



小程序賽事簡介會及賽前培訓 教師工作坊 (初階班) 第一節

9-7-2026

保良局第一張永慶中學
鄭文健老師



Wetech 



微 信 創 新 實 驗 室

小程序全球 創新挑戰賽

「心繫家國」—編碼尋根·文化傳承



Po Leung Kuk No.1 W. H. Cheung College

保良局第一張永慶中學

- It was the first school established by Po Leung Kuk in 1971, and was named Po Leung Kuk C.F.A. No. 1 College (保良局總理聯誼會第一中學)
- It located at Po Kong Village Road, Tsz Wan Shan, Wong Tai Sin



Hugo Cheng Man Kin 鄭文健老師

- Po Leung Kuk No.1 WH Cheung College
Head of IT Committee , Head of ICT Department,
Head of Technology Education (KLA)
- Association of I.T Leaders in Education
Associate Executive Committee Members
- Education Bureau (IT in Education Section)
Seconded teacher (2014-2017)
- Weixin Mini Program Global Innovation Challenge Excellent Tutor
(2025, 2026)
- Outstanding IT Teacher Award 2026
- Excellence in AI and Innovative Technology Education
Teaching Award 2025
- HKIEA 2025 Outstanding Teacher Award
- 51st International Exhibition of Inventions of Geneva, Gold Award
- Hong Kong Science Fair 2025 , Gold Award
- The Hong Kong ICT Awards 2025, Silver Award

Email: mk2.cheng@plkno1.edu.hk



By Hugo Cheng

全球賽事數據報告-共誕生7430個小程序，英香港同學最熱衷開發小程序

4 年以來

學校、老師、學生相繼卷入這股浪潮

287002 個小程序項目在這裡創建

🏫 學校 7954 所 👤 老師 17830 位 👤 學生 87477 名

全球青少年，都玩起小程序了



誰在卷 >>

小程序主理人圖鑑



「別人家的孩子」小程序版

年齡最小的兩位獲獎選手：

5 歲 來自香港百卉九江書院

小程序作品：

《Food that Connects Us》

《Race car + 數學》

別問 1+1
他給你一個小程序

年齡最小的兩位獲獎學生
來自香港百卉九江書院 🏆

四年，賽事誕生7430個小程序作品

第一屆 490
第二屆 540
第三屆 1500
第四屆 4900

手感火熱
平均一天誕生5個

在哪卷 >>

小少年做小程序世界是大舞台



哪里的小孩哥/姐最热衷搞小程序？



港澳地区和首都，包揽前三

四屆賽事回顧-香港學校大放異彩

在香港特區政府教育局的指導和大力支持下，近三屆香港學校參賽及獲獎成果激增

第一屆+第二屆 🏆

參賽隊伍數量

52 支

獲獎作品數量

3 個

最高獲二等獎

第三屆 🏆

參賽隊伍數量

181 支

獲獎作品數量

52 個

第四屆 🏆

參賽隊伍數量

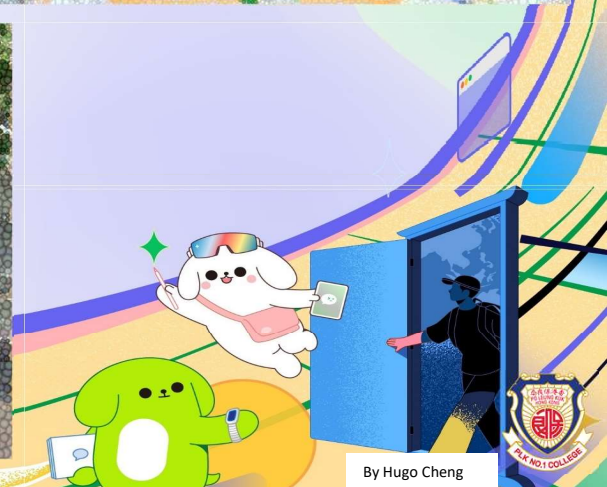
544 支

參賽數量是去年的三倍，
7支隊伍入圍總決賽競技

獲獎作品數量

165 個

Weixin Mini Program Global Innovation Challenge



AI化身私人導師 《聲聲慢》小程序助聽障人士糾正發音

大公報記者 郭若溪深圳報道



總決賽評委之

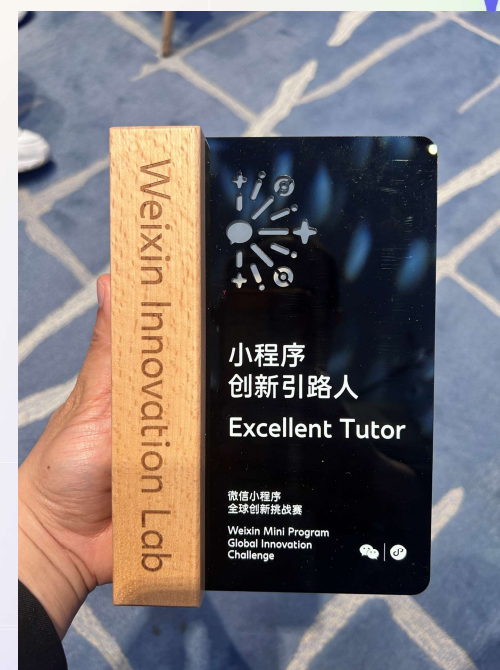
的關注。和惠，記

健老師表示，微信不
於任何平台的手機

，極大地減少了學校在

By Hugo Cheng

Weixin Mini Program Global Innovation Challenge



Weixin Mini Program Global Innovation Summer School

- August 2024, University of Cambridge
- August 2025, University of Oxford

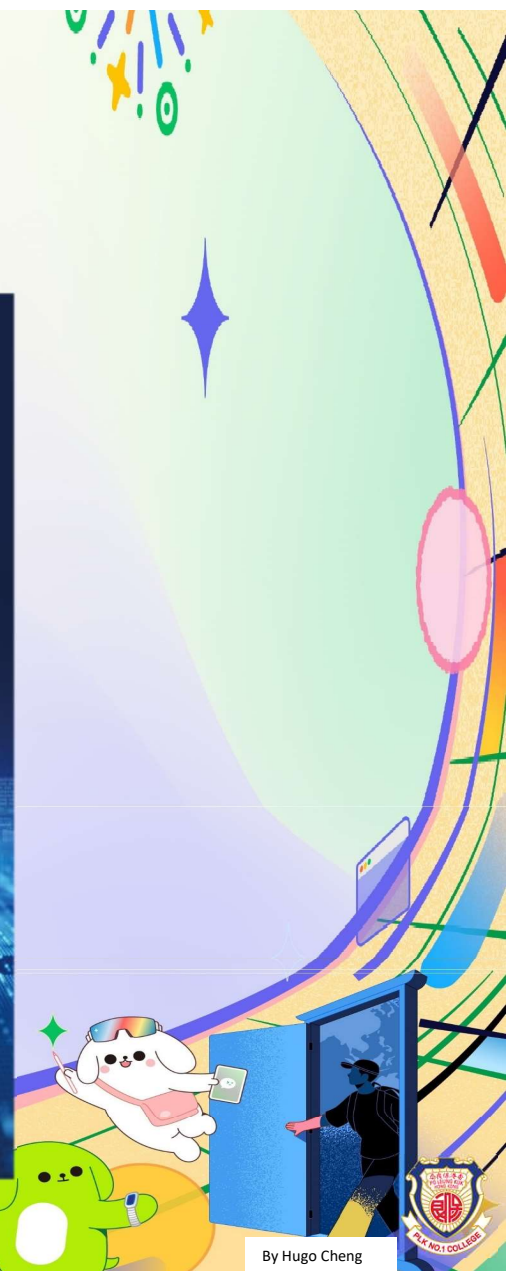


微信公開課PRO 2026



By Hugo Cheng

微信公開課PRO 2026



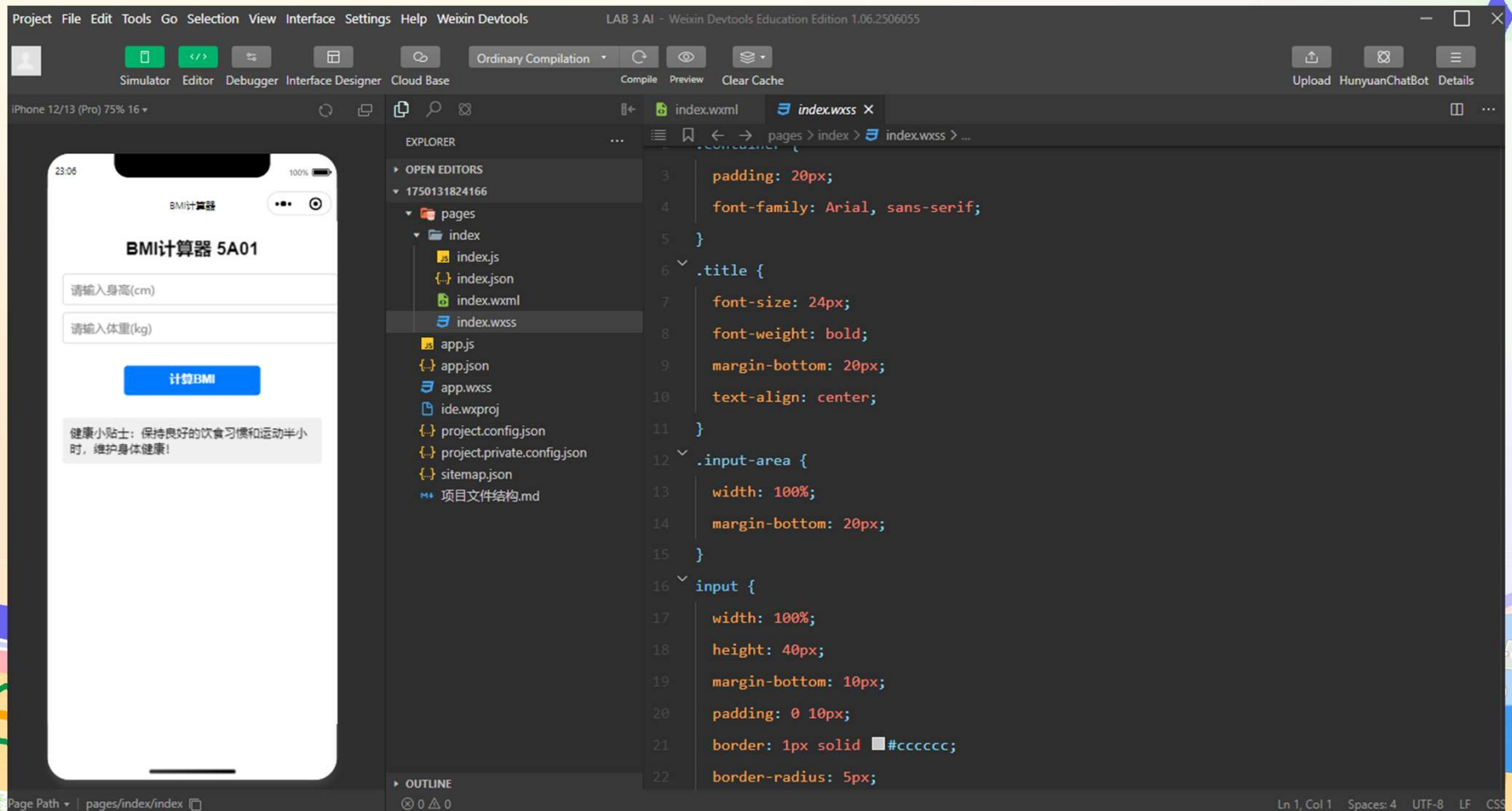
Common Mobile App Development Platforms in Hong Kong Education

Platform Name	Development Environment	Key Features
App Inventor (MIT)	Block-based programming	Ideal for secondary students to learn mobile app development
Xcode (Apple)	Swift / Objective-C	Professional-level iOS app development tool
Weixin Mini Program Platform	WXML / WXSS / JavaScript	Low entry barrier, AI integration, suitable for educational applications

Comparison: Weixin Mini Program vs App Inventor

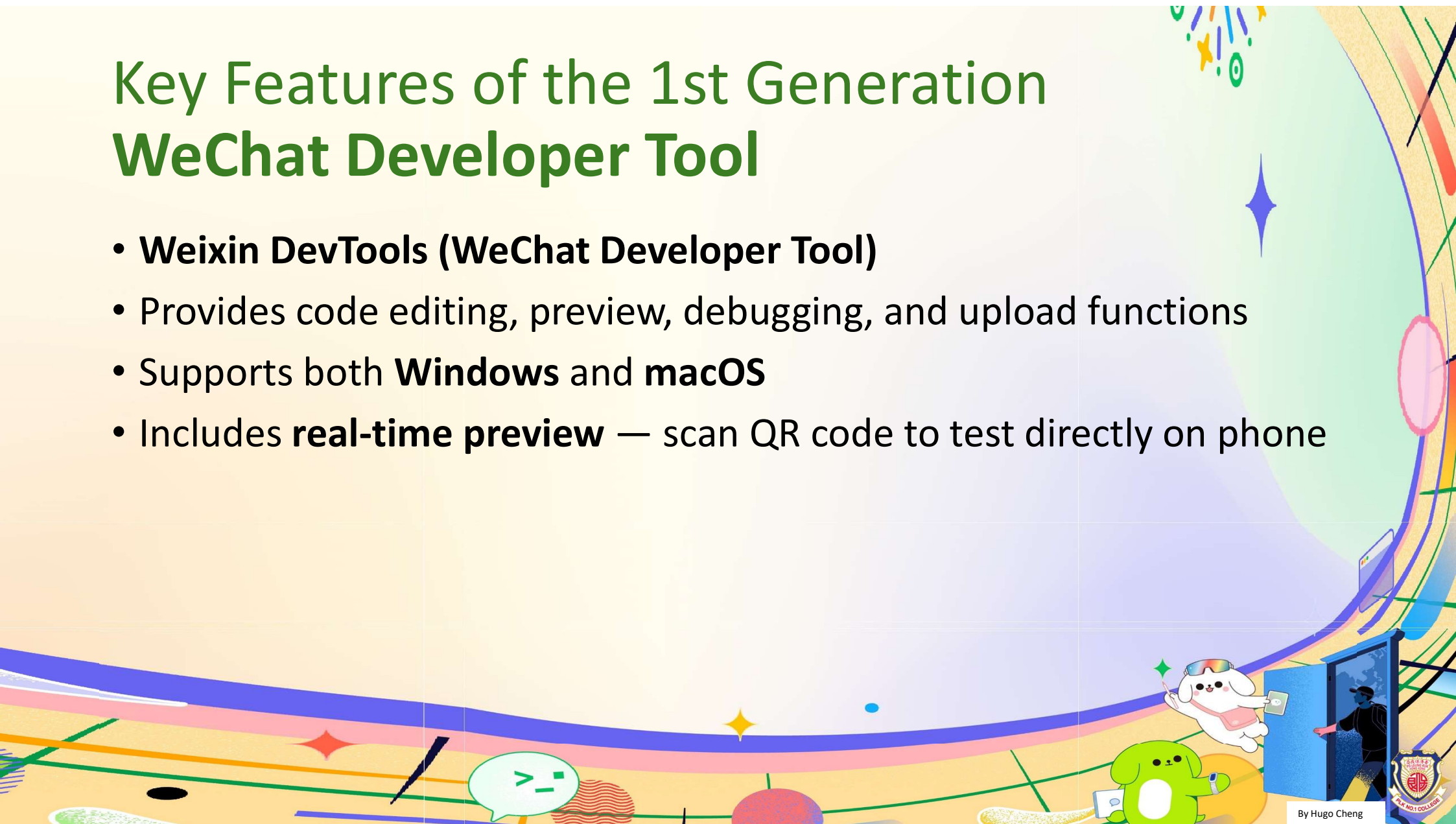
Aspect	Weixin Mini Program	App Inventor (MIT)
Programming Method	WXML / WXSS / JavaScript + Cloud Functions	Block-based drag-and-drop interface
AI Integration	Built-in AI Assistant and Tencent Hunyuan Model support	No native AI features
Deployment	Runs instantly inside WeChat — no installation required	Compiles into Android apps (installation required)
Learning Curve	Moderate — simple syntax with professional workflow	Very easy for beginners to start
Educational Value	Integrates AI tools and real-world deployment — enables students to create usable products	Focuses on computational thinking and coding logic
Best For	AI & STEAM projects with real-world impact	Introductory programming and prototype learning

Key Features of the 1st Generation WeChat Developer Tool

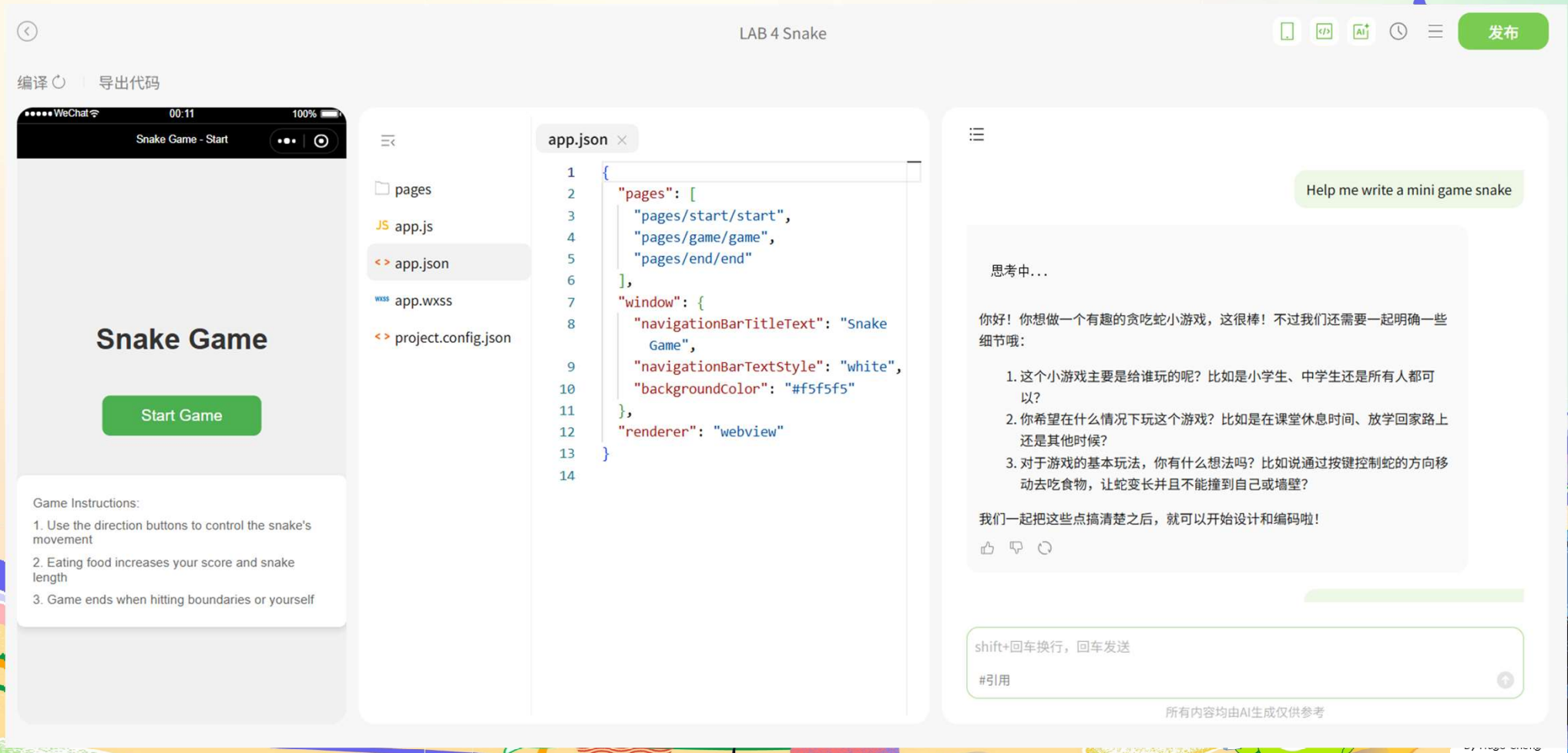


Key Features of the 1st Generation WeChat Developer Tool

- **Weixin DevTools (WeChat Developer Tool)**
- Provides code editing, preview, debugging, and upload functions
- Supports both **Windows** and **macOS**
- Includes **real-time preview** — scan QR code to test directly on phone



Weixin Mini Program Platform — New Web Version



Feature New Web Version

What's New



Browser-Based IDE & Console

- Build, preview, and publish projects **directly in the browser**
- No installation required — works on any computer



Web-AI Integration

- **Conversational code generation** powered by **Tencent Hunyuan AI**
- Supports smart debugging, UI generation



Resource Library

- Expanded with **more text, image, and multimedia assets**
- Teachers can easily create visually engaging, localized materials



Course Center

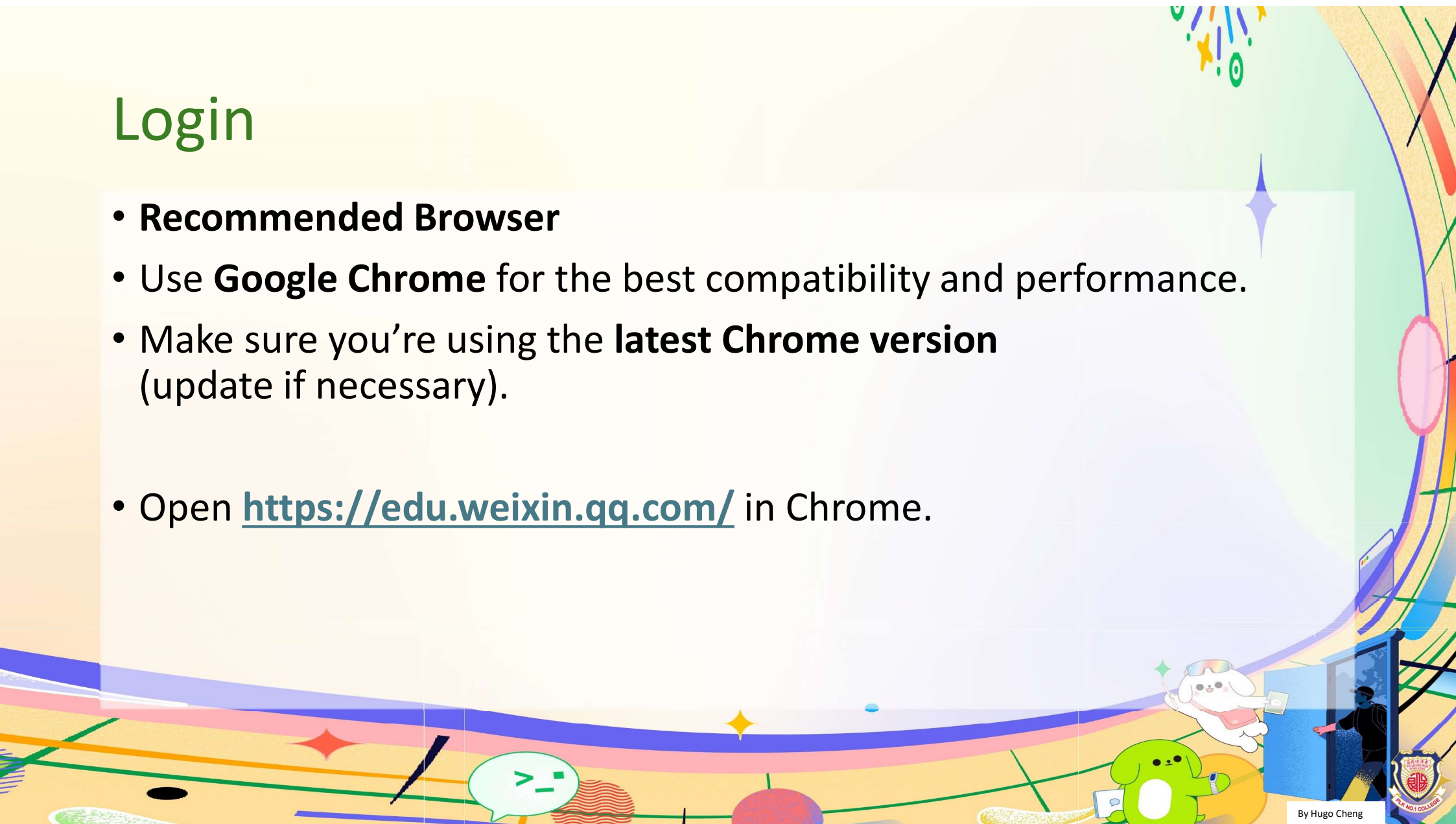
- Provides **rich teaching materials** and **sample courses** for reference

進階班 (需要的軟件)

- AI 代碼生成工具 (Trae) (二選一)
- <https://www.trae.ai/>
- AI 代碼生成工具 (CodeBuddy) (二選一)
- <https://www.codebuddy.ai/>
- 微信小程序開發平台 (安裝版)
- <https://edu.weixin.qq.com/>

Login

- **Recommended Browser**
- Use **Google Chrome** for the best compatibility and performance.
- Make sure you're using the **latest Chrome version** (update if necessary).
- Open <https://edu.weixin.qq.com/> in Chrome.



Login

Open <https://edu.weixin.qq.com/> in Chrome.

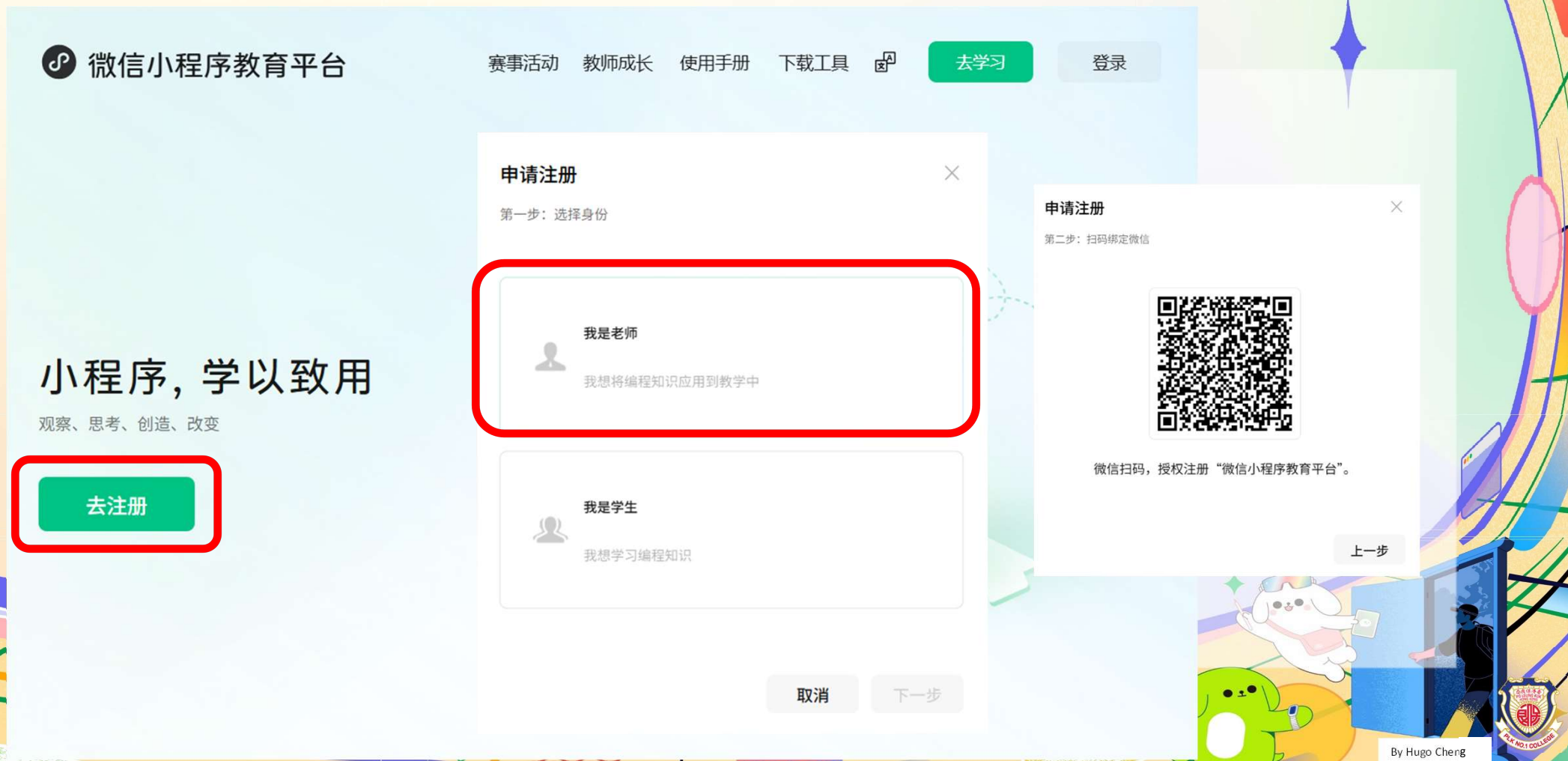


Test account

Login:

Password:

Create Account



Course Center 課程中心



课程中心

我的项目

我的小程序

素材库

账号管理

小程序管理

课程中心



代码编程 01: 认识组件、页面、数据
掌握小程序开发基础，完成个人空间小程序
6节课 | 1040人已学



代码编程 02: 认识 wxml/wxss/js 文件
通过三节课的项目快速了解小程序代码编程的...
3节课 | 301人已学



AI 编程 01: 五个趣味案例带你入门
引导学习者掌握微信小程序开发基础，同时学...
6节课 | 234人已学

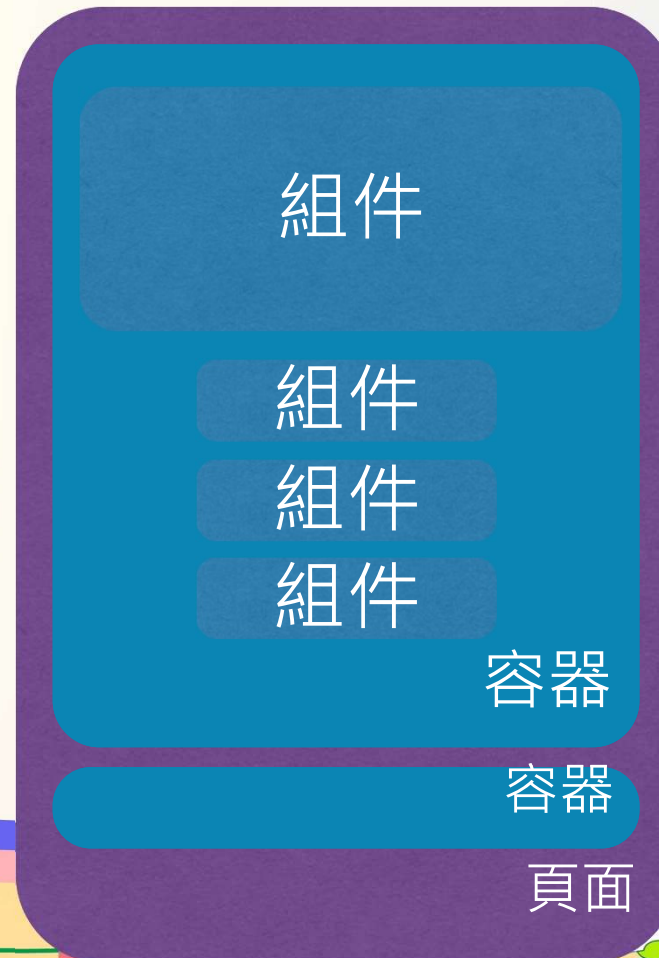
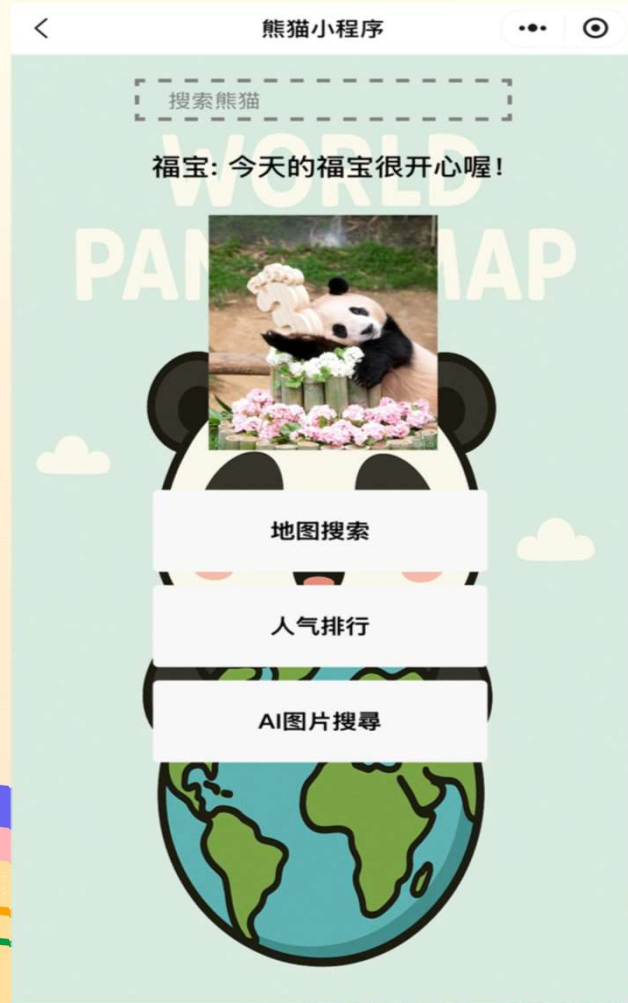
信息科技



信息学: 用算法打造小程序工具
本单元以“算法”为核心概念，依托微信小程...
4节课 | 236人已学

By Hugo Cheng

Conceptual structure of a Weixin Mini Program



Conceptual structure of a Weixin Mini Program

Layer

Description

Page (頁面 / Page)

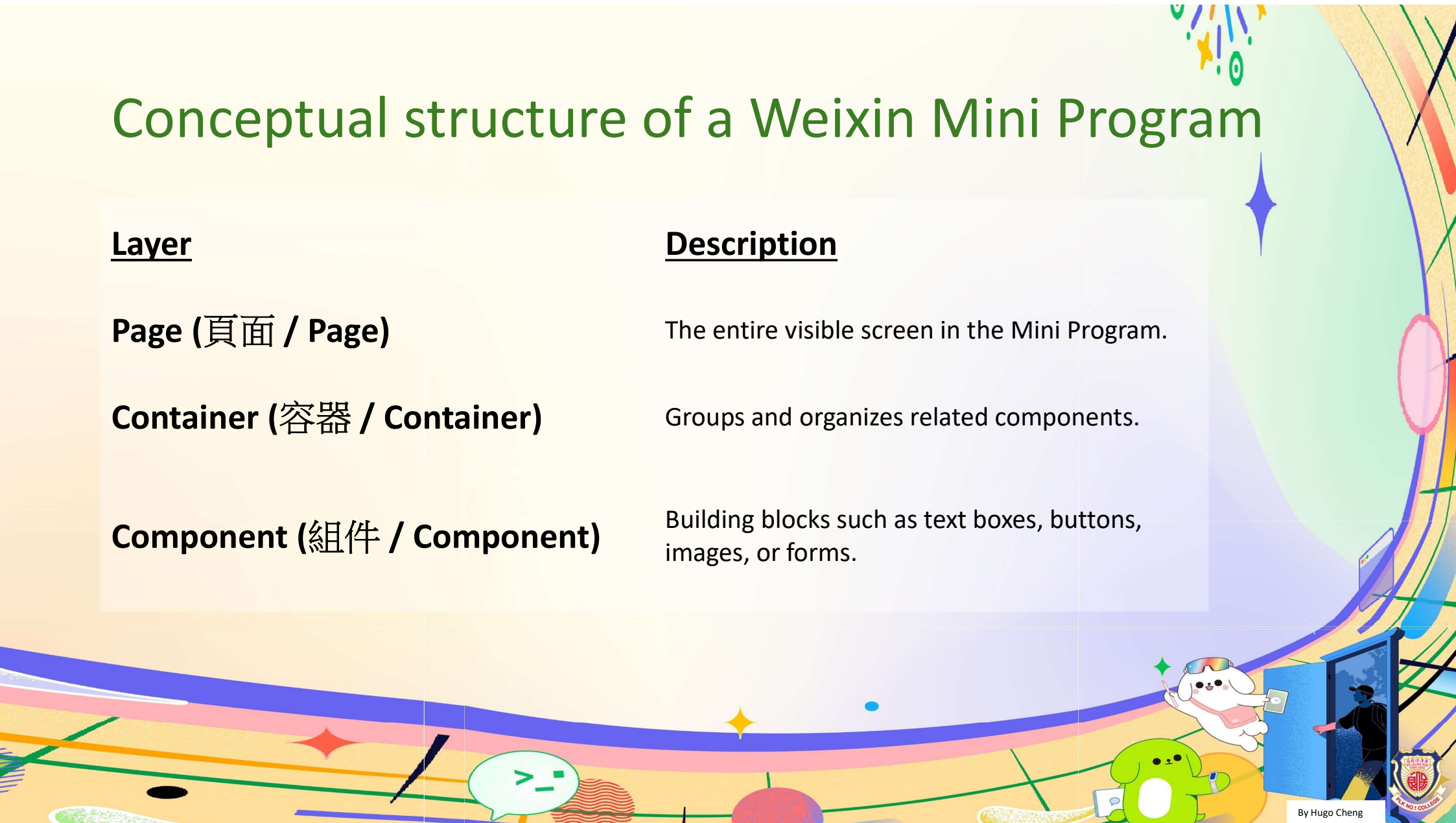
The entire visible screen in the Mini Program.

Container (容器 / Container)

Groups and organizes related components.

Component (組件 / Component)

Building blocks such as text boxes, buttons, images, or forms.



Programming Languages for Weixin Mini

Language / File Type

WXML (Weixin Markup Language)

WXSS (Weixin Style Sheets)

JavaScript

JSON (Configuration Files)

Purpose

Defines the **structure** of the page
(similar to HTML).

Controls the **layout and visual style**
(similar to CSS).

Handles **logic, interaction, and data processing**.

Specifies **page routing, settings, and component behavior**.

WXML (Weixin Markup Language)



pH Liquid Finder

Discover common liquids based on their pH values

Enter pH Value:

e.g., 4

Find Liquids



pages

index

JS index.js

<> index.json

<> index.wxml

WXSS index.wxss

JS app.js

<> app.json

WXSS app.wxss

<> project.config.json

app.json ×

index.wxml ×

```
1 <view class="container">
2   <view class="header">
3     <text class="title">pH Liquid Finder</text>
4     <text class="subtitle">Discover common liquids based on their pH
      values</text>
5   </view>
6
7   <view class="input-section">
8     <text class="label">Enter pH Value:</text>
9     <input class="ph-input" type="digit" placeholder="e.g., 4"
      bindinput="onInput" value="{{phValue}}" />
10    <button class="search-btn" bindtap="onSearch">Find Liquids</button>
11  </view>
12
13  <view class="results-section" wx:if="{{liquids.length > 0}}">
14    <text class="results-title">Liquids with pH {{phValue}}:</text>
15    <view class="liquid-list">
16      <view class="liquid-item" wx:for="{{liquids}}" wx:key="name">
17        <text class="liquid-name">{{item.name}}</text>
18        <text class="liquid-property {{item.property}}">{{item.property}}
          </text>
19        <text class="liquid-description">{{item.description}}</text>
20      </view>
21    </view>
22  </view>
```



WXSS (Weixin Style Sheets)

编译 导出代码



pH Liquid Finder

Discover common liquids based on their pH values

Enter pH Value:

0.00

Find Liquids



pages

index

JS index.js

<> index.json

<> index.wxml

WXSS index.wxss

JS app.js

<> app.json

WXSS app.wxss

<> project.config.json

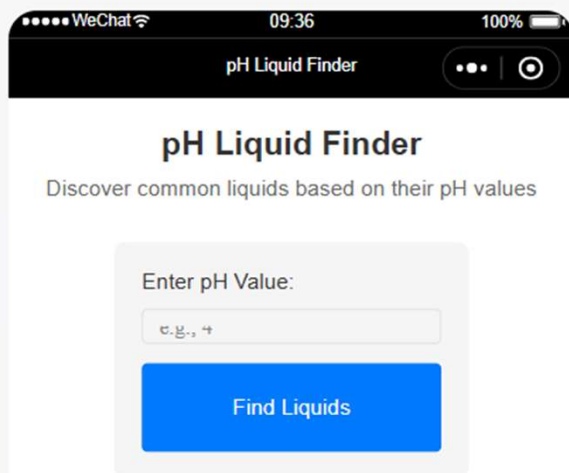
index.wxss

index.wxml

```
46 | box-sizing: border-box;
47 | }
48 |
49 | .search-btn {
50 |   width: 100%;
51 |   background-color: #007aff;
52 |   color: white;
53 |   border: none;
54 |   padding: 12px;
55 |   font-size: 16px;
56 |   border-radius: 4px;
57 |   cursor: pointer;
58 | }
59 |
60 | .search-btn:active {
61 |   background-color: #0056b3;
62 | }
63 |
64 | .results-section {
65 |   margin-top: 20px;
66 | }
67 |
68 | .results-title {
69 |   font-size: 18px;
70 |   font-weight: bold;
```

JavaScript

编译  | 导出代码



```
index.wxss × index.wxml × index.json × index.js ×
14 },
15
16 // 处理搜索按钮点击
17 onSearch: function() {
18   const ph = parseFloat(this.data.phValue);
19
20   // 检查输入是否为空或无效
21   if (isNaN(ph)) {
22     this.setData({
23       liquids: [],
24       showNoResults: true
25     });
26     return;
27   }
28
29   // 获取匹配的液体
30   const matchingLiquids = this.getLiquidsByPH(ph);
31
32   // 更新页面数据
33   this.setData({
34     liquids: matchingLiquids,
35     showNoResults: matchingLiquids.length === 0
36   });
37 },
38
```



By Hugo Cheng

JSON (Configuration Files)

The image displays a WeChat mini-program interface for a 'pH Value Finder' and its associated JSON configuration files.

Mini-program Interface:

- Header:** 'pH Value Finder' with a subtitle 'Discover the acidity or alkalinity of common liquids'.
- Input:** A text field labeled 'Enter pH Value (1-14):' with a 'Find pH' button.
- Reference:** A 'Complete pH Scale Reference' section showing a scale from 1 to 5 with corresponding colors and examples: 1 (Stomach Acid), 2 (Lemon Juice), 3 (Apple Juice), 4 (Acid Rain), and 5 (Coffee).
- Categories:** A section for 'pH Categories' with three color-coded boxes: Acidic (1-6), Neutral (7), and Basic/Alkaline (8-14).

JSON Configuration Files:

- app.json:** The main configuration file, showing the 'pages' array with 'pages/phquery/phquery' and the 'window' configuration for the navigation bar.
- index.json:** The configuration file for the index page.
- phquery.json:** The configuration file for the phquery page.

```
1 {
2   "pages": [
3     "pages/phquery/phquery"
4   ],
5   "window": {
6     "navigationBarTitleText": "pH Value Finder",
7     "navigationBarTextStyle": "black",
8     "navigationBarBackgroundColor": "#0000ff"
9   },
10  "renderer": "webview"
11 }
```

By Hugo Cheng

Teacher Development · Official Training · Documentation

- <https://edu.weixin.qq.com/teacherGrowUp>
- Teacher Development · Official Training · Documentation
- 「教師成長 → 官方培訓 → 文檔」



小程序配置

全局配置

页面配置

场景值

框架接口

WXML 语法参考

介绍

数据绑定

列表渲染

条件渲染

模板

引用

WXS 语法参考

WXML 语法参考 / 数据绑定

数据绑定

WXML 中的动态数据均来自对应 Page 的 data。

简单绑定

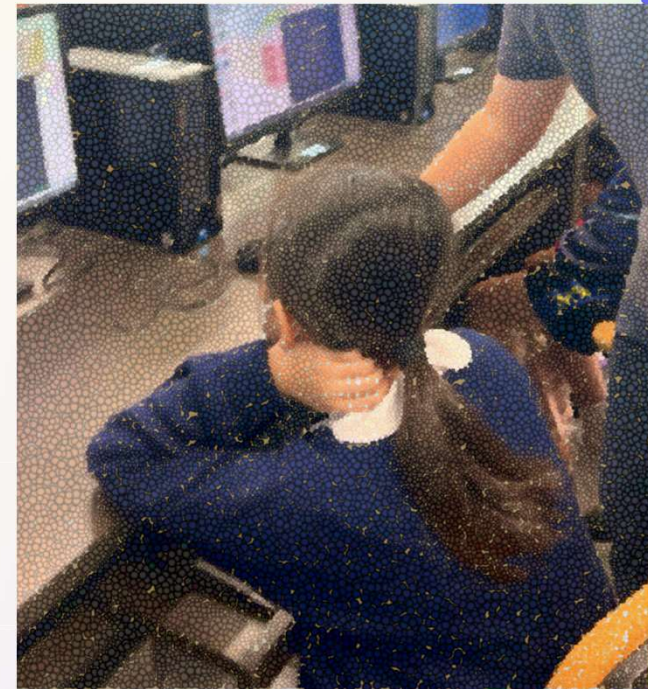
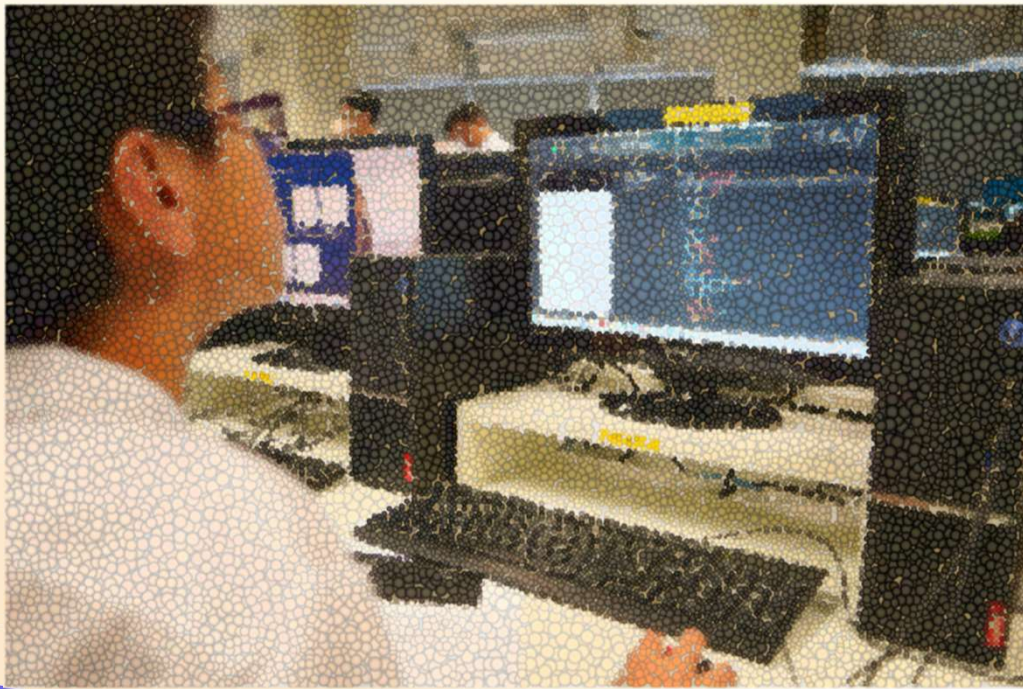
数据绑定使用 Mustache 语法（双大括号）将变量包起来，可以作用于：

内容

```
<view> {{ message }} </view>
```

```
Page({
  data: {
    message: 'Hello MINA!'
  }
})
```

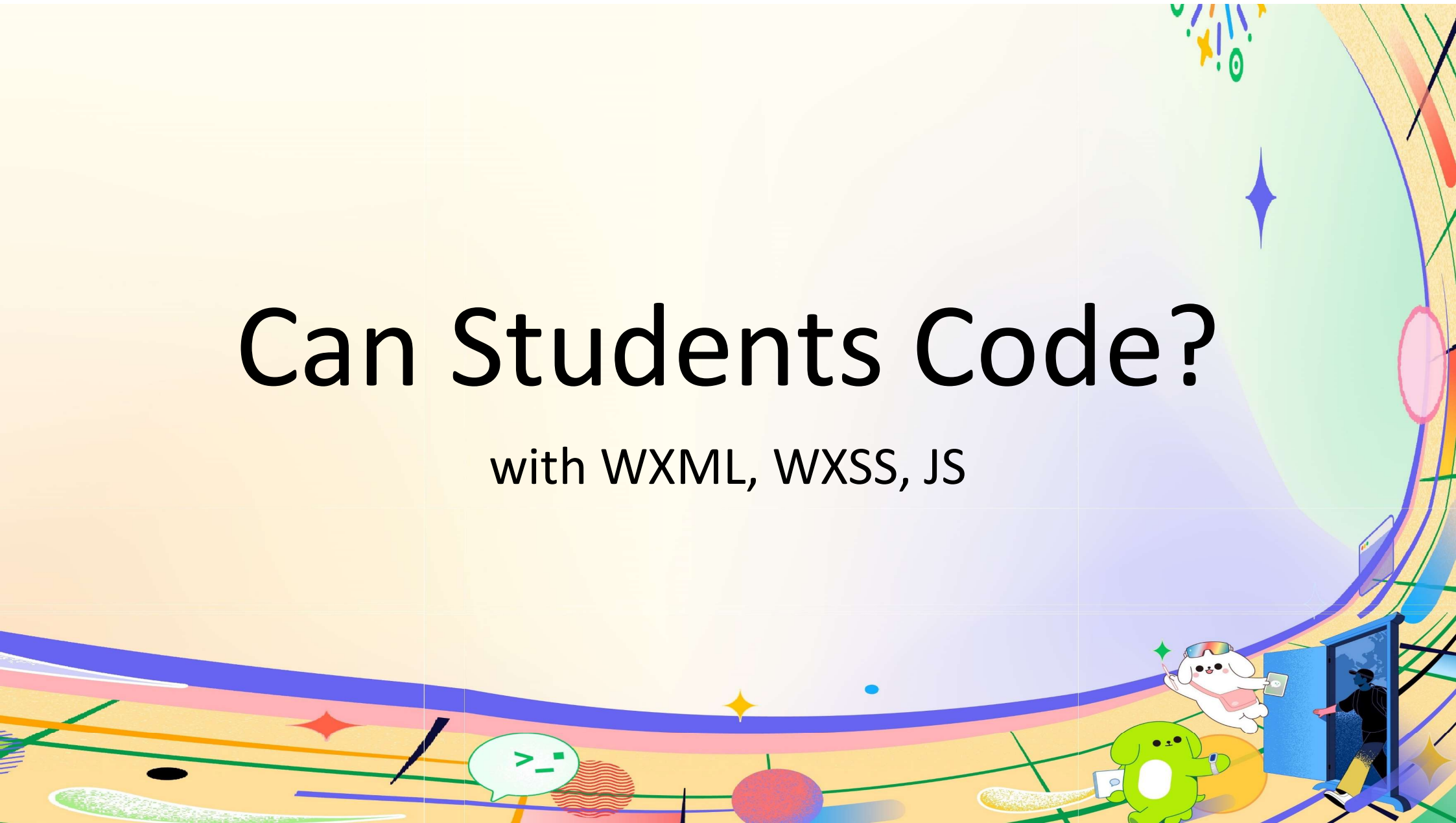
Coding with Mini Programs



By Hugo Cheng

Can Students Code?

with WXML, WXSS, JS



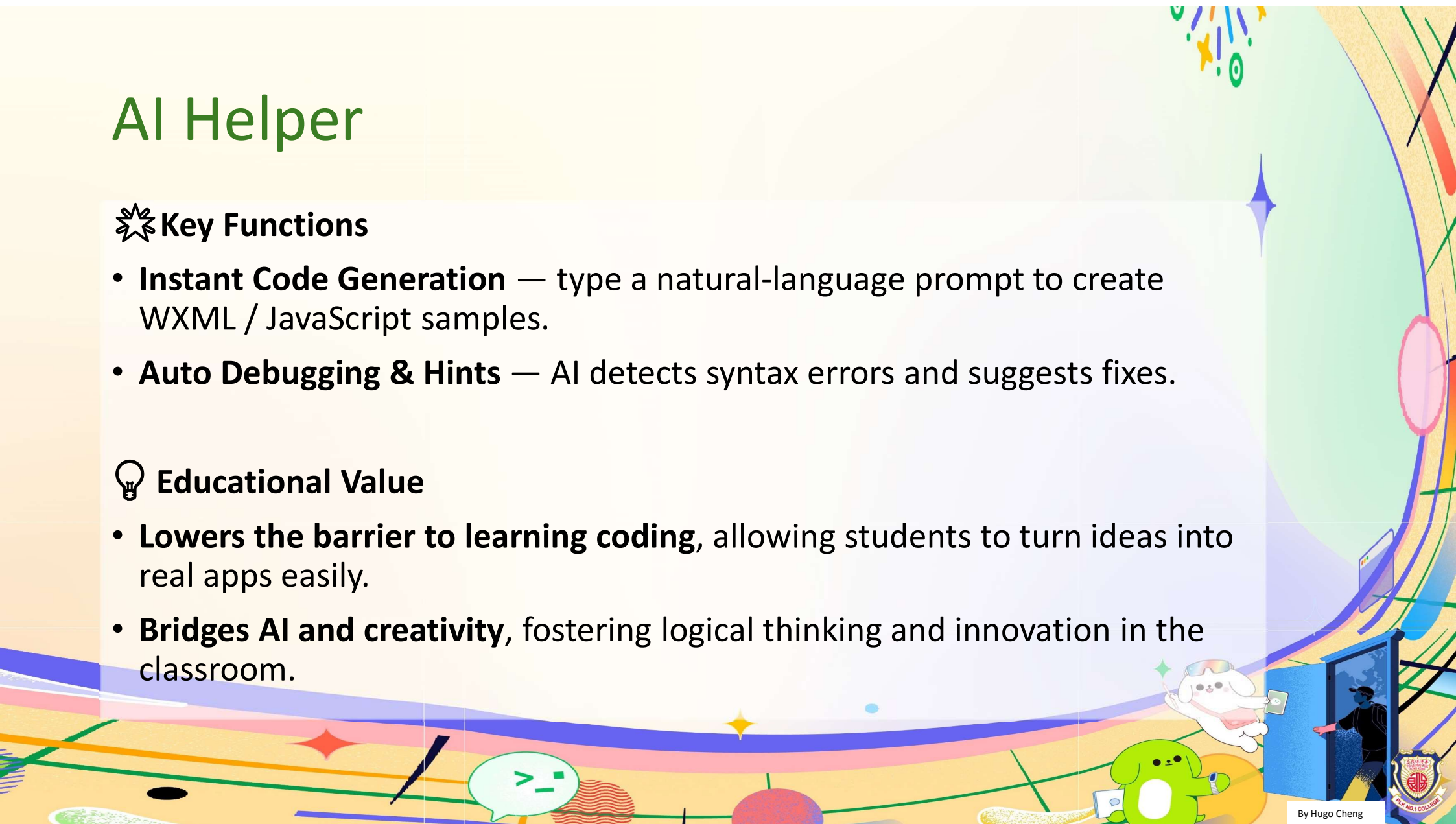
AI Helper

✨ Key Functions

- **Instant Code Generation** — type a natural-language prompt to create WXML / JavaScript samples.
- **Auto Debugging & Hints** — AI detects syntax errors and suggests fixes.

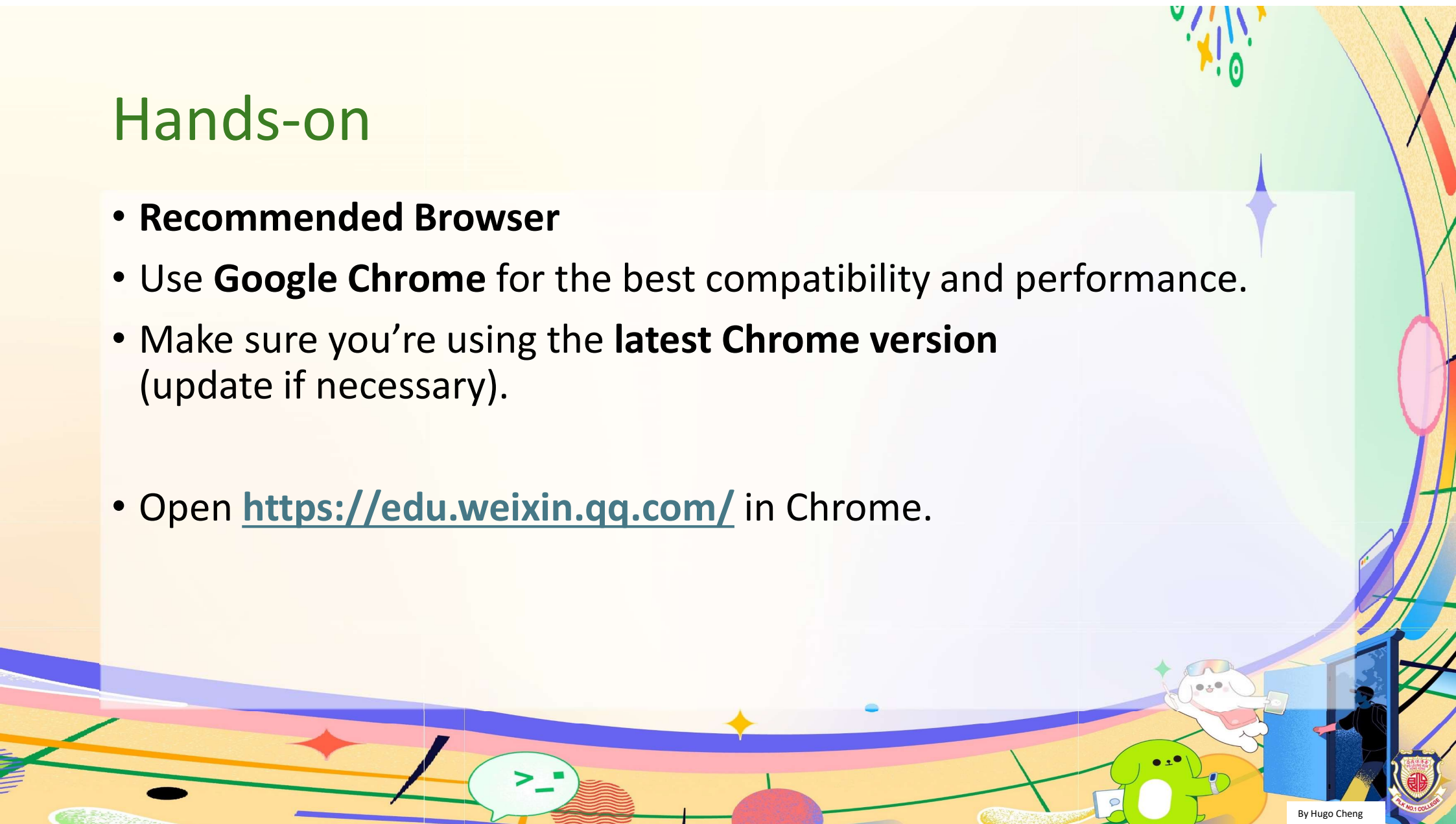
💡 Educational Value

- **Lowers the barrier to learning coding**, allowing students to turn ideas into real apps easily.
- **Bridges AI and creativity**, fostering logical thinking and innovation in the classroom.



Hands-on

- **Recommended Browser**
- Use **Google Chrome** for the best compatibility and performance.
- Make sure you're using the **latest Chrome version** (update if necessary).
- Open <https://edu.weixin.qq.com/> in Chrome.



Login

Open <https://edu.weixin.qq.com/> in Chrome.



Test account

Login:

Password:

Weixin Mini Program — Web Console Menu



中文 (Chinese)

课程中心

我的项目

我的小程序

素材库

账号管理

小程序管理

English Translation

Course Center

My Projects

My Mini Programs

Resource Library

Account Management

Mini Program Management

Mini Program Management (Teacher only)

全部 已发布 未发布 已停用 Q 搜索小程序

PLKNO1-3E20(教育版) App ID: [REDACTED] 开发权限: PLKNO1_3E20 状态: 已发布 更新 体验	3E-21(教育版) 开发权限: PLKNO1_3E21 状态: 已发布 更新 体验	PLKNO1-3E22(教育版) 开发权限: PLKNO1_3E22 状态: 已发布 更新 体验
PLKNO1-3E23(教育版) App ID: [REDACTED] 开发权限: PLKNO1_3E23 状态: 已发布 更新 体验	PLKNO1-教育小程序-320 开发权限: PLKNO1-学生-362 状态: 未发布 发布	PLKNO1-教育小程序-321 开发权限: PLKNO1-学生-363 状态: 未发布 发布

< 1 ... 25 26 27 28 29 ... 31 > 跳至 27 / 31 页

PLKNO1-2A00(教育版) 已发布

App ID: [REDACTED]

开发权限 体验权限 设置

- ☒ 管理员
- ☒ 拥有开发权限的学生
- ☒ 外部微信用户 单日访问上限为500人

My Mini Programs

全部 已发布 未发布 已停用 Q 搜索小程序

PLKNO1-2A00(教育版)

App ID: [REDACTED]

开发权限:

状态: 已发布

[更新](#) [体验](#)

PLKNO1-2A00(教育版) 已发布

App ID: [REDACTED]

开发权限 体验权限 设置

- ☒ 管理员
- ☒ 拥有开发权限的学生
- ☒ 外部微信用户 单日访问上限为500人

PLKNO1-2A00(教育版) 已发布 停用 更新 下线 体验

App ID: [REDACTED]

开发权限 体验权限 设置

小程序名称

PLKNO1-2A00(教育版)

 修改

小程序头像

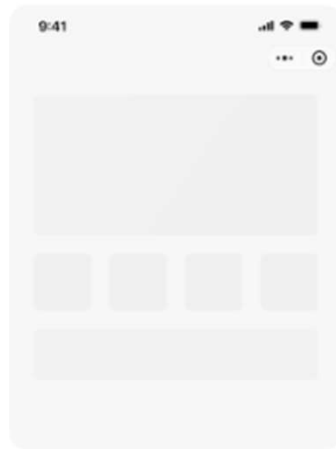
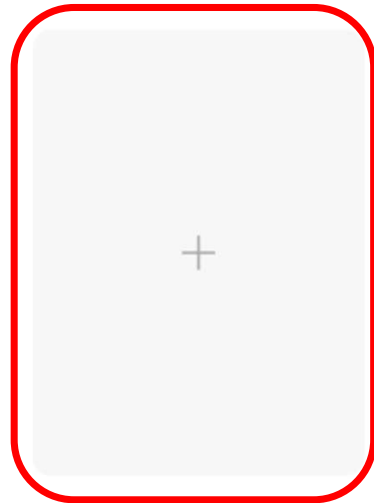


 修改

My Projects

我的项目

搜索



LAB1 _ my name and my ...
最后更新: 12:54

创建项目

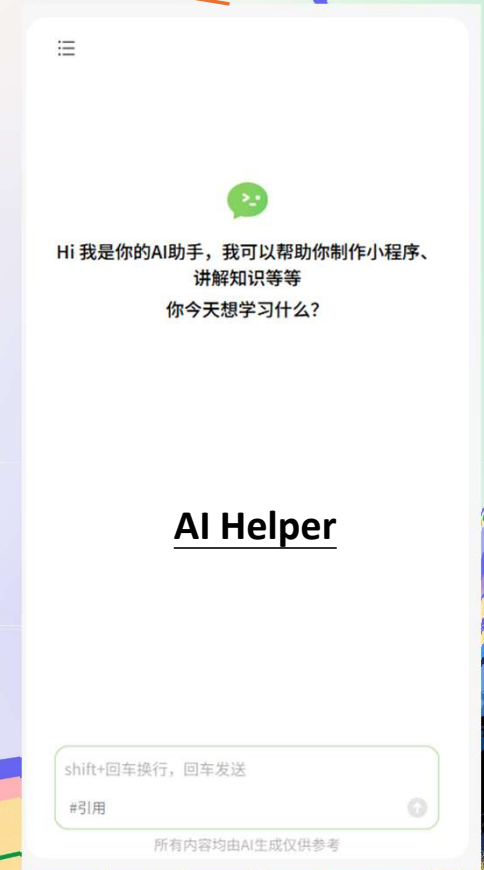
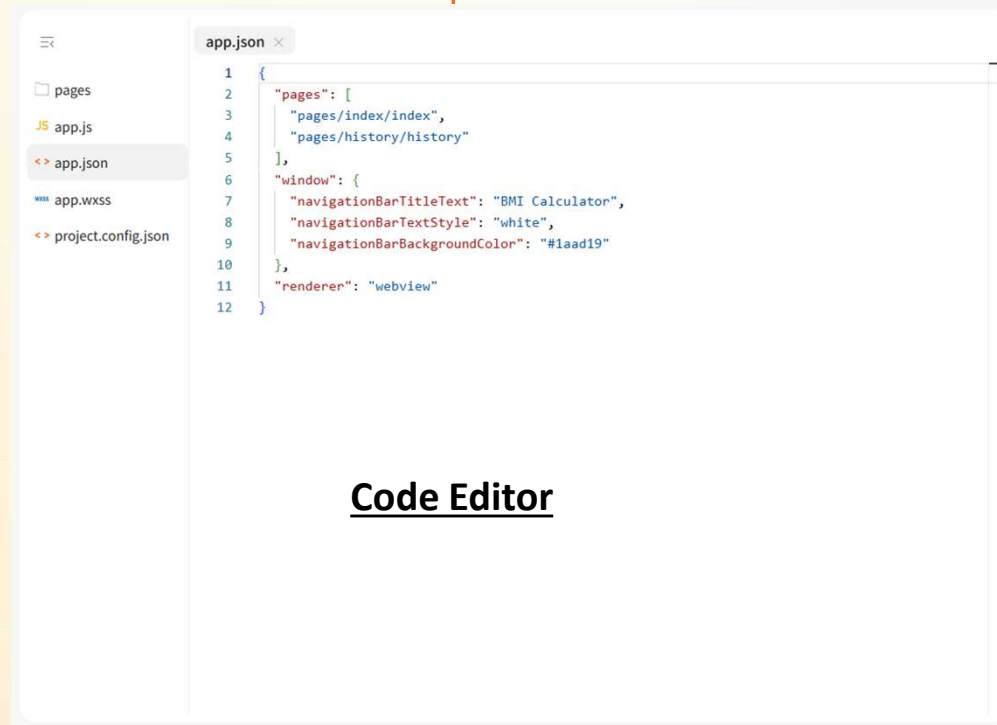
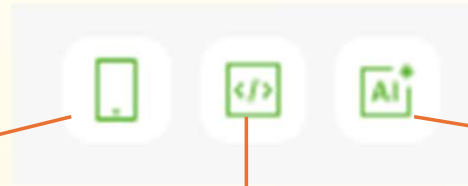
项目名称

LAB 1 AI BMII

AppID

PLKNO1-2A00(教育版)

My Projects



Vibe Coding

- Vibe Coding is the art of shaping the *emotion, atmosphere, and personality* of an AI or digital creation through carefully chosen **words, style, and instructions** in your **prompt or code**.
- Unlike traditional **AI-assisted coding**, the human developer avoids examination of the code, accepts AI-suggested completions **without human review**.

Prompt Engineering

- Prompt engineering is the skill of **designing clear and specific instructions** so that the AI produces accurate and useful results.

🔄 Good Prompts = Better Results

✗ Weak Prompt

“Make a quiz.”

“Write code.”

✓ Improved Prompt

“Create a 3-question multiple-choice quiz about music theory, with feedback for each answer.”

“Generate a Mini Program page that calculates BMI, with input fields for height (cm) and weight (kg).”

Prompt Engineering

- Prompt engineering is the skill of **designing clear and specific instructions** so that the AI produces accurate and useful results.

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“Make a quiz.”

“Write code.”

✓ Improved Prompt

“Create a 3-question multiple-choice quiz about music theory, with feedback for each answer.”

“Generate a Mini Program page that calculates BMI, with input fields for height (cm) and weight (kg).”

Prompt Engineering

Goal: Create a five-page WeChat Mini-Program introducing the *Chongyang Festival* (Double Ninth Festival) with educational, interactive, and creative elements.

Target users: Hong Kong secondary school students learning Chinese culture and coding.

Style: Simple, colourful, and child-friendly interface with clear Chinese and English text.

🧠 Structure Requirements

1. "Page 1 – Festival Info"

- "Display a title: "重陽節 Chongyang Festival (Double Ninth Festival)""
- "Include sections for:"
 - "Date: the 9th day of the 9th lunar month"
 - "History: originated from ancient Taoist culture; "double yang" symbolises longevity"
 - "Activities: mountain climbing, chrysanthemum viewing, drinking chrysanthemum wine, eating Chongyang cake"
 - "Moral theme: respect and care for the elderly"
- "Use one image (e.g. chrysanthemum or mountain view)."

2. "Page 2 – Quiz (3 Multiple-Choice Questions)"

- "Question 1: When is the Chongyang Festival celebrated in the lunar calendar?
Options: A) Aug 15 B) Sep 9 C) Oct 1 D) Jul 7
→ Correct answer: B"
- "Question 2: Which activity is traditional on this day?
Options: A) Eat mooncakes B) Climb mountains C) Burn incense D) Watch fireworks
→ Correct answer: B"
- "Question 3: Which flower symbolises longevity during the festival?
Options: A) Rose B) Chrysanthemum C) Orchid D) Lily
→ Correct answer: B"
- "Show instant feedback (✓/✗) and final score."

3. "Page 3 – Mini-Game: "Climb to the Top!""

- "Simple click-to-climb or swipe game where the player moves a small figure upward on a mountain."
- "Each successful climb step = +1 score."
- "Game ends after 20 seconds; show "Happy Chongyang!" message."

4. "Page 4 – Creative Page"

- "Allow users to input or draw something artistic related to Chongyang (e.g. a poem, pixel art of chrysanthemums, or wishes for elders)."
- "Provide a text box: "Write your blessing message for grandparents here!""
- "Encourage creativity and expression."

5. "Page 5 – Leaderboard"

- "Display usernames and total scores (combined quiz + game)."
- "Example display: Rank, Name, Score."
- "Encourage friendly competition."

LAB1 AI BMI

- Prompt:

Generate a Mini Program page that calculates BMI, with input fields for height (cm) and weight (kg).

Use English interface.

Generate a Mini Program page that calculates BMI, with input fields for height (cm) and weight (kg).

思考中...

明白了！我们将创建一个简单的BMI计算器小程序页面，具备以下基本功能：

1. 输入框：分别填写身高（厘米）和体重（千克）；
2. 按钮：点击后计算 BMI 值；
3. 显示区域：展示计算得出的 BMI 数值及其所属的健康范围（如偏瘦/正常/超重等）。

我们现在就进入开发阶段。

开发方案定制

根据讨论结果，开发一个 BMI 计算器微信小程序页面：

1. 页面包含两个输入框：身高（cm）和体重（kg）；
2. 包含一个“计算”按钮；
3. 点击按钮后，在下方显示 BMI 值及对应健康类别（偏瘦、正常、overweight、肥胖等）；

思考中...

列出文件(.)

```
<path>.</path>
```

My first mini program

- Compile



Publish Mini program

发布

发布小程序

小程序

PLKNO1-2A00(教育版)

版本号

1.0.1

开发者

cmk ×

指导老师

Hugosir × |

取消

发布

扫码体验 PLKNO1-2A00(教育版)

开发者 cmk

By Hugo Cheng

LAB1 AI BMI (Result)

- Improved Prompt:

Generate a Mini Program page that calculates BMI from height (cm) and weight (kg).

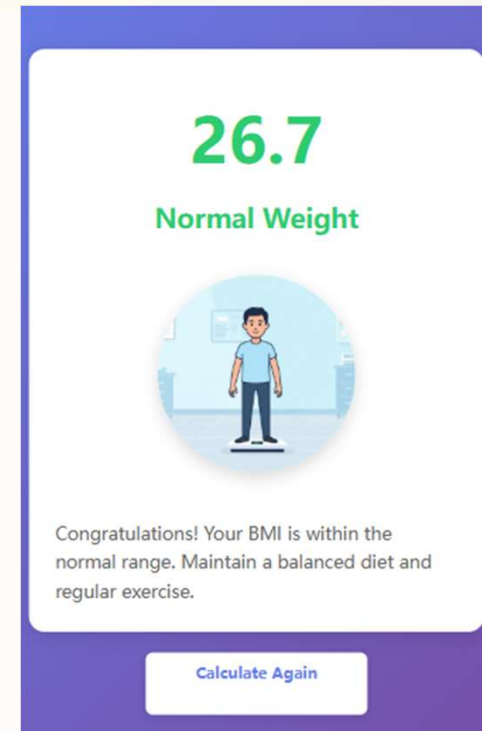
Underweight (below 18.5)

Healthy Weight (18.5–24.9)

Overweight (30.0 or greater)

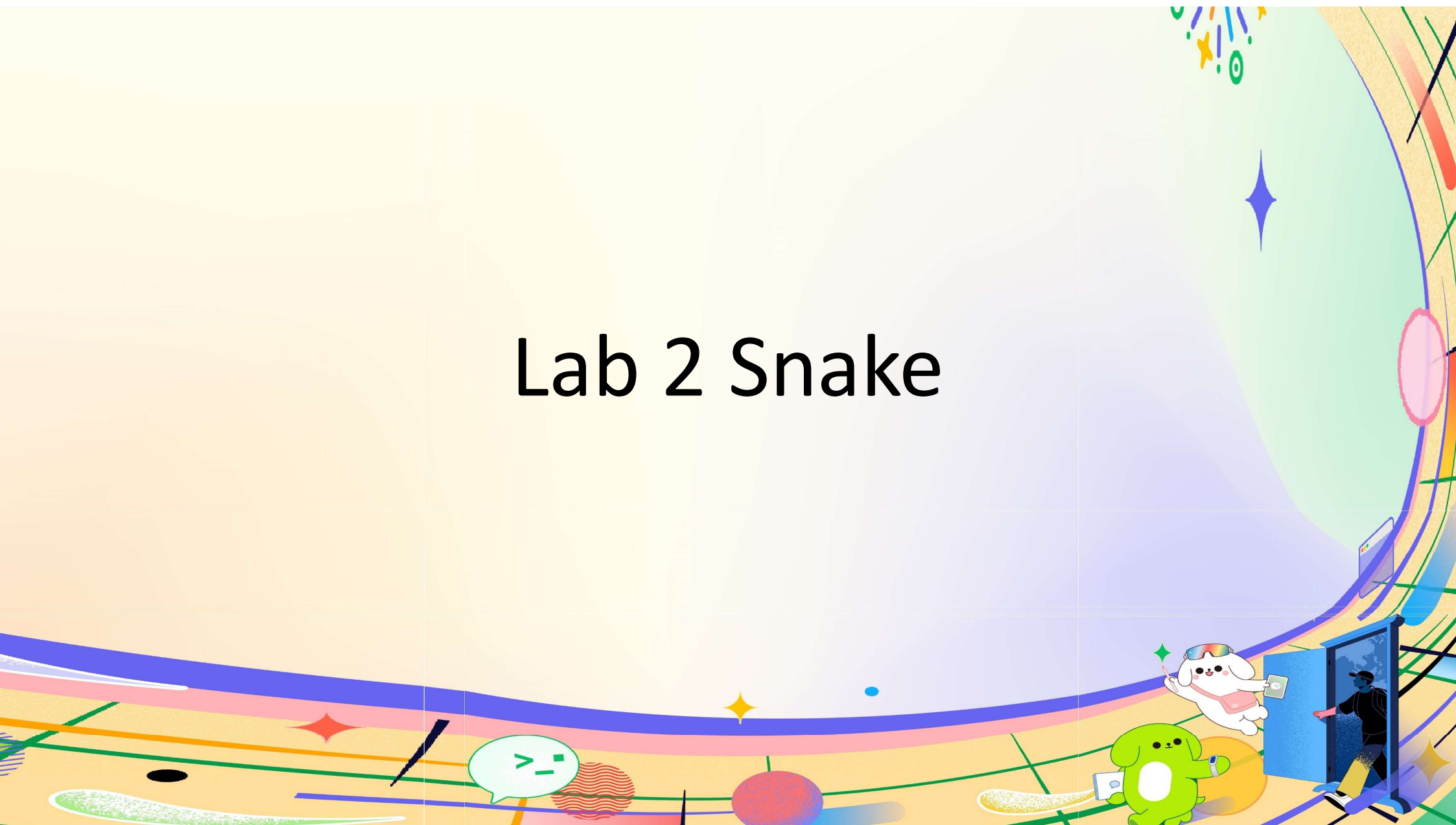
each with its own image.

Use English interface.



By Hugo Cheng

Lab 2 Snake



Lab 2 Snake

- Prompt

Help me write a mini game snake

Help me write a mini game snake

思考中...

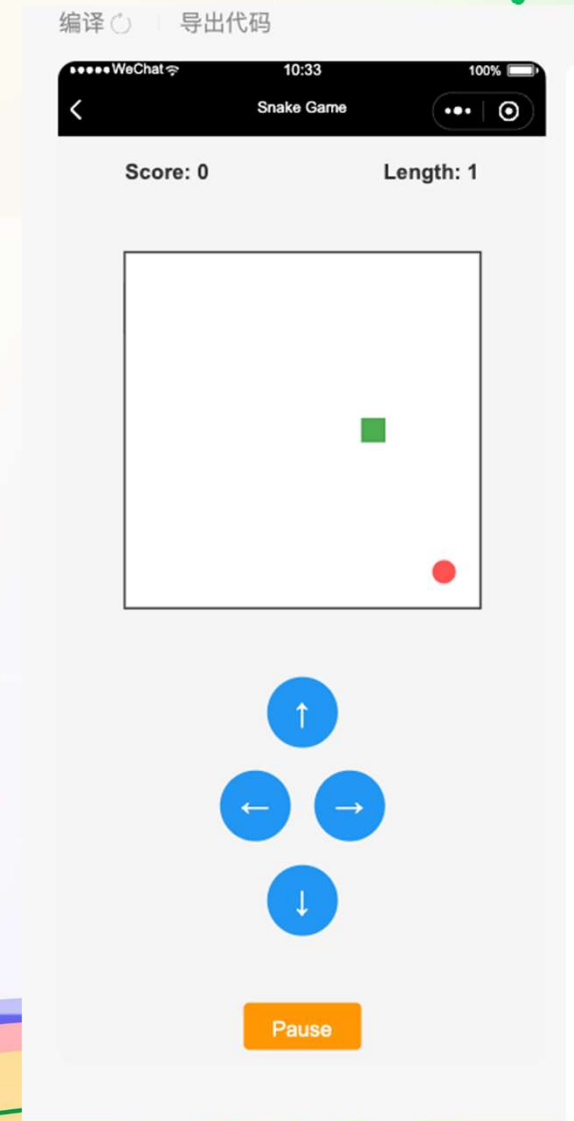
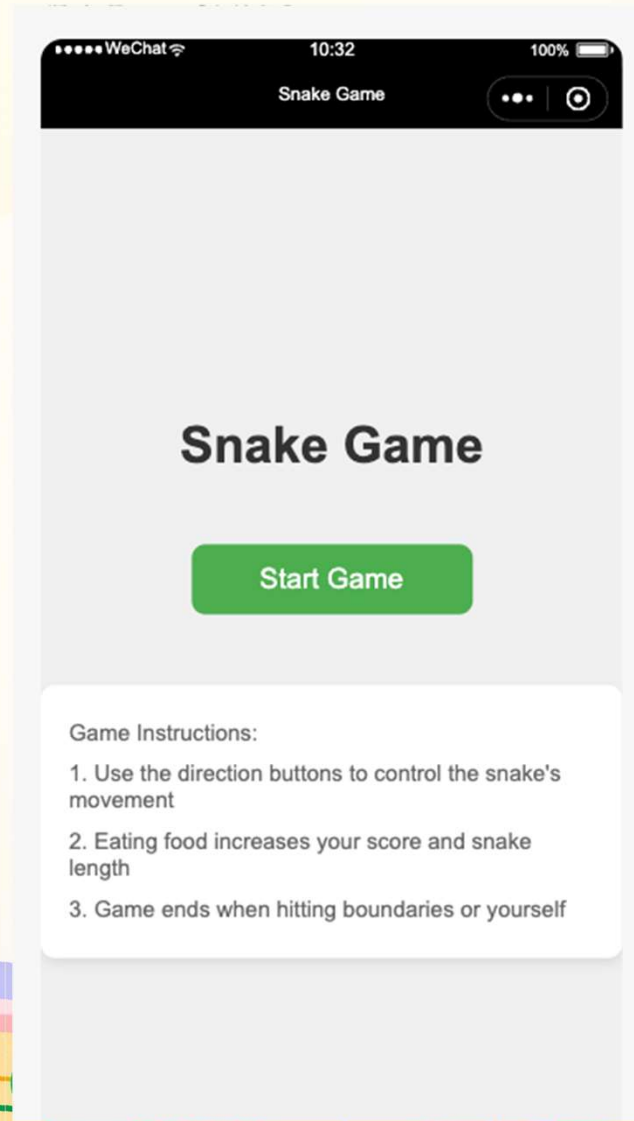
你好！你想做一个有趣的贪吃蛇小游戏，这很棒！不过我们还需要一起明确一些细节哦：

1. 这个小游戏主要是给谁玩的呢？比如是小学生、中学生还是所有人都可以？
2. 你希望在什么情况下玩这个游戏？比如是在课堂休息时间、放学回家路上还是其他时候？
3. 对于游戏的基本玩法，你有什么想法吗？比如说通过按键控制蛇的方向移动去吃食物，让蛇变长并且不能撞到自己或墙壁？

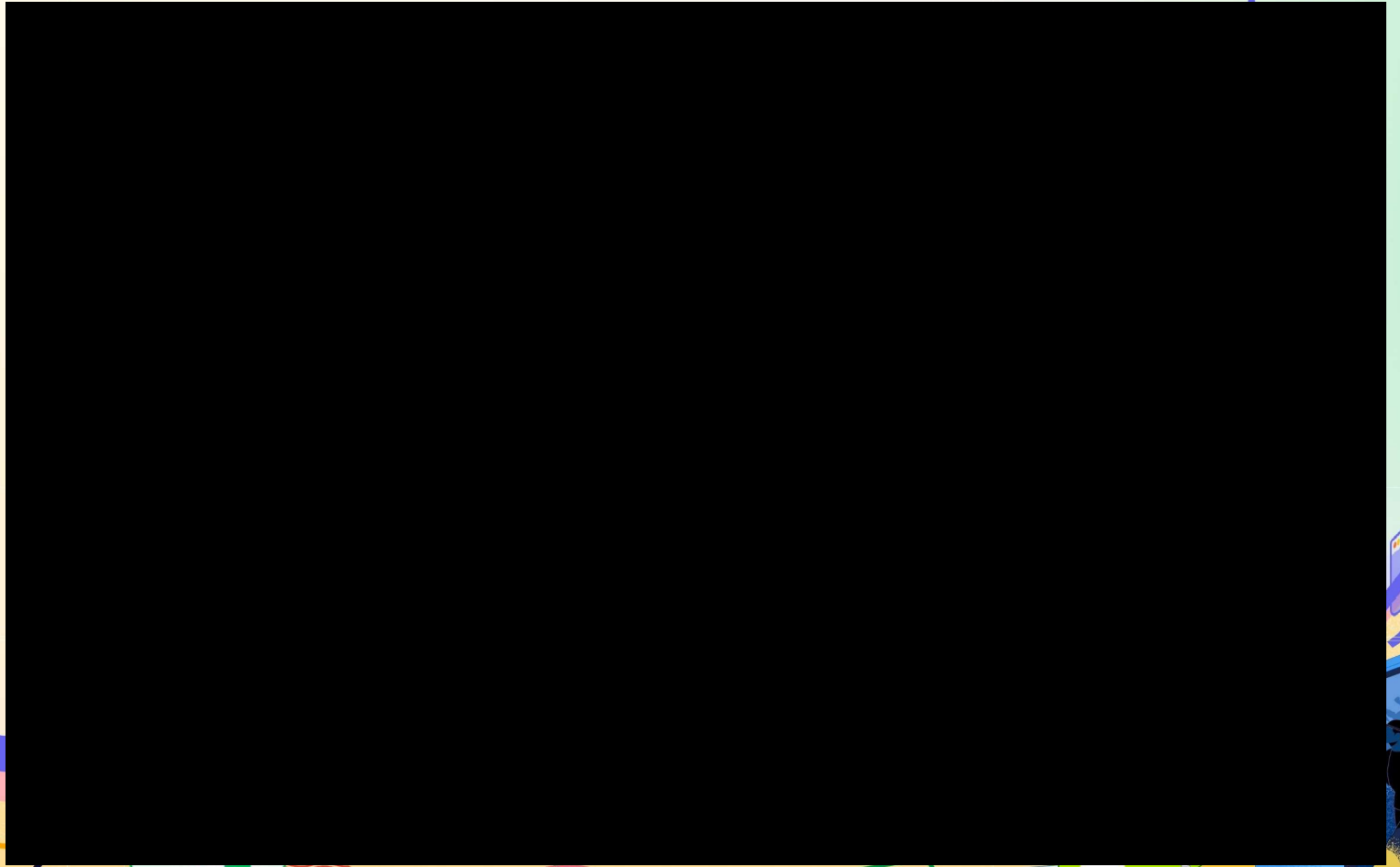
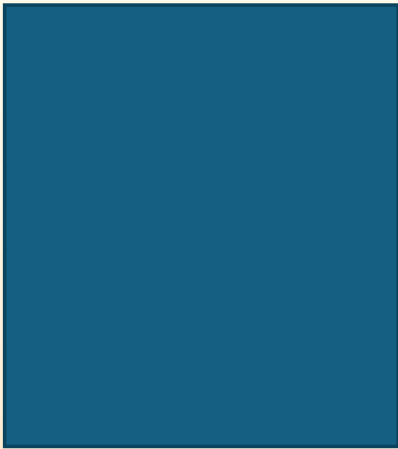
我们一起把这些点搞清楚之后，就可以开始设计和编码啦！



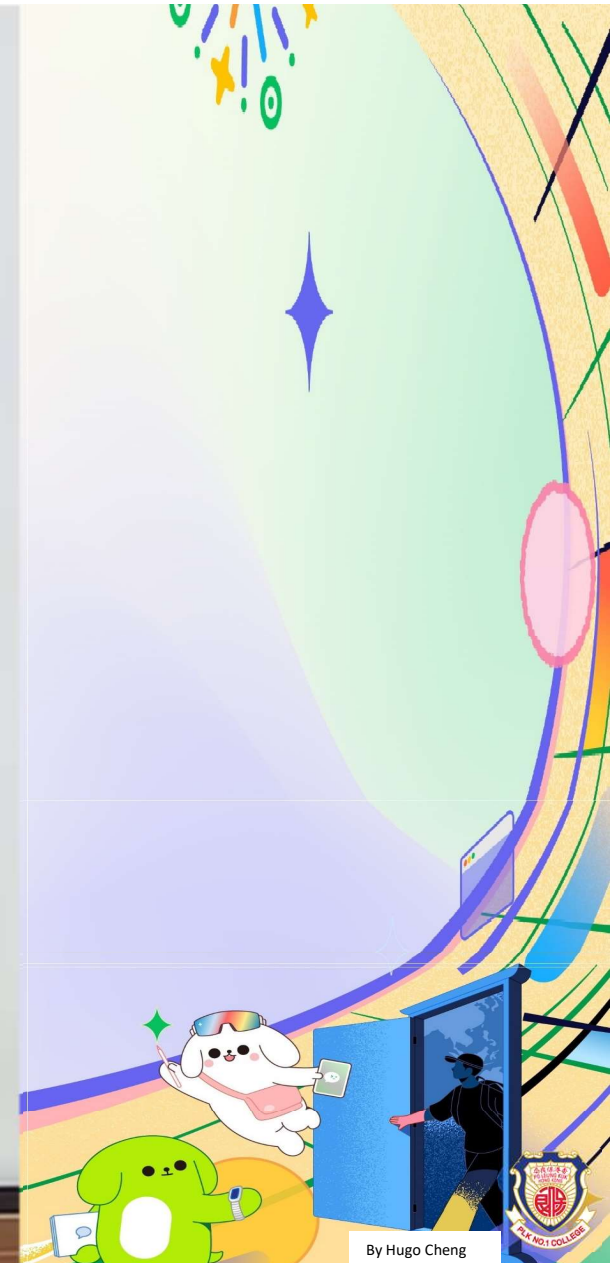
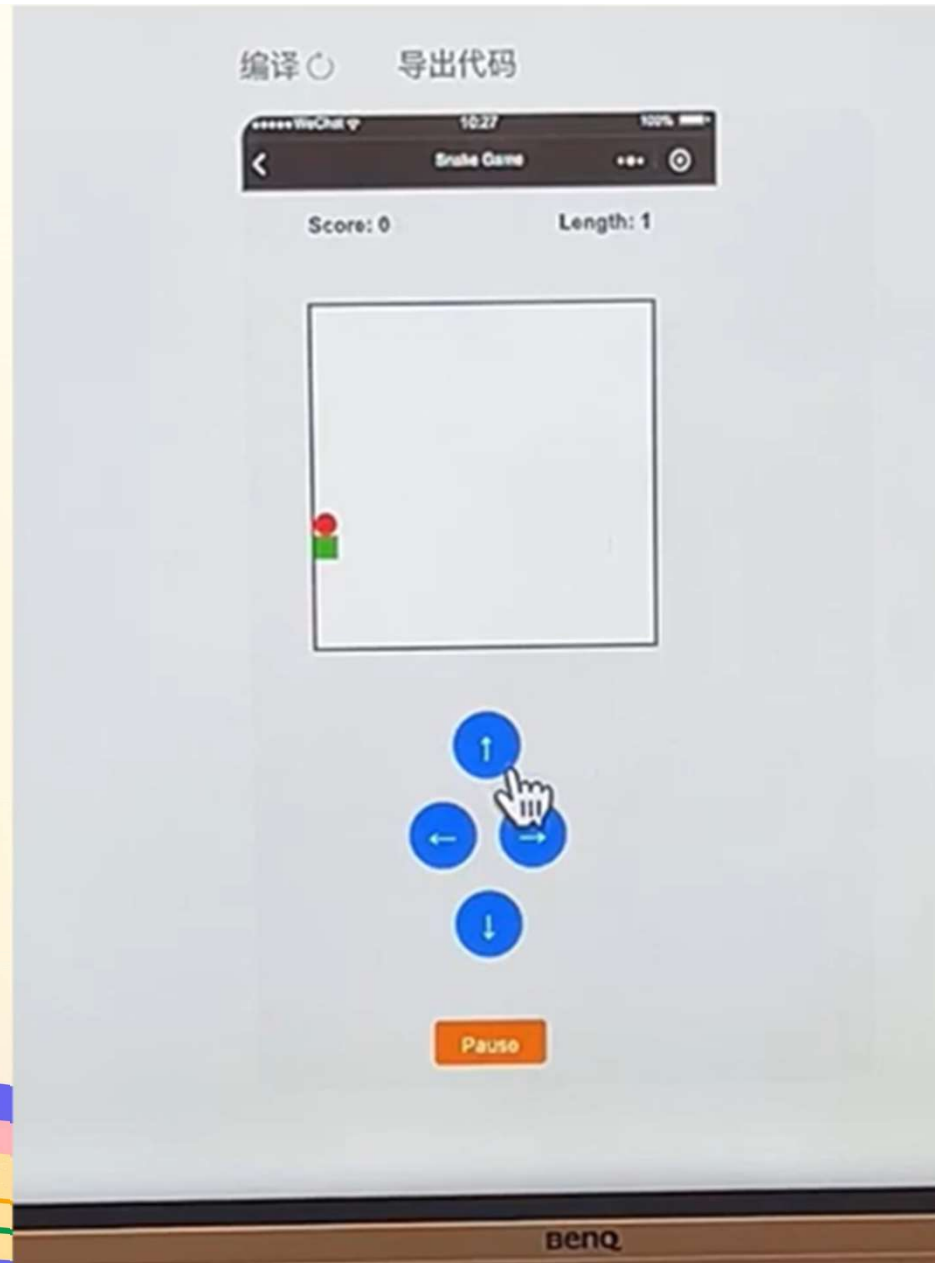
Lab 2 Snake



Lab 2 Snake



Lab 2 Snake

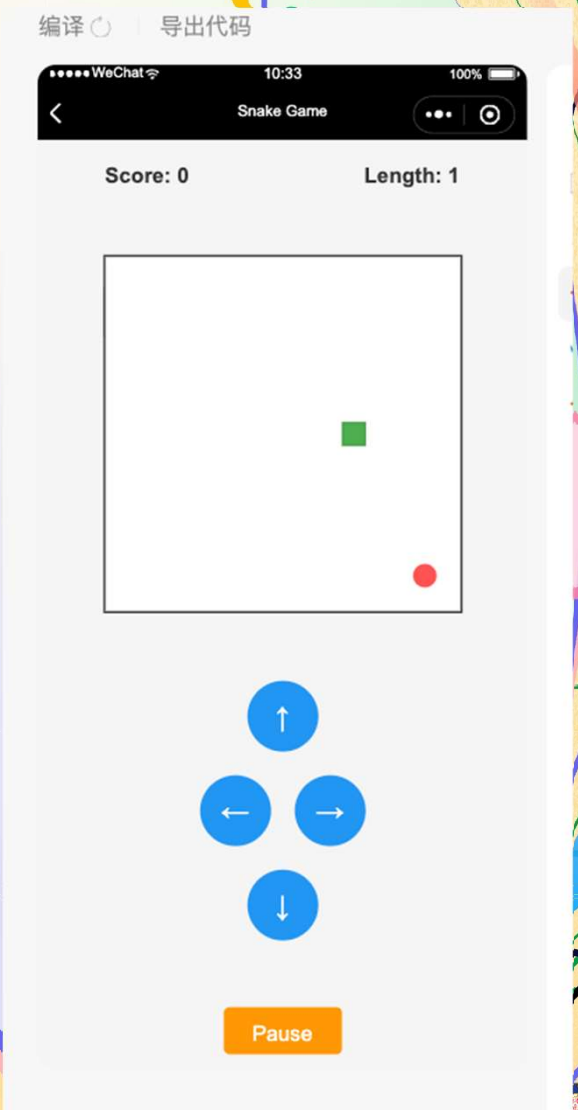


By Hugo Cheng

Lab 2 Snake

How Can We Make the Snake Game Better?

- Allow the snake to reappear from the opposite side when hitting a wall instead of dying.
- Implement controls using up, down, left, and right buttons, along with swipe functionality.
- Start the game at a slow speed and gradually increase it over time for added challenge.



Resource Library

素材库

上传文件

上传文件夹

新建文件夹

删除

刷新

PLKNO1 /

☐	文件名称	操作
☐	PLKNO1_2A08	
☐	PLKNO1_2A10	
☐	PLKNO1_2A12	
☐	PLKNO1_2A26	
☐	PLKNO1_2A29	
☐	PLKNO1_2D23FMB	
☐	PLKNO1_2D24	
☐	PLKNO1_demo	
☐	image	
☐	apple.jpg 	复制链接 查看详情

apple.jpg

文件大小

4.62 KB = 4727 Byte

文件格式

image/jpeg

最后更新时间

2025-09-04 15:23:02

存储位置

/PLKNO1/apple.jpg 

下载地址

<https://education-cos-1307366133.cos.ap-shanghai.myqcloud.com/PLKNO1/apple.jpg> 



Suggested Style of Innovation

1. Create a basic version 1.0 using simple commands.
2. Revise the commands to add advanced elements for version 2.0 through prompt engineering.
3. Refine version 2.0 with assistance from an AI helper.
4. Introduce new features to develop version 3.0.

(Version 1.0) Generate a Mini Program page that calculates BMI, with height (cm) and weight (kg).

(Version 2.0) Generate a Mini Program page that calculates BMI from height (cm) and weight (kg). Underweight (below 18.5), Healthy Weight (18.5–24.9) Overweight (30.0 or greater) each with its own image. Use English interface.

Competition

微信小程序教育平台

小程序，学以致用

观察、思考、创造、改变

赛事活动 教师成长 使用手册 下载工具

「心繫家國」—編碼尋根·文化傳承—微信小程序設計比賽 进行中

广州市海珠区首届微信小程序AI创新挑战赛 进行中

广东省青少年科技创客大赛“微信小程序AI创新挑战赛” 进行中

第三届青少年人工智能与未来媒体综合实践征集活动 已结束

微信小程序全球創新挑戰賽香港區域賽 已结束

微信小程序全球创新挑战赛上海区域赛 已结束

微信小程序全球创新挑战赛 已结束

广东省AI科普+创意与应用大赛 已结束

微信小程序全球創新挑戰賽澳門區域賽 已结束

Road to EcoCity - 綠色科創校園先鋒評選 已结束

双城青少年编程创新赛 已结束



Ways to Enhance Students' Creativity

- Encourage project-based learning where students solve real-world problems.
- Allow freedom of choice in themes and design — personalize their Mini Programs.
- Promote collaboration and peer feedback to inspire new ideas.
- Guide reflection: ask “Why did you choose this design?” or “What else could it do?”

Ways to Enhance Students' Creativity

- Early-stage brainstorming with an AI helps spark creativity, clarify goals, and guide meaningful student-driven learning.

1. Instant Access to High-Quality Ideas & Frameworks

- Get inspired with real-world problem themes, Mini Program ideas, and learning activities — tailored to your students' level and interests.

2. Save Time & Sharpen Focus

- Quickly explore project structures, guiding questions, and assessment tools — so you can spend more time guiding student learning, not planning from scratch.

3. Boost Creativity & Student Ownership

- Help students choose meaningful topics, design personalized solutions, and reflect deeply — with AI-generated prompts and scaffolds that encourage critical thinking.

Teacher Network (you'll never walk alone)

Vision

- A supportive community where educators collaborate, share ideas, and grow together.

Purpose

- Connect teachers across different subjects, levels, and schools.
- Encourage peer sharing, mentorship, and emotional support.

Key Features

- Periodic sharing sessions and micro-workshops.
- Ongoing training for new features, tools, and teaching innovations.



By Hugo Cheng



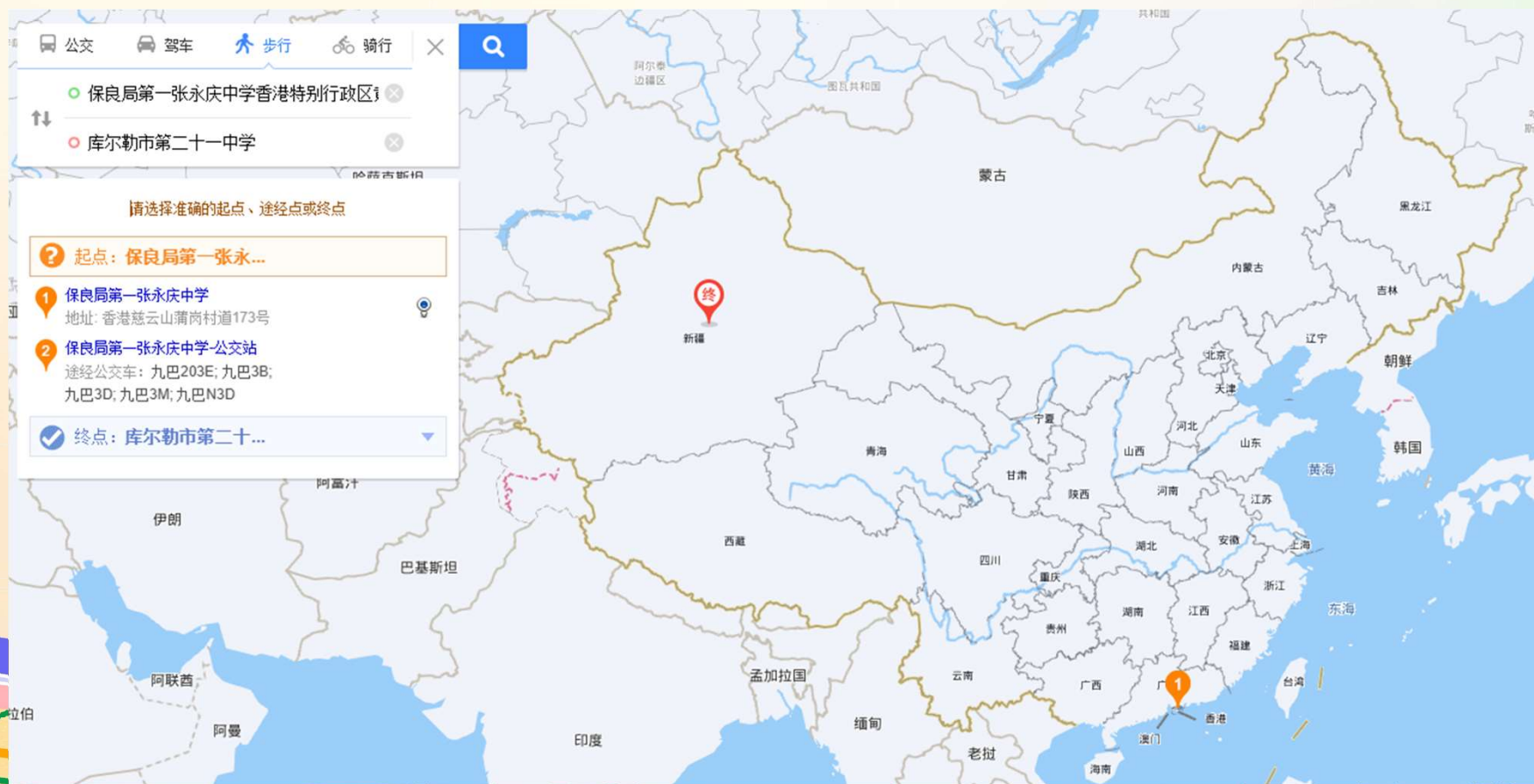
新疆 庫爾勒市第二十一中學 吳善華老師



By Hugo Cheng

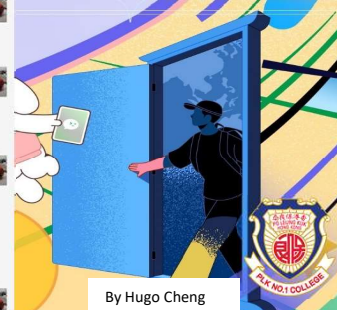


新疆 庫爾勒市第二十一中學 吳善華老師 香港 保良局第一張慶中學 鄭文健老師



新疆 庫爾勒市第二十一中學 吳善華老師 香港 保良局第一張慶中學 鄭文健老師

小程序教師互相支持



By Hugo Cheng

Ways to Enhance Students' Creativity



《声声慢》

组 员：周靖凯、蔡智林、林浩然

指导老师：郑文健

学 校：保良局第一张永庆中学



作品简介

许多听障人士在语言学习过程中因无法听清发音而遇到困难，进而影响他们的口语表达与自信心。团队开发的「声声慢」是一款专为听障人士打造的智能语言矫正与学习软件，致力于通过多模态技术打破听觉限制，让语言学习变得更清晰、更直观。

Ways to Enhance Students' Creativity



《世界熊猫地图》

组 员：林佚韦、杜天右、林沛亨、李韵涛

指导老师：钟咏彤

学 校：保良局第一张永庆中学



作品简介

《世界熊猫地图》是一款推广熊猫资讯与保育知识的小程序。随着全球熊猫热兴起，我们发现大众多只熟悉热门熊猫，对其栖息地与背景了解不深，因此设计此平台整合全球熊猫资料，让用户一站式查阅信息，提升对熊猫保育及中国文化的认识。

小程序结合多项功能：用户可透过地图查询动物园及熊猫资讯、查看每日推荐熊猫、实时排队情况，并透过投票系统表达喜好。更创新地加入AI图片辨识功能，只需上传照片，即可识别熊猫身份，增强互动体验。

此作品展现科技在生态保育与文化推广上的实际应用，也体现团队对自然与创新的关怀与热情。

Ways to Enhance Students' Creativity



《未来小车遥控器》

组 员：姚名轩、胡宗源、常俊熙、苏梓晨

指导老师：吴善华

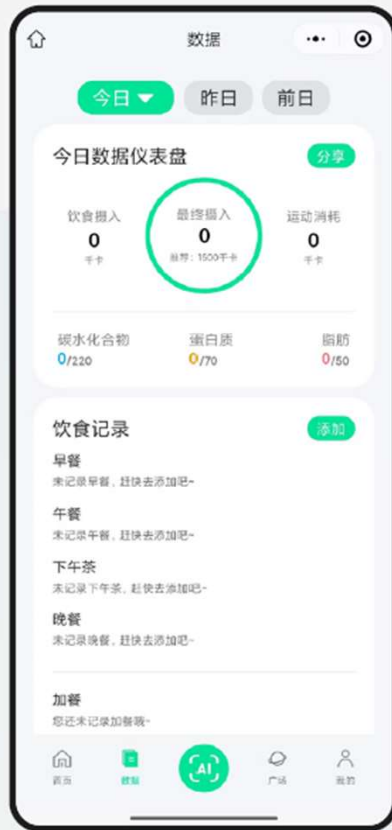
学 校：库尔勒市第二十一中学



作品简介

我们将腾讯未来教室项目组提供未来科技盒组装成小车。此前学习的图形化编程与刚学习的小程序开发知识，激发了我们将小车与小程序结合的想法。在老师帮助下，我们完成了物联网服务器搭建、小程序开发及小车端代码编写。如今，基于MQTT协议的小程序不仅能通过按钮远程控制小车动作，还能实时显示小车端采集的温湿度、二氧化碳浓度、噪音分贝等环境数据，更支持小程序文本消息通过TTS模块转化为语音在小车端播报。

Ways to Enhance Students' Creativity



《健康轻旅》

组 员：唐嘉豪

指导老师：唐嘉豪

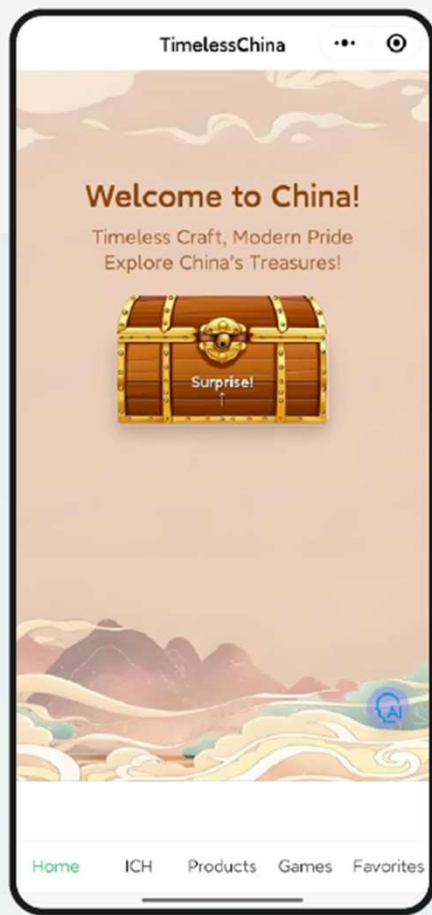
学 校：广州四中



作品简介

通过AI技术帮助用户实时评估饮食健康水平，提供科学建议，并建立长期饮食追踪体系。为轻量自律者和深度自律者提供差异化的健康管理服务，降低健康管理门槛，覆盖个人饮食规划、健康数据追踪场景。

Ways to Enhance Students' Creativity



《Timeless China》

组 员：王子聿

指导老师：朱丹、Elaine Wu

学 校：上海青浦世外学校



作品简介

“Timeless China 匠心中国”是一款专为短期来华的外国游客及海外中国文化爱好者打造的轻量级微信小程序，聚焦中国非物质文化遗产与优质国货，提供沉浸式文化体验。通过AI接入与趣味交互，帮助用户快速了解中国传统文化与现代匠心。希望“匠心中国”能成为外国友人探索中国文化的智慧向导，助力非遗与国货走向世界。

Ways to Enhance Students' Creativity



《智游澳门新视界》

组 员：杨皓森、张兆锋、陈上礼、钟天健

指导老师：林秀兰

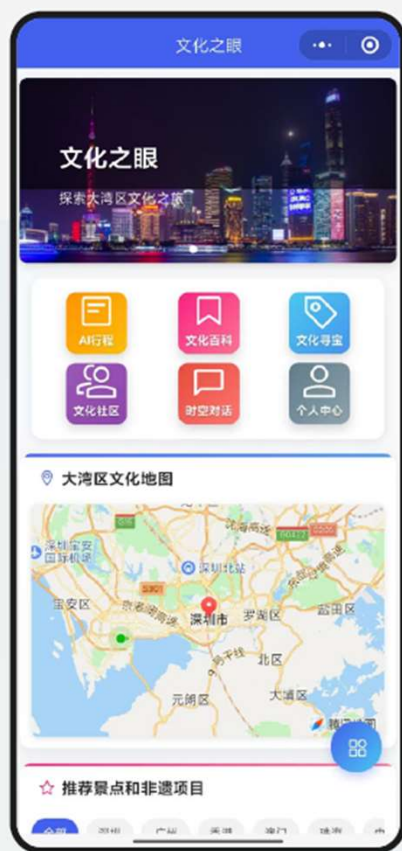
学 校：培正中学



作品简介

智游澳门新视界是一款针对现代旅游痛点设计的小程序。传统上，旅游规划流程会碎片化，从攻略搜索、路线安排到导航通信与拍照分享，需要频繁切换七八个应用，破坏旅程的连贯性与乐趣。同时，青少年旅游时因为怕麻烦，所以不乐于做报备，让家人牵肠挂肚；长辈独自出游，又忧心走散及安全问题。本作品整合规划、导航、通信、记录与分享功能于一体，并为长者设有贴心的“关怀模式”，便利长者使用，也让远方亲人安心。本作品不仅提升旅游效率与乐趣，更促进家庭成员间的联系，展现年轻一代对社会责任的关注，打造智慧、安全又温暖的旅游新体验。

Ways to Enhance Students' Creativity



《大湾区文化之眼》

组 员：王颢霖、张棹盈、叶嘉彤、刘熙雯

指导老师：郭泽坤

学 校：保良局马锦明中学



作品简介

「大湾区文化之眼」小程序是一款专为推广粤港澳大湾区文化与旅游资源设计的应用，旨在吸引年轻人探索大湾区的独特魅力与发展潜力。该程序整合大湾区的文化景点、非物质文化遗产项目及特色活动信息，涵盖广州塔、深圳博物馆、澳门历史城区等地标，生动讲述景点的文化故事。创意灵感源自主流旅游应用，结合用户反馈优化体验，打造创新、便捷的文化探索平台，推动大湾区文化普及与AI技术融合。

Ways to Enhance Students' Creativity

家庭税优计算器

夫妻个税优化预汇算工具

(不会使用? 点击这里)

年度累计收入	年度累计收入
专项附加扣除项	专项附加扣除项
婴幼儿照护	婴幼儿照护
子女教育	子女教育
房贷利息	房贷利息
住房租金	住房租金
赡养老人	赡养老人
继续教育	继续教育
大病医疗	大病医疗
清空 算税	清空 算税
夫, 应纳税额0 适用税率0% 税费0元	妻, 应纳税额0 适用税率0% 税费0元

计算应纳税额时已扣除起征点60000元

家庭共税0元

《家庭税优计算器》

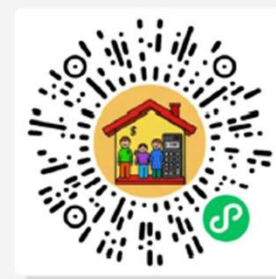
组 员：杨芮林

指导老师：王欣欣、郭耘路

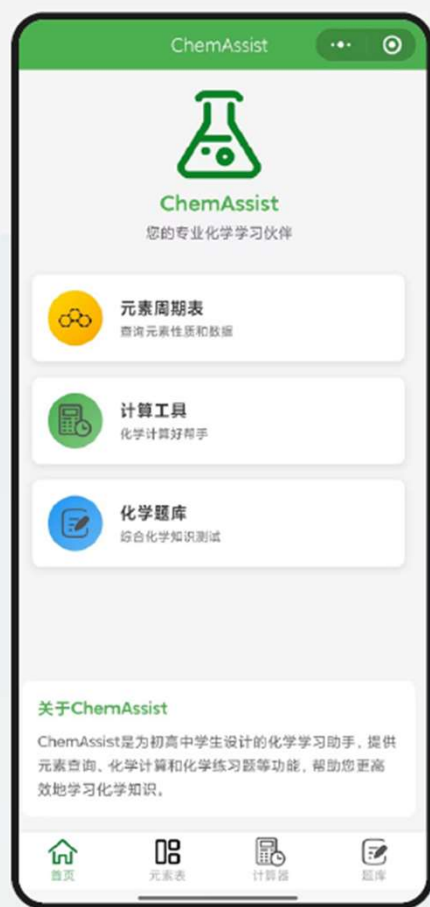
学 校：重庆巴蜀常春藤学校

作品简介

在进行个税的年度汇算时，个税的专项附加扣除项中有：婴幼儿照护、子女教育和房贷利息等项目是可以在夫妻之间灵活调配的。如果这些扣除项的填报不恰当，会导致家庭总税费上升。为了方便用户能够通过反复的演算从而找到使得家庭总税费最低的方案，我开发了这款小程序。它依照个税政策建立程序逻辑，用它可以进行不限次数的预汇算。它开创性的把夫妻双方放在了同一个界面进行汇算，除了能使得演算结果清晰明了、对比强烈，还把数据输入进行了逻辑联动，不仅确保了数据准确，还减少了用户操作负担，提升了用户体验。与此同时，这个小程序不采集任何用户数据，充分尊重用户隐私，使得用户可以放心使用小程序。



Ways to Enhance Students' Creativity



《ChemAssist》

组 员：许梓童

指导老师：简锦豪

学 校：澳门菜农子弟学校



作品简介

我设计的ChemAssist化学工具小程序，是专为初中生打造的化学学习好帮手！创作时我发现理科学习工具较少，尤其是化学领域，便聚焦核心需求，打造了元素周期表、化学计算器和题库三大功能。小程序采用纯前端本地架构，不用联网也能在教室、实验室等场景稳定使用，元素周期表通过颜色分类和搜索功能，3秒就能定位目标元素，点击即可查看用途、发现历史等详细信息；计算器集成摩尔质量、pH计算等6大工具，界面像课本例题一样简单，输入化学式瞬间出结果，计算效率比草稿纸快5倍；题库能实时反馈答题对错，还有清晰解析帮助理解知识点。

Ways to Enhance Students' Creativity



《地域歷史智慧遊》

組 員：徐海甄、黃綽柔

指導老師：鄭民榮、劉智健

學 校：保良局莊啟程小學



作品簡介

設計這個作品的初衷是因為中國從古至今有數千年曆史及地域文化，很多人會因很多資料卻步或不願去探索，所以設計這個小程序希望透過養成遊戲的模式，用有趣的方法去學習歷史。此外，正所謂「讀萬卷書不如行萬里路」，小程序的部分功能可以吸引用戶去不同地方遊覽，去實踐和親身感受當地文化。

Ways to Enhance Students' Creativity



《分秒间·自律引擎》

组 员：王照文、张沅上修、汪成言

指导老师：廖伟、易娜

学 校：重庆巴蜀常春藤学校



作品简介

不管是小学生还是成年人常因缺乏科学的时间管理方法，陷入拖延、效率低下的困境。“分秒间·自律引擎”以帮助大家摆脱时间管理难题为初心，将专业的时间管理理论转化为适用于用户的趣味实践。通过普及时间四象限法、吃掉那只青蛙、番茄时钟法三种经典方法，引导用户学会区分任务优先级、攻克难点任务、培养专注习惯，助力大家建立自律意识，合理规划学习与生活，在有限的时间里实现高效成长，为未来发展奠定坚实基础。

Ways to Enhance Students' Creativity



《志豪emoji hub》

組 員：楊洛鐸

指導老師：王文龍

學 校：保良局志豪小學



作品簡介

「志豪emoji Hub」的設計理念是"以童心巧思，賦能智慧校園"。這一立意旨在通過創新的科技手段，讓學生在校園生活中感受到更多的樂趣與活力。通過emoji這一現代化的視覺元素，希望能夠降低信息獲取的門檻，提升學生的參與感，從而促進積極的校園文化。

Ways to Enhance Students' Creativity



《低碳生活小助手》

组 员：林正洋、林友坤

指导老师：何培铭

学 校：南山中英文学校



作品简介

我们的低碳生活小助手是为了帮助那些想保护地球的人，让他们做到低碳生活。

这个小程序通过四个关键部分教会他们如何低碳生活：

- 1.第一部分能教会他们低碳生活的重要性和要低碳生活的原因。
- 2.第二部分能教他们如何节约用水。
- 3.第三部分能教他们该养成那些良好生活习惯。
- 4.第四部分能教会他们垃圾分类的重要性，并让他们知道垃圾的种类，不仅如此，这一部分里还有AI助手，你可以问他关于哪些垃圾属于哪种垃圾，在以后我们还会做出拍照识别的功能。



小程序賽事簡介會及賽前培訓 教師工作坊 (進階班) 第二節

9-7-2026

保良局第一張永慶中學
鄭文健老師



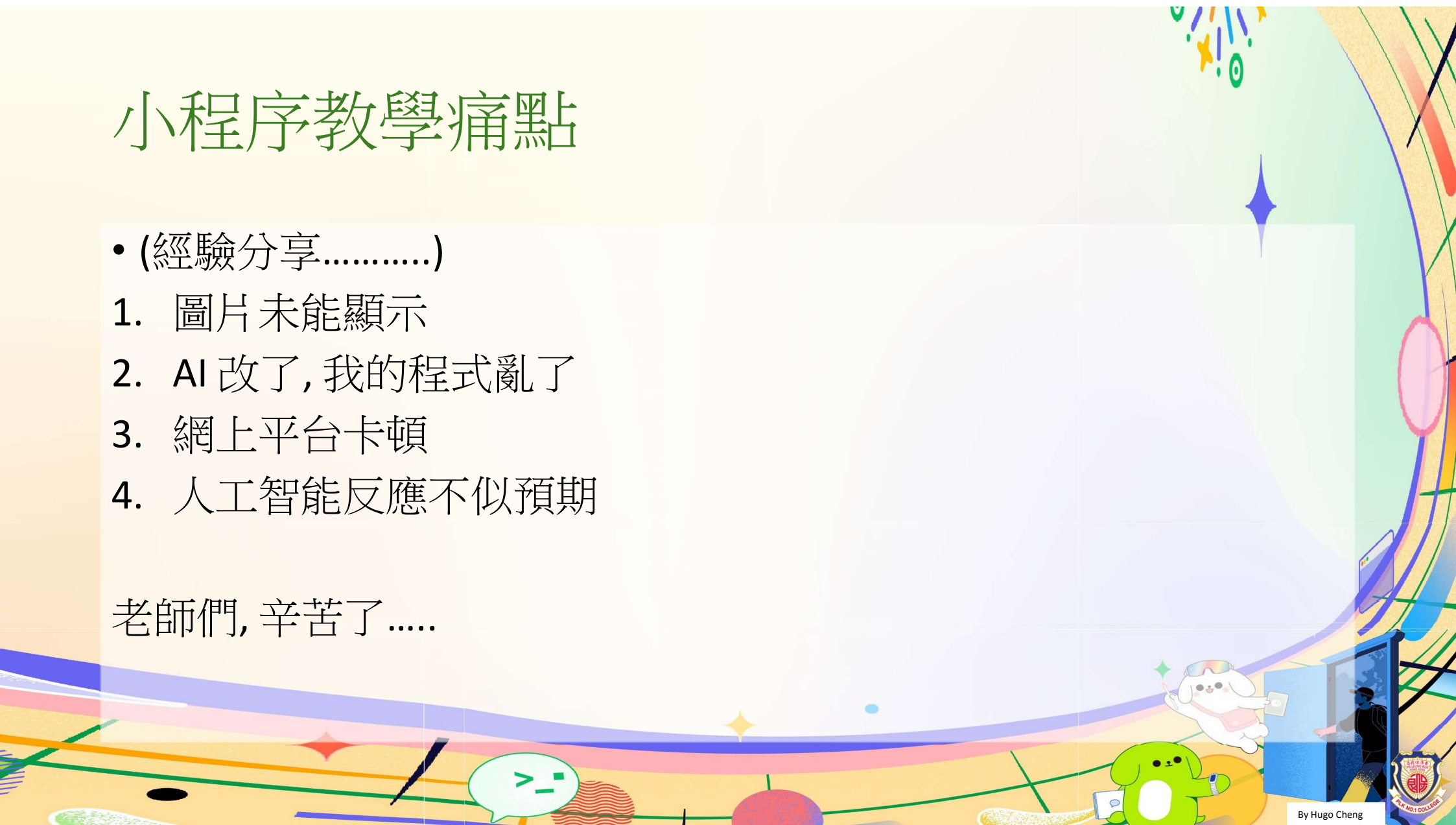
進階班 (需要的軟件)

- AI 代碼生成工具 (Trae) (二選一)
- <https://www.trae.ai/>
- AI 代碼生成工具 (CodeBuddy) (二選一)
- <https://www.codebuddy.ai/>
- 微信小程序開發平台 (安裝版)
- <https://edu.weixin.qq.com/>

小程序教學痛點

- (經驗分享.....)
- 1. 圖片未能顯示
- 2. AI 改了, 我的程式亂了
- 3. 網上平台卡頓
- 4. 人工智能反應不似預期

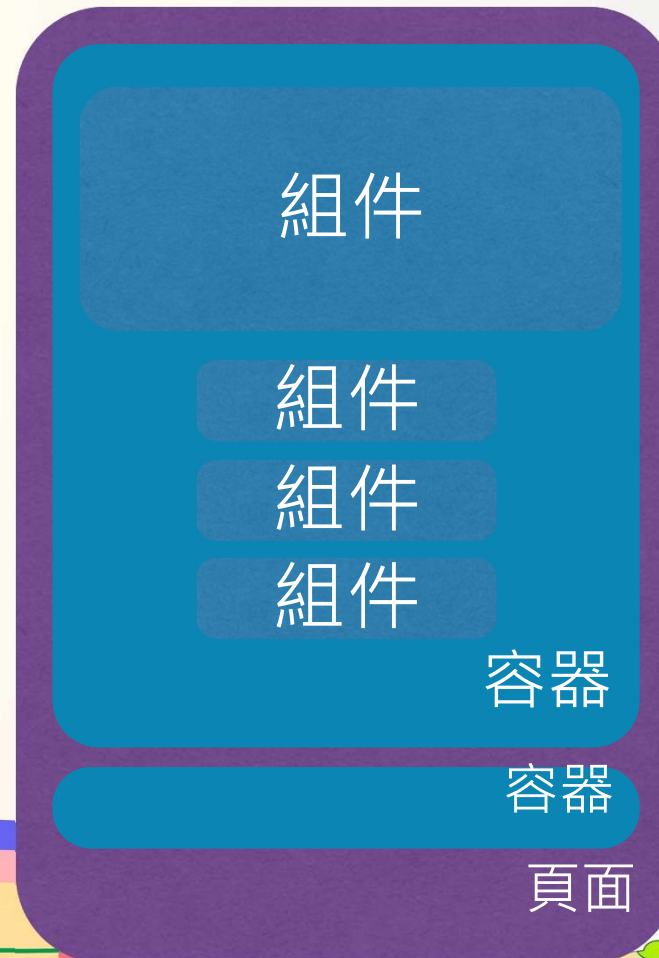
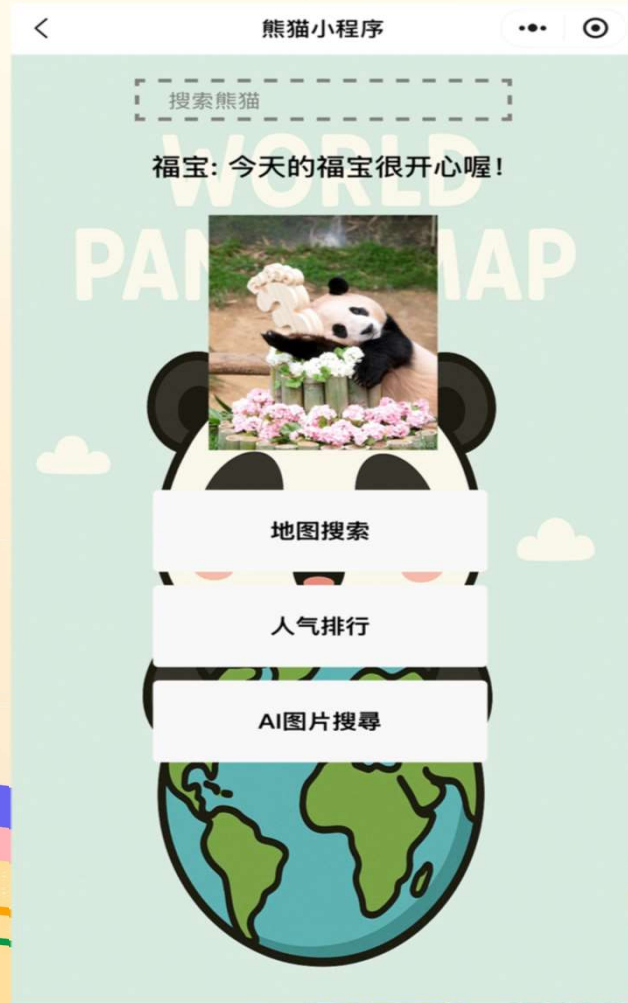
老師們, 辛苦了.....



小程序教學痛點

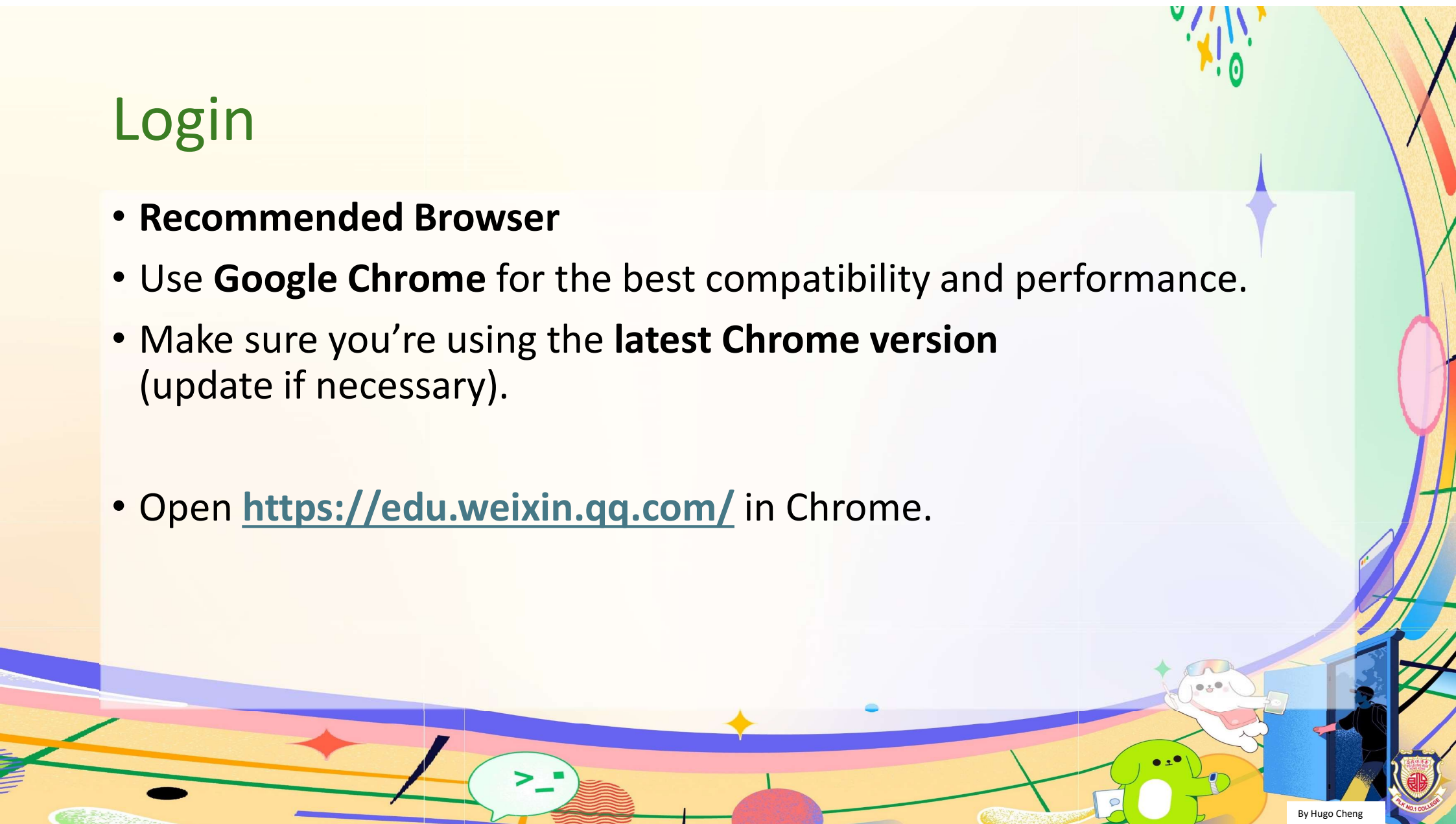
- (經驗分享.....)
- 1. Multimedia processing 多媒體處理
- 2. Version management 版本管理
- 3. Mini Program Development Platform (Stand-alone Version)
小程序開發平台 (單機版)
- 4. AI development tool application
人工智能開發工具應用

Conceptual structure of a Weixin Mini Program



Login

- **Recommended Browser**
- Use **Google Chrome** for the best compatibility and performance.
- Make sure you're using the **latest Chrome version** (update if necessary).
- Open <https://edu.weixin.qq.com/> in Chrome.



Login

Open <https://edu.weixin.qq.com/> in Chrome.



Test account

Login:

Password:

Multimedia processing 多媒體處理

- The main package of mini programs is limited to 2MB (小程序的主包 (Main Package) 限制為 **2MB**)
- The 2MB limit is not a barrier but a driving force for architectural optimization.

Multimedia processing 多媒體處理

- Advanced Compression (多媒體格式的「極限壓縮」)
- Externalize Assets (資源「雲端化」)



Advanced Compression

- **Resolution = number of pixels** (e.g. 1920×1080).
More pixels = more detail, but also a larger file.
- **Practical guidelines**
 - Full-screen mobile image: 1080×1920
 - Web hero/banner image: 1920×1080
 - Avoid using **oversized images and scaling them down** — it wastes bandwidth

File Format (Image, Video, Animation)

JPEG

Best for: photographs, realistic images, gradients

Compression: lossy

Strength: small file size, fast loading

Limitation: quality loss; text and sharp edges may blur

PNG

Best for: logos, UI elements, illustrations, text, screenshots

Compression: lossless

Strength: sharp edges, supports transparency

MP4 (H.264 / H.265)

Best for: general web and mobile video playback

Strength: high compression efficiency, broad device support

Limitation: higher processing requirements than images

GIF

Best for: simple animations, UI demonstrations, short loops

Colour limit: 256 colours

Strength: wide compatibility, automatic looping



GIF

6-2-2026

Just get the apple image itself for another purpose

I understand now! But as your programming teacher, I'm here to help you create mini-programs, not just get images.

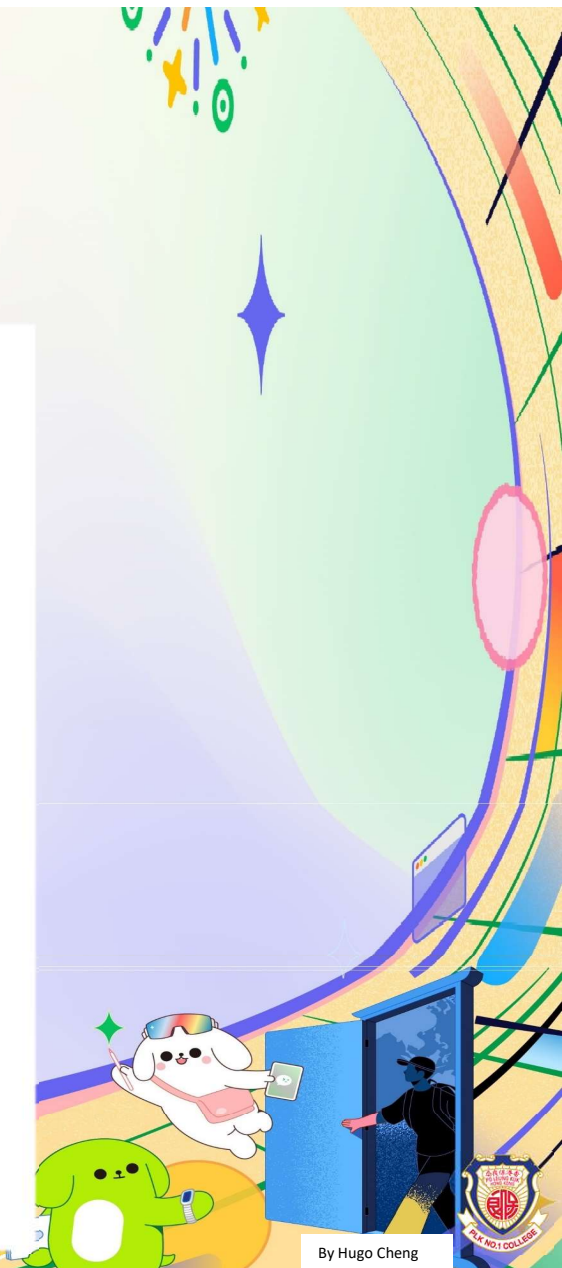
If you just need an apple image, you could:

- Search for "apple image" on Google
- Use an emoji 🍎
- Draw one yourself

But if you want to create something with an apple image using programming, I'd love to help! For example:

- A mini-program that shows apple images
- A simple game with apple graphics
- A learning tool about apples

What would you like to create? I'm here to help you build something cool with code! 😊



By Hugo Cheng

Resource Library

素材库

上传文件

上传文件夹

新建文件夹

删除

刷新

PLKNO1 /

☐	文件名称	操作
☐	PLKNO1_2A08	
☐	PLKNO1_2A10	
☐	PLKNO1_2A12	
☐	PLKNO1_2A26	
☐	PLKNO1_2A29	
☐	PLKNO1_2D23FMB	
☐	PLKNO1_2D24	
☐	PLKNO1_demo	
☐	image	
☐	apple.jpg 	复制链接 查看详情

apple.jpg

文件大小

4.62 KB = 4727 Byte

文件格式

image/jpeg

最后更新时间

2025-09-04 15:23:02

存储位置

/PLKNO1/apple.jpg 

下载地址

<https://education-cos-1307366133.cos.ap-shanghai.myqcloud.com/PLKNO1/apple.jpg> 



Resource Library 素材庫



素材库

搜索

我的素材

全部

图片

音频

视频

文件

文件

操作



37.jpg
199.93 KB

复制链接



38.JPG
14.88 KB

复制链接



40.JPG
51.75 KB

复制链接



PLKNO1_LOGO.png
96.19 KB

复制链接

Resource Library 素材庫

Step 1: Upload the image to the Resource Library

- You will get a **public URL**, for example:

Step 2: Copy the link (URL)

Step 3A: Use it in HTML

```

```

Step 3B: Use it in WeChat Mini Program (WXML)

```
<image src="https://your-host.com/assets/banner.jpg" mode="widthFix"></image>
```

Use AI helper to insert the image



Use AI helper to insert the image

太好了！科技感风格很酷。

让我总结一下我们想清楚的方案：

小程序名称：image demo 使用者：你自己 核心功能：展示 Logo 图片 界面风格：科技感 图片链接：
https://education-cos-1307366133.cos.ap-shanghai.myqcloud.com/PLKNO1/PLKNO1_LOGO.png

这个方案可以吗？如果确认了，我就帮你把小程序做出来啦！如果有想改的地方也可以告诉我～

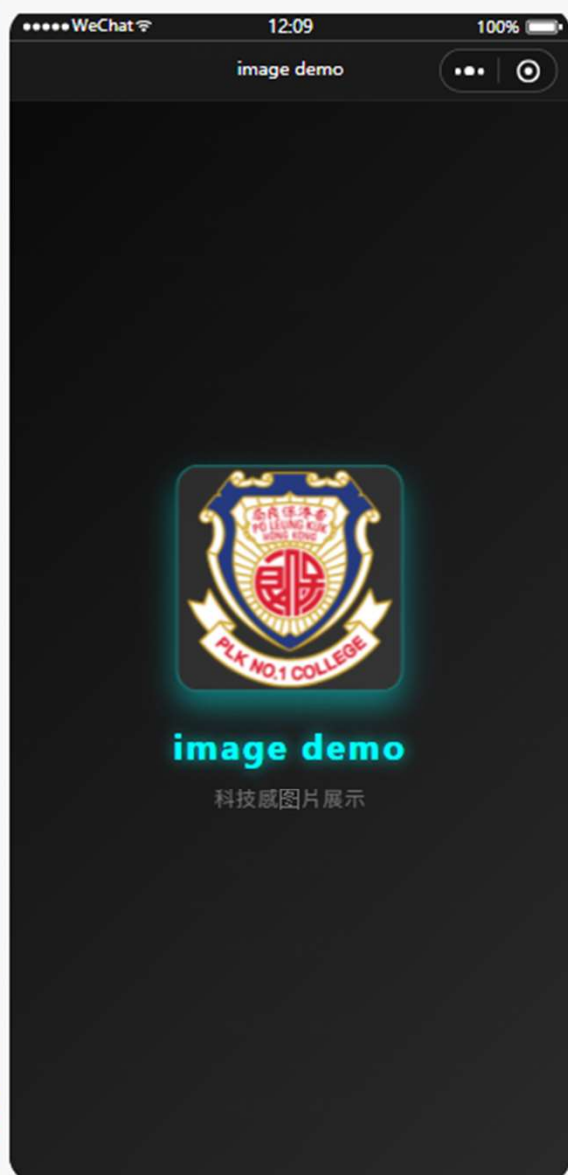


confirm



By Hugo Cheng





项目开发完成! 🎉

我已经成功为你创建了"image demo"微信小程序, 具备以下特色:

🌟 核心亮点

- 科技感设计: 深色主题 + 青色发光效果
- 动画效果: 淡入、脉冲、发光等现代化动画
- Logo展示: 自动加载你指定的 Logo 图片
- 交互体验: 悬停放大、加载状态、错误处理

🚀 技术实现

- 使用微信小程序原生开发
- 响应式设计适配各种屏幕
- 外部 CDN 图片资源管理
- CSS3 动画和玻璃态效果

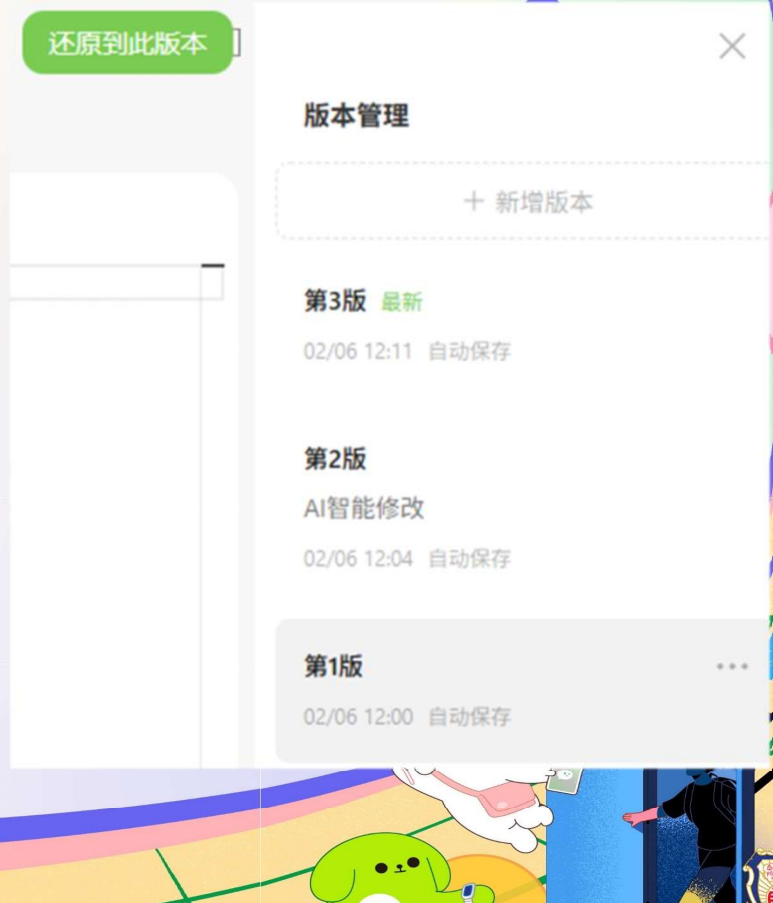
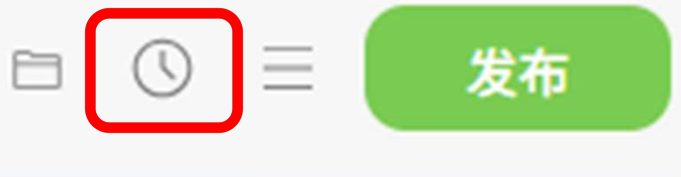
📱 项目状态

- ☒ 所有文件已创建并配置完成
- ☒ 遵循微信小程序开发规范
- ☒ 项目已标记为非模板项目
- ☒ 可直接部署到微信开发者工具

现在你可以将项目导入微信开发者工具进行预览和测试了! 小程序会自动展示你的 Logo 图片, 并呈现出酷炫的科技感效果。



Version management 版本管理



Programming Languages for Weixin Mini

Language / File Type

WXML (Weixin Markup Language)

WXSS (Weixin Style Sheets)

JavaScript

JSON (Configuration Files)

Purpose

Defines the **structure** of the page
(similar to HTML).

Controls the **layout and visual style**
(similar to CSS).

Handles **logic, interaction, and data processing**.

Specifies **page routing, settings, and component behavior**.

WXML (Weixin Markup Language)



pH Liquid Finder

Discover common liquids based on their pH values

Enter pH Value:

e.g., 4

Find Liquids



pages

index

JS index.js

<> index.json

<> index.wxml

WXSS index.wxss

JS app.js

<> app.json

WXSS app.wxss

<> project.config.json

app.json ×

index.wxml ×

```
1 <view class="container">
2   <view class="header">
3     <text class="title">pH Liquid Finder</text>
4     <text class="subtitle">Discover common liquids based on their pH
      values</text>
5   </view>
6
7   <view class="input-section">
8     <text class="label">Enter pH Value:</text>
9     <input class="ph-input" type="digit" placeholder="e.g., 4"
      bindinput="onInput" value="{{phValue}}" />
10    <button class="search-btn" bindtap="onSearch">Find Liquids</button>
11  </view>
12
13  <view class="results-section" wx:if="{{liquids.length > 0}}">
14    <text class="results-title">Liquids with pH {{phValue}}:</text>
15    <view class="liquid-list">
16      <view class="liquid-item" wx:for="{{liquids}}" wx:key="name">
17        <text class="liquid-name">{{item.name}}</text>
18        <text class="liquid-property {{item.property}}">{{item.property}}
          </text>
19        <text class="liquid-description">{{item.description}}</text>
20      </view>
21    </view>
22  </view>
```



WXSS (Weixin Style Sheets)

编译 导出代码



pH Liquid Finder

Discover common liquids based on their pH values

Enter pH Value:

0.00

Find Liquids



pages

index

JS index.js

<> index.json

<> index.wxml

WXSS index.wxss

JS app.js

<> app.json

WXSS app.wxss

<> project.config.json

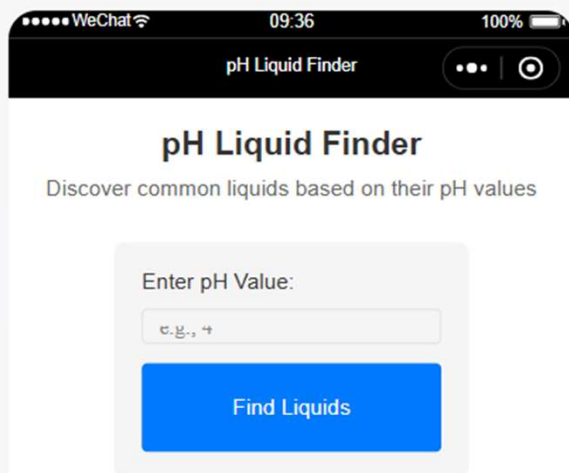
index.wxss

index.wxml

```
46 | box-sizing: border-box;
47 | }
48 |
49 | .search-btn {
50 |   width: 100%;
51 |   background-color: #007aff;
52 |   color: white;
53 |   border: none;
54 |   padding: 12px;
55 |   font-size: 16px;
56 |   border-radius: 4px;
57 |   cursor: pointer;
58 | }
59 |
60 | .search-btn:active {
61 |   background-color: #0056b3;
62 | }
63 |
64 | .results-section {
65 |   margin-top: 20px;
66 | }
67 |
68 | .results-title {
69 |   font-size: 18px;
70 |   font-weight: bold;
```

JavaScript

编译  | 导出代码



```
index.wxss × index.wxml × index.json × index.js ×
14 },
15
16 // 处理搜索按钮点击
17 onSearch: function() {
18   const ph = parseFloat(this.data.phValue);
19
20   // 检查输入是否为空或无效
21   if (isNaN(ph)) {
22     this.setData({
23       liquids: [],
24       showNoResults: true
25     });
26     return;
27   }
28
29   // 获取匹配的液体
30   const matchingLiquids = this.getLiquidsByPH(ph);
31
32   // 更新页面数据
33   this.setData({
34     liquids: matchingLiquids,
35     showNoResults: matchingLiquids.length === 0
36   });
37 },
38
```



By Hugo Cheng

JSON (Configuration Files)

The image displays a WeChat mini-program interface for a 'pH Value Finder' and its associated JSON configuration files.

Mini-program Interface:

- Header:** 'pH Value Finder' with a subtitle 'Discover the acidity or alkalinity of common liquids'.
- Input:** A text field labeled 'Enter pH Value (1-14):' with a 'Find pH' button.
- Reference:** A 'Complete pH Scale Reference' section showing a scale from 1 to 5 with corresponding colors and examples: 1 (Stomach Acid), 2 (Lemon Juice), 3 (Apple Juice), 4 (Acid Rain), and 5 (Coffee).
- Categories:** A section for 'pH Categories' with three color-coded boxes: Acidic (1-6) in orange, Neutral (7) in green, and Basic/Alkaline (8-14) in blue.

JSON Configuration Files:

- app.json:** The main configuration file, showing the following structure:

```
1 {
2   "pages": [
3     "pages/phquery/phquery"
4   ],
5   "window": {
6     "navigationBarTitleText": "pH Value Finder",
7     "navigationBarTextStyle": "black",
8     "navigationBarBackgroundColor": "#0000ff"
9   },
10  "renderer": "webview"
11 }
```
- index.json:** The configuration file for the index page.
- phquery.json:** The configuration file for the pH query page.

The background of the slide features a colorful, abstract design with various shapes and colors.

WXML (Weixin Markup Language)

Use “code” to insert the image

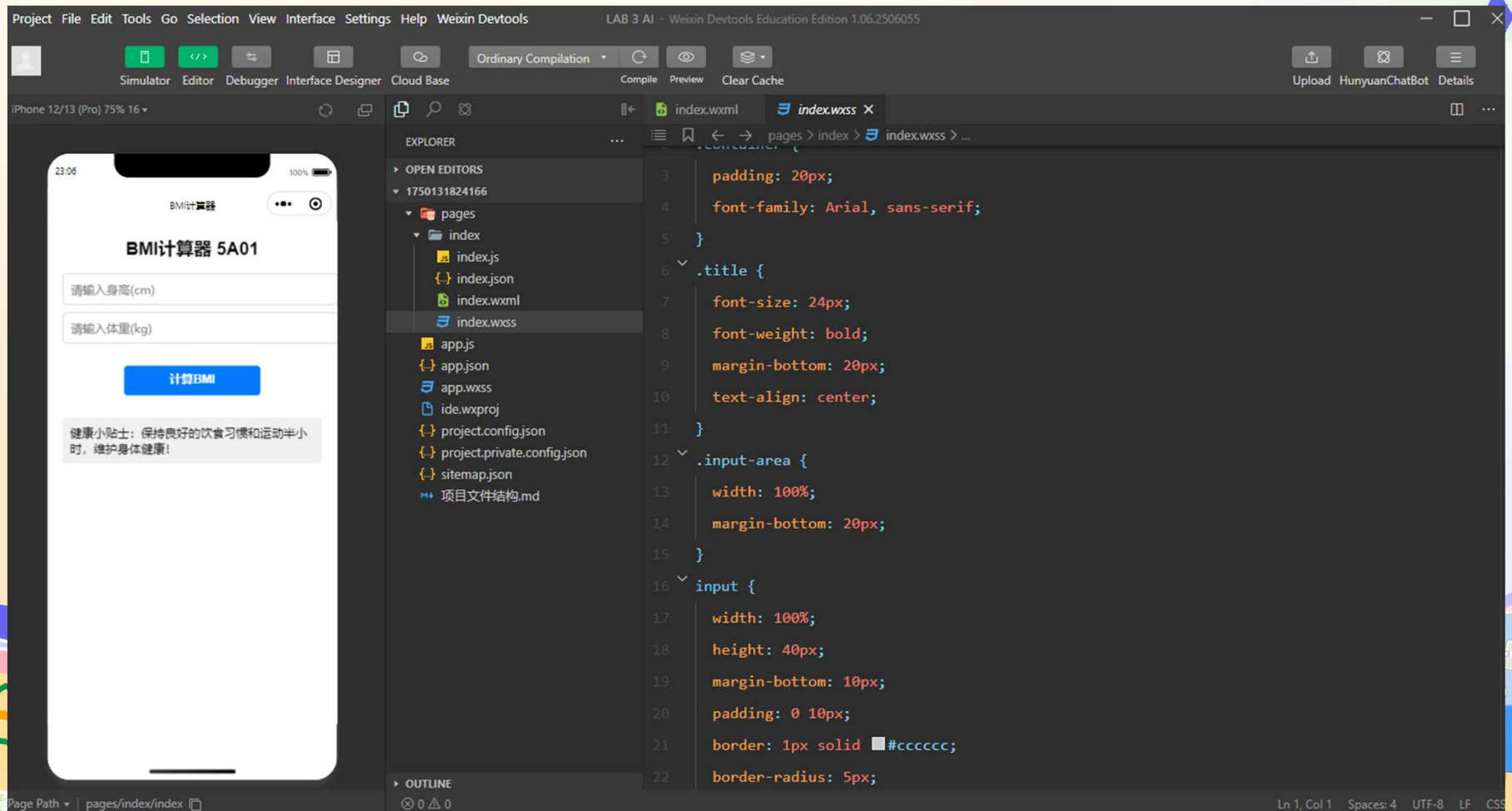
```
1 <!--index.wxml-->
2 <view class="container">
3   <view class="logo-section">
4     <image class="logo-image" src="https://education-cos-1307366133.cos.ap-shanghai.myqcloud.com/PLKNO1/PLKNO1_LOGO.png"></image>
5     <text class="logo-title">image demo</text>
6     <text class="logo-subtitle">科技感图片展示</text>
7   </view>
8 </view>
```

- IN WXML (Weixin Markup Language)

```
<image class="logo-image" src="https://education-cos-1307366133.cos.ap-shanghai.myqcloud.com/PLKNO1/PLKNO1_LOGO.png"></image>
```

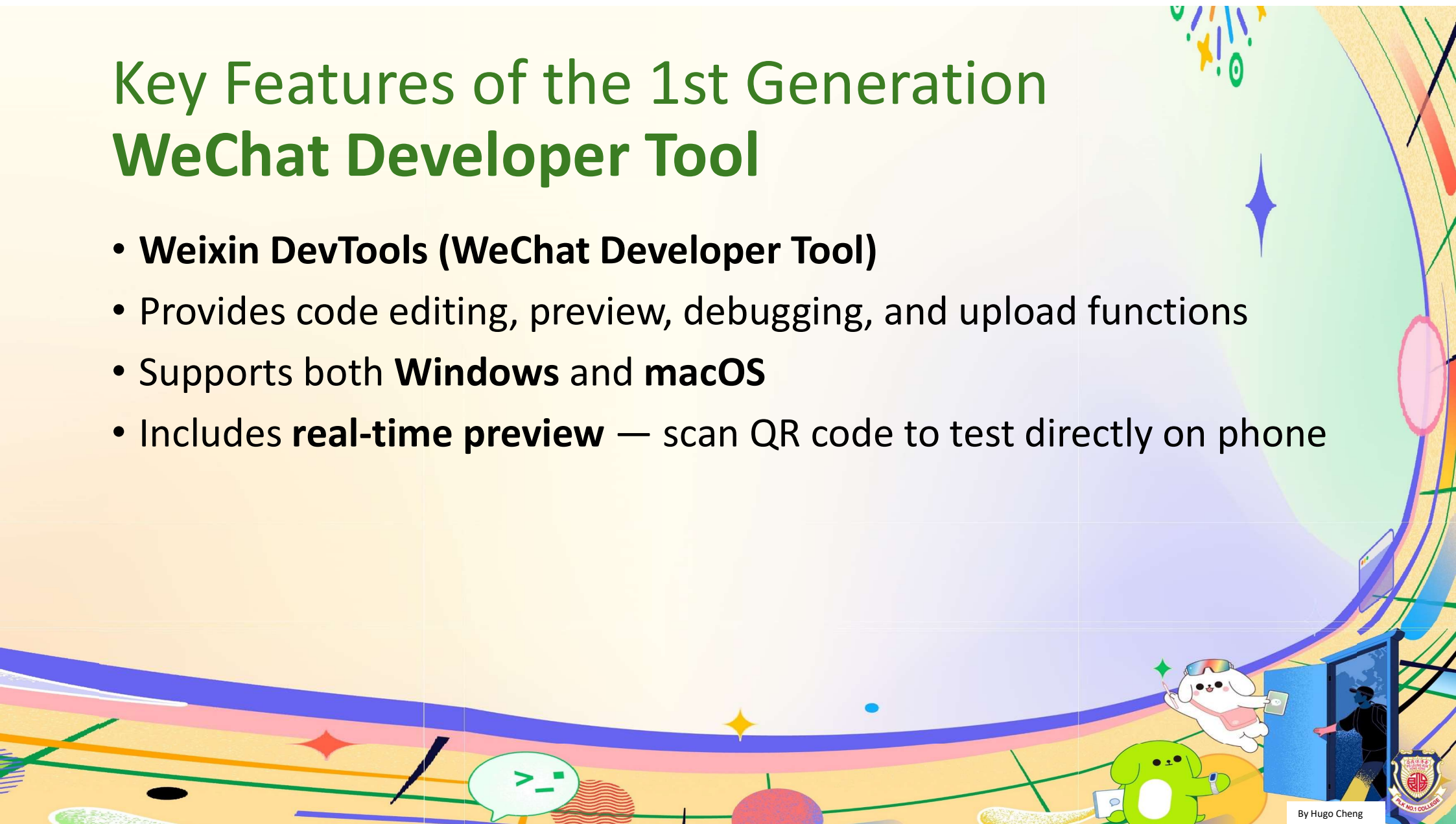
小程序開發平台 (單機版)

Weixin DevTool Education



Key Features of the 1st Generation WeChat Developer Tool

- **Weixin DevTools (WeChat Developer Tool)**
- Provides code editing, preview, debugging, and upload functions
- Supports both **Windows** and **macOS**
- Includes **real-time preview** — scan QR code to test directly on phone



Weixin DevTool Education (6/2/2026)

微信小程序教育平台

赛事活动

教师成长

使用手册

下载工具



去学习

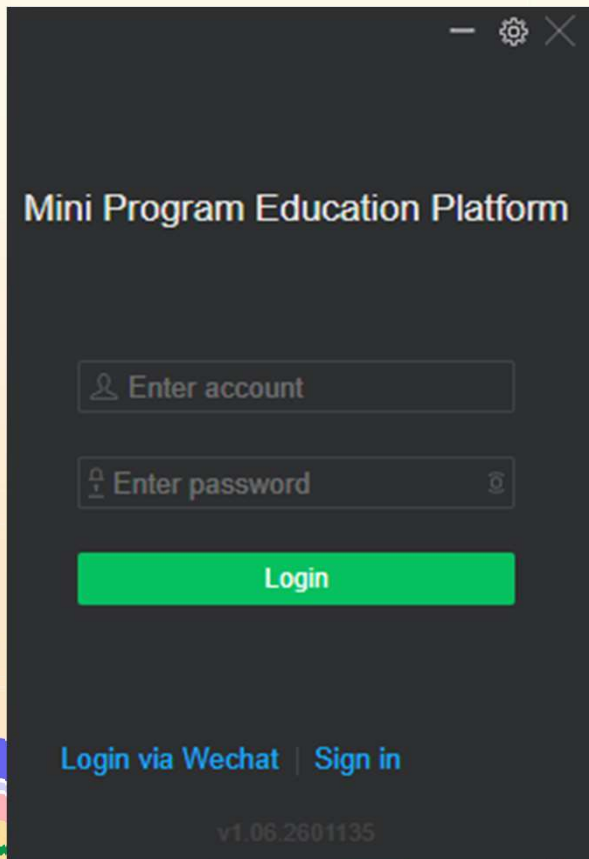


下载教育套件Windows版

1.06.2601135



Weixin DevTool Education (6/2/2026)



Mini Program Education Platform

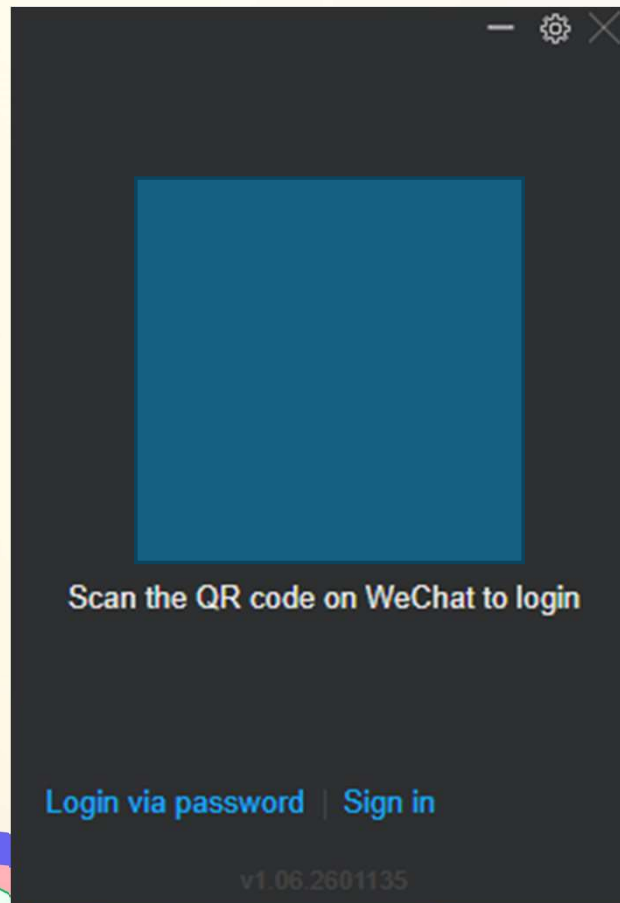
Enter account

Enter password

Login

Login via Wechat | Sign in

v1.06.2601135



Scan the QR code on WeChat to login

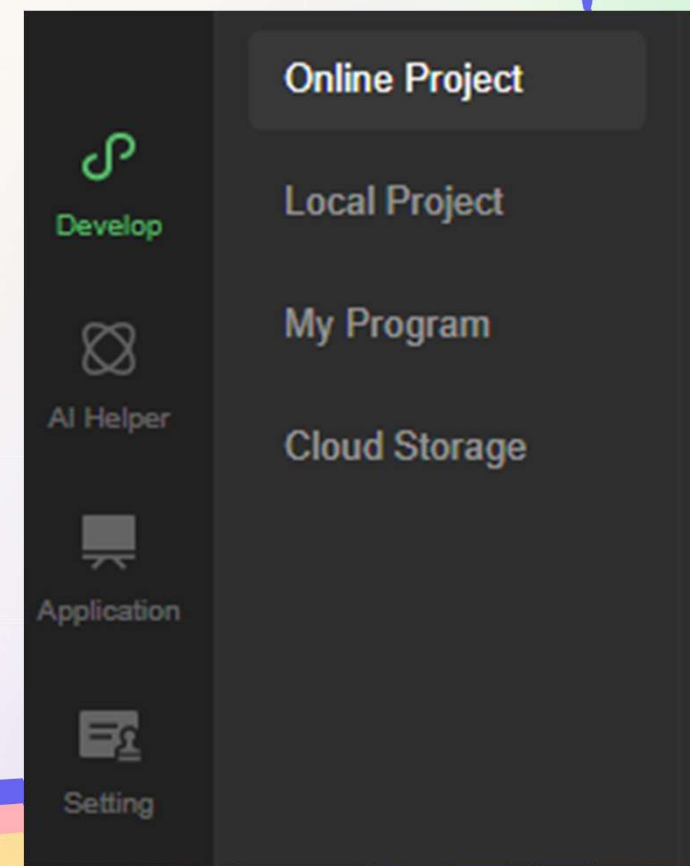
Login via password | Sign in

v1.06.2601135

- Teacher only (QR code)

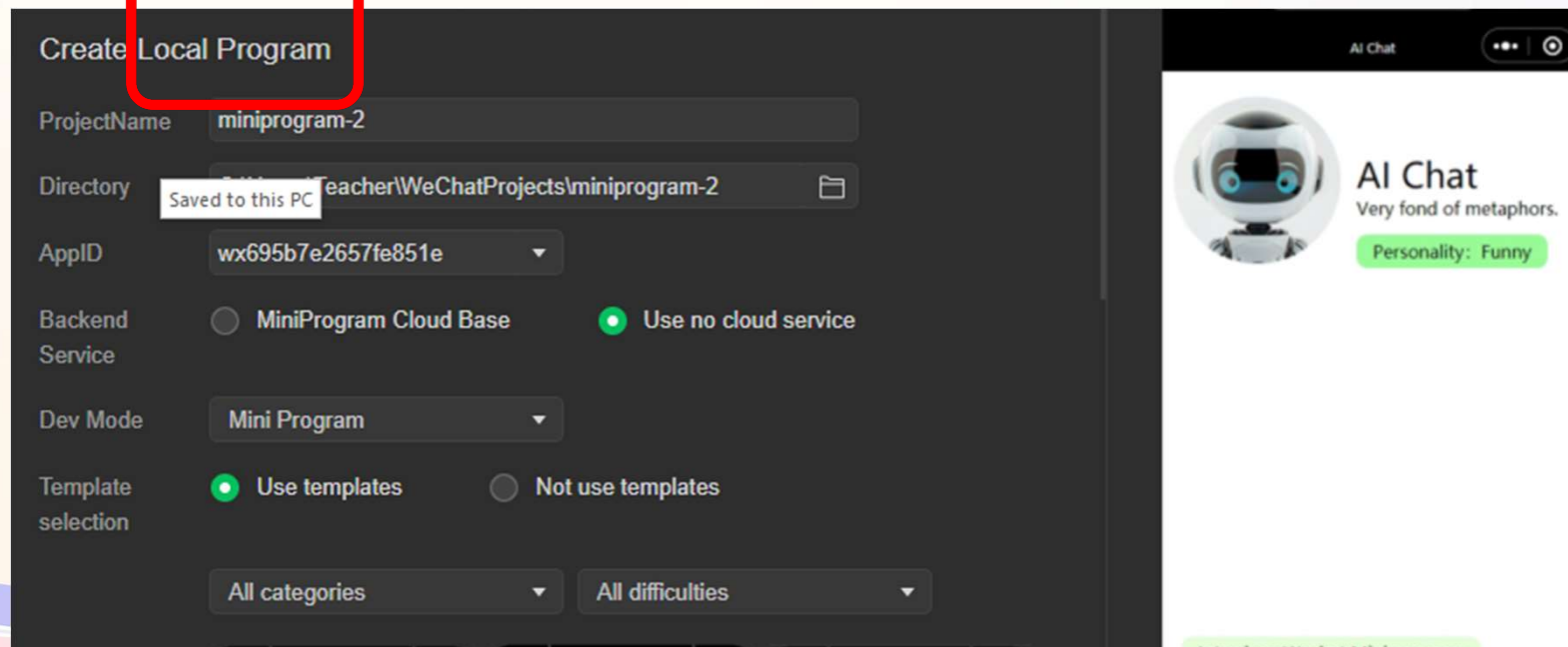
Weixin DevTool Education (6/2/2026)

- Online Project store in the online platform (<https://edu.weixin.qq.com/>)
- Local Project store in this computer

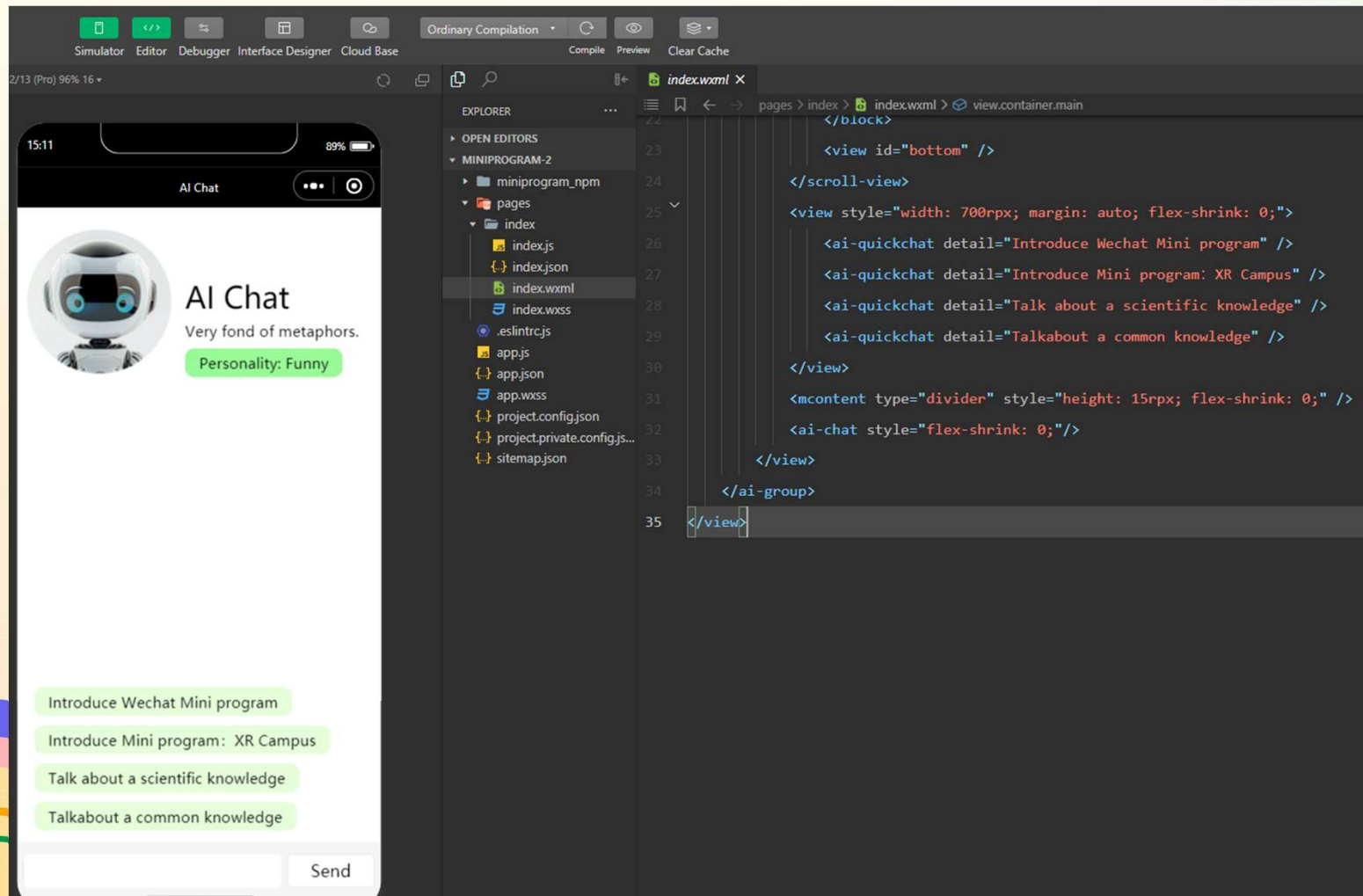


Weixin DevTool Education (6/2/2026)

- Use templates

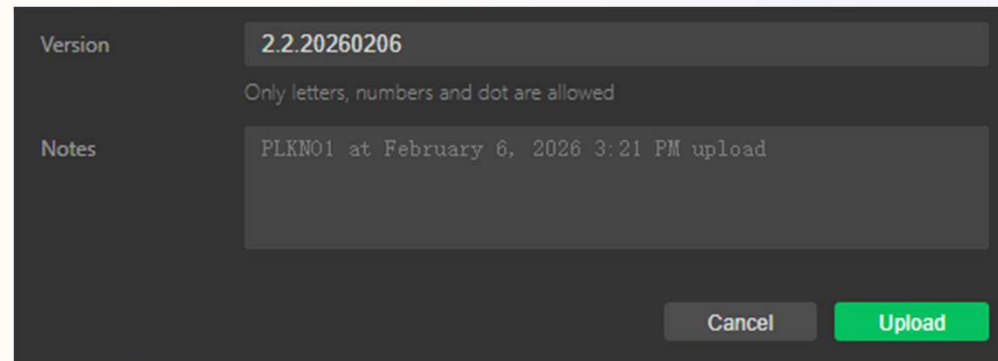
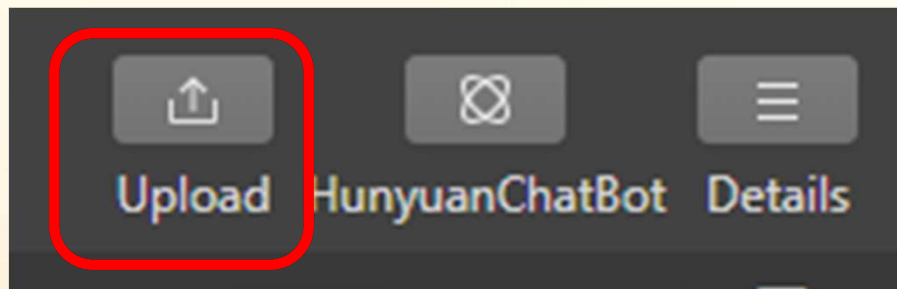


Weixin DevTool Education (6/2/2026)



By Hugo Cheng

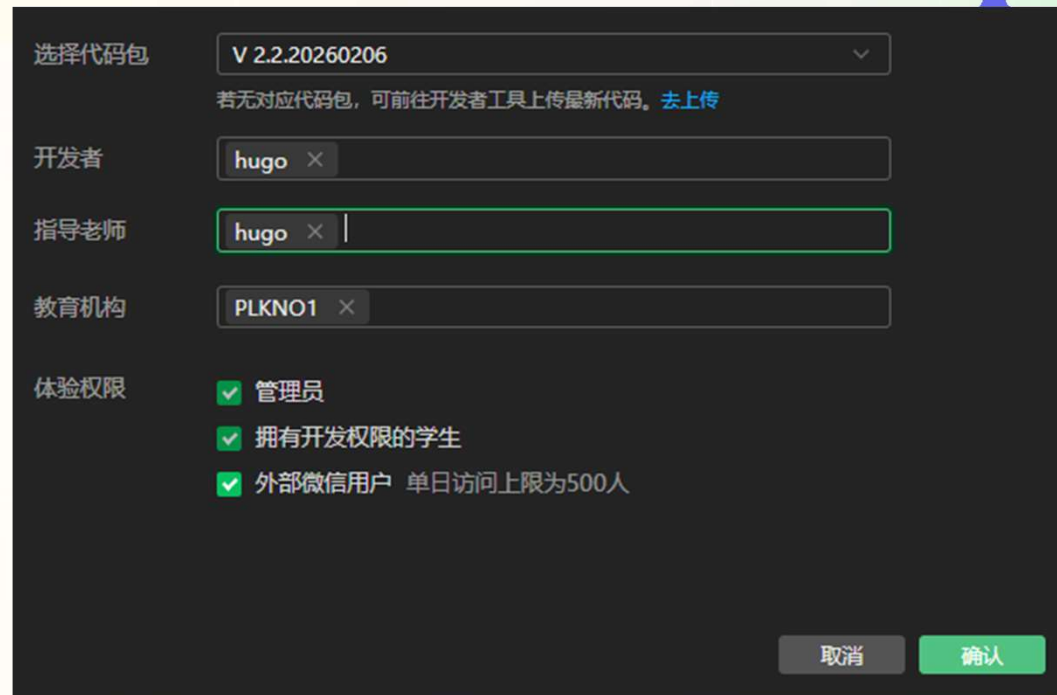
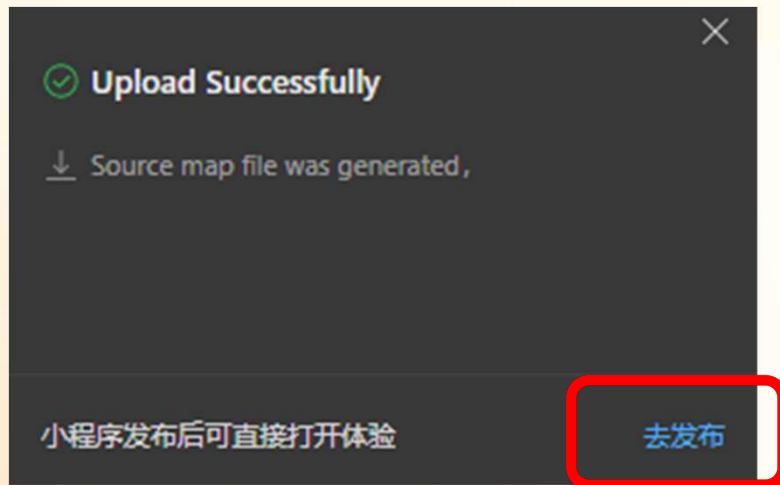
Weixin DevTool Education (6/2/2026)



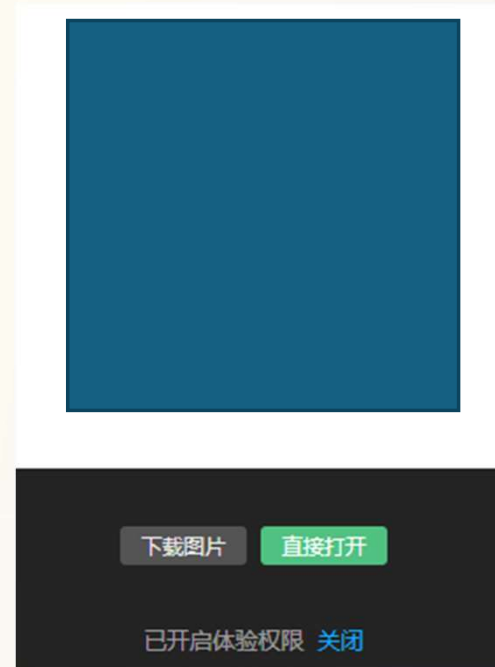
A screenshot of the 'Upload' dialog box in the Weixin DevTool. The dialog has a dark gray background and contains the following fields and buttons:

- Version:** A text input field containing '2.2.20260206'. Below it, a small gray text label reads 'Only letters, numbers and dot are allowed'.
- Notes:** A text input field containing 'PLKN01 at February 6, 2026 3:21 PM upload'.
- Buttons:** At the bottom right, there are two buttons: a gray 'Cancel' button and a green 'Upload' button.

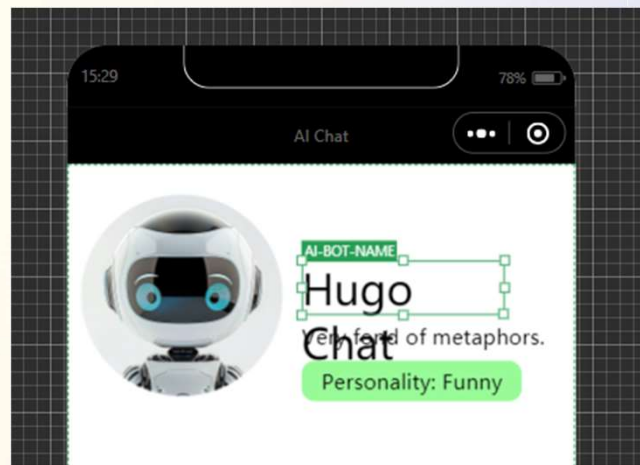
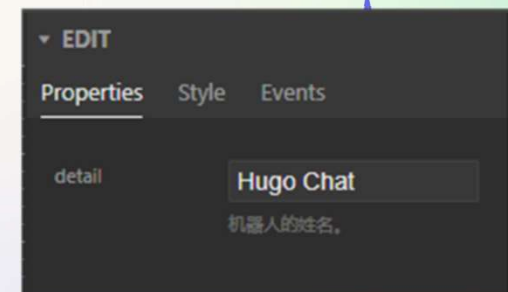
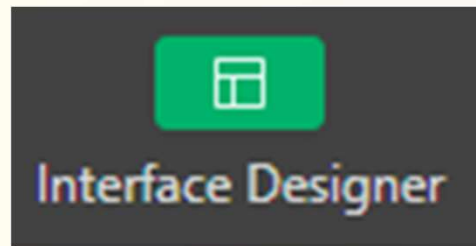
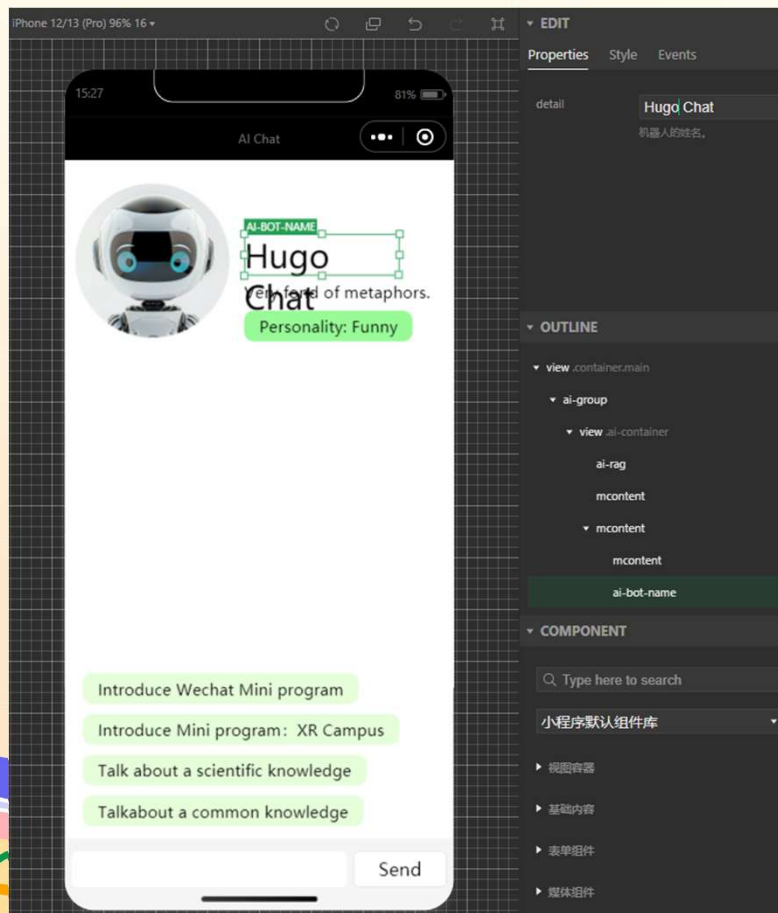
Weixin DevTool Education (6/2/2026)



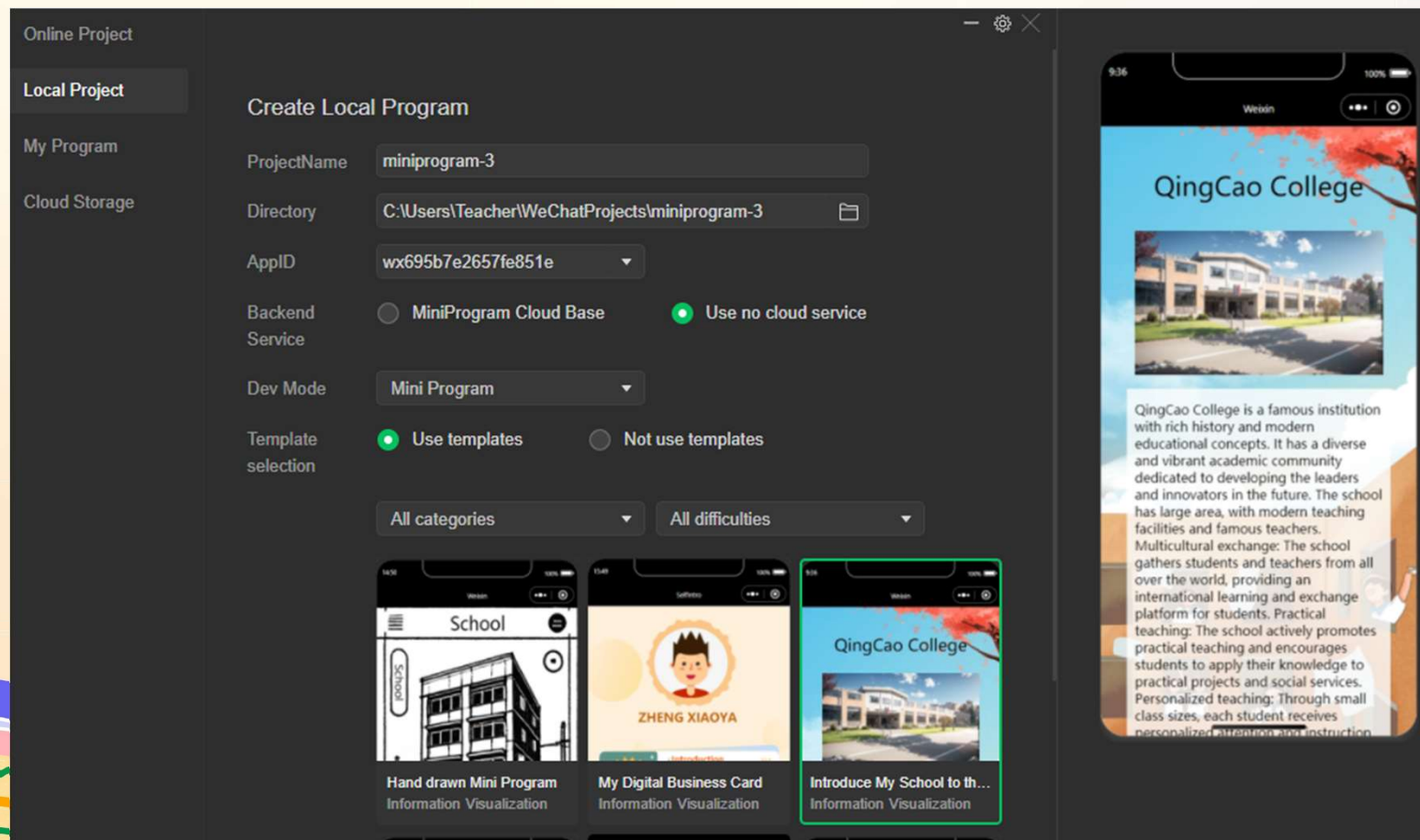
Weixin DevTool Education (6/2/2026)



Visualization tools 可視化工具

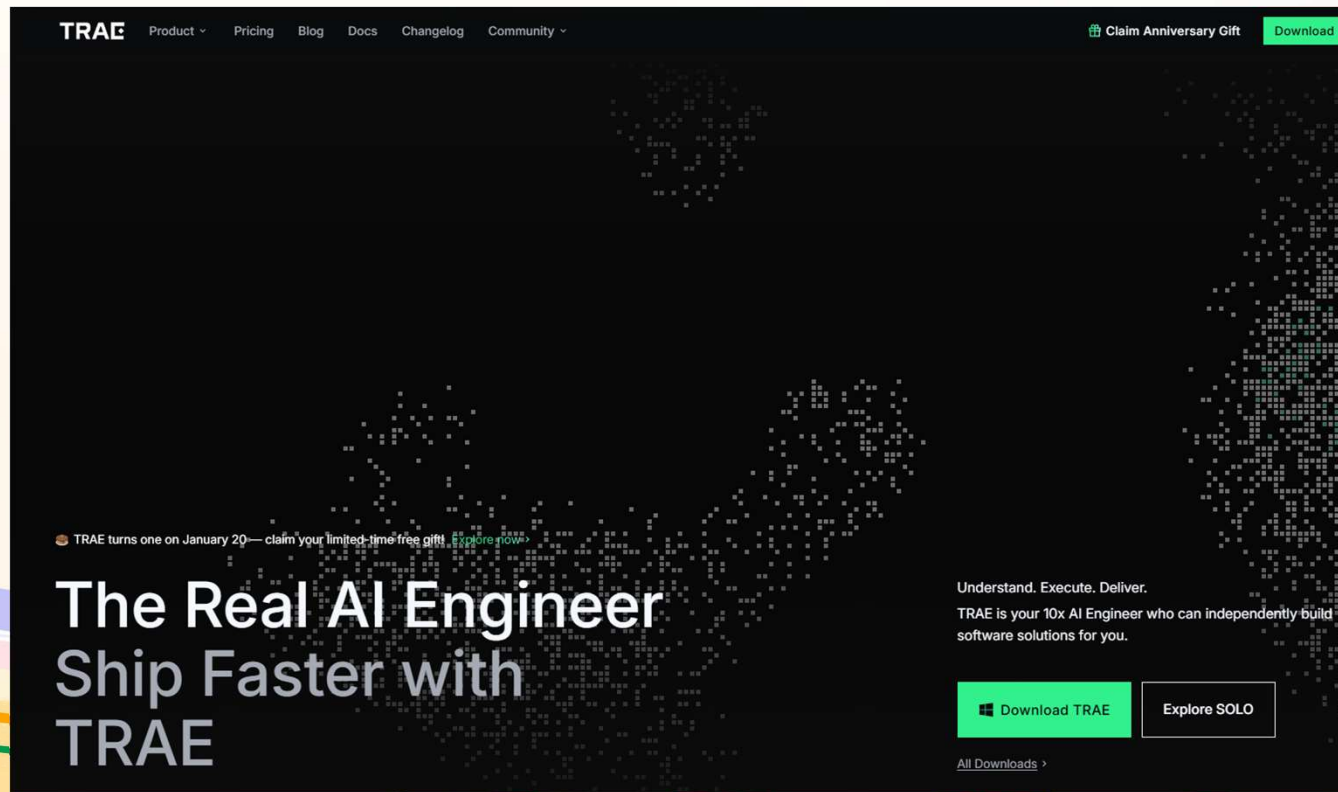


Hand-on (edit Introduce my School)



AI development tool application

- <https://www.trae.ai/>



By Hugo Cheng

Prompt Engineering

- Prompt engineering is the skill of **designing clear and specific instructions** so that the AI produces accurate and useful results.

🔄 Good Prompts = Better Results

✗ Weak Prompt

“Make a quiz.”

“Write code.”

✓ Improved Prompt

“Create a 3-question multiple-choice quiz about music theory, with feedback for each answer.”

“Generate a Mini Program page that calculates BMI, with input fields for height (cm) and weight (kg).”

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Prompt Engineering

Goal: Create a five-page WeChat Mini-Program introducing the *Chongyang Festival* (Double Ninth Festival) with educational, interactive, and creative elements.

Target users: Hong Kong secondary school students learning Chinese culture and coding.

Style: Simple, colourful, and child-friendly interface with clear Chinese and English text.

🧠 Structure Requirements

1. "Page 1 – Festival Info"

- "Display a title: "重陽節 Chongyang Festival (Double Ninth Festival)""
- "Include sections for:"
 - "Date: the 9th day of the 9th lunar month"
 - "History: originated from ancient Taoist culture; "double yang" symbolises longevity"
 - "Activities: mountain climbing, chrysanthemum viewing, drinking chrysanthemum wine, eating Chongyang cake"
 - "Moral theme: respect and care for the elderly"
- "Use one image (e.g. chrysanthemum or mountain view)."

2. "Page 2 – Quiz (3 Multiple-Choice Questions)"

- "Question 1: When is the Chongyang Festival celebrated in the lunar calendar?
Options: A) Aug 15 B) Sep 9 C) Oct 1 D) Jul 7
→ Correct answer: B"
- "Question 2: Which activity is traditional on this day?
Options: A) Eat mooncakes B) Climb mountains C) Burn incense D) Watch fireworks
→ Correct answer: B"
- "Question 3: Which flower symbolises longevity during the festival?
Options: A) Rose B) Chrysanthemum C) Orchid D) Lily
→ Correct answer: B"
- "Show instant feedback (✓/✗) and final score."

3. "Page 3 – Mini-Game: "Climb to the Top!""

- "Simple click-to-climb or swipe game where the player moves a small figure upward on a mountain."
- "Each successful climb step = +1 score."
- "Game ends after 20 seconds; show "Happy Chongyang!" message."

4. "Page 4 – Creative Page"

- "Allow users to input or draw something artistic related to Chongyang (e.g. a poem, pixel art of chrysanthemums, or wishes for elders)."
- "Provide a text box: "Write your blessing message for grandparents here!""
- "Encourage creativity and expression."

5. "Page 5 – Leaderboard"

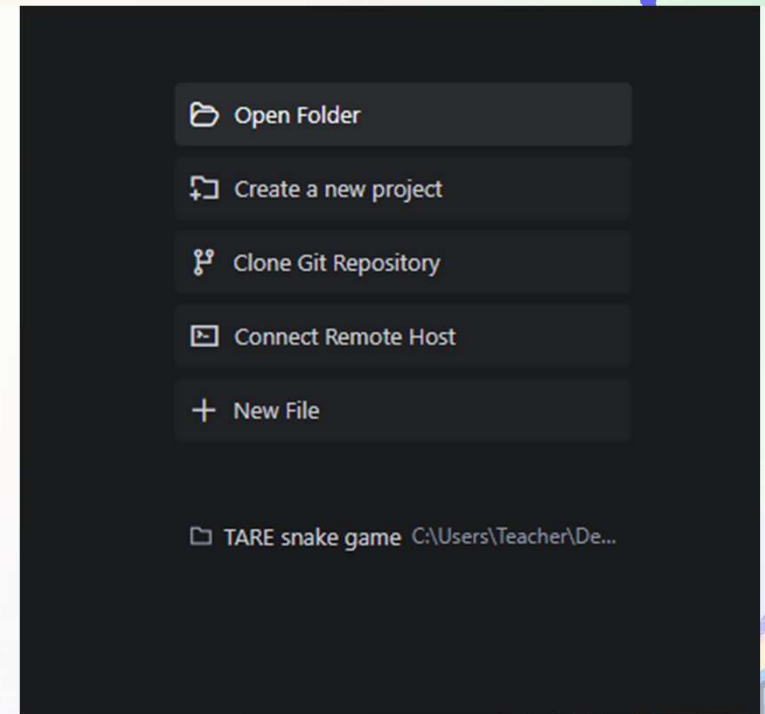
- "Display usernames and total scores (combined quiz + game)."
- "Example display: Rank, Name, Score."
- "Encourage friendly competition."

AI development tool application

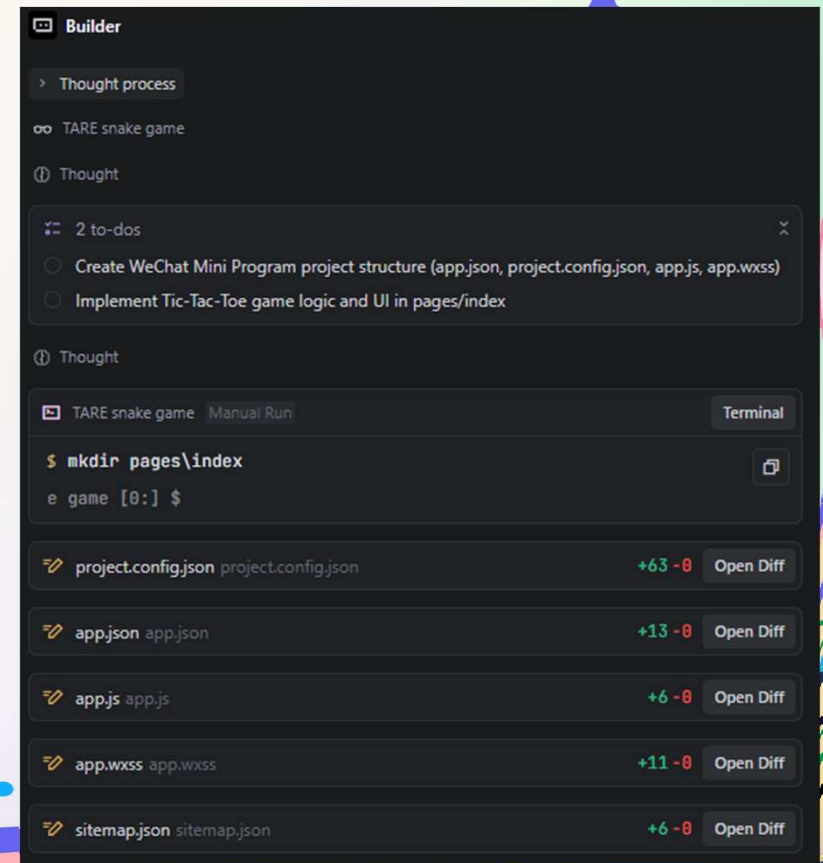
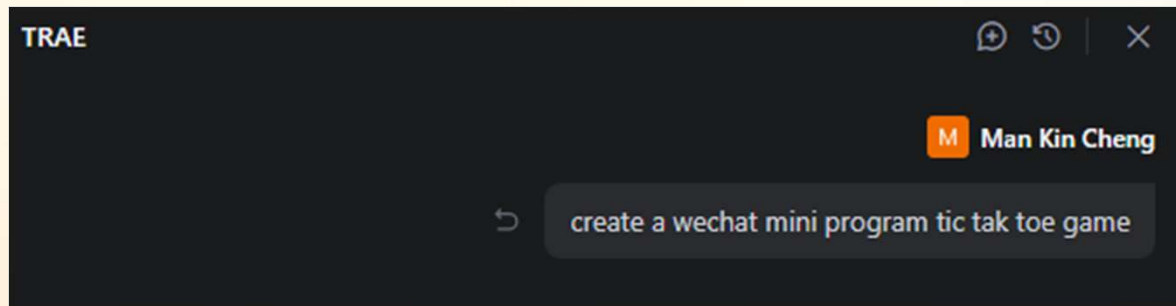
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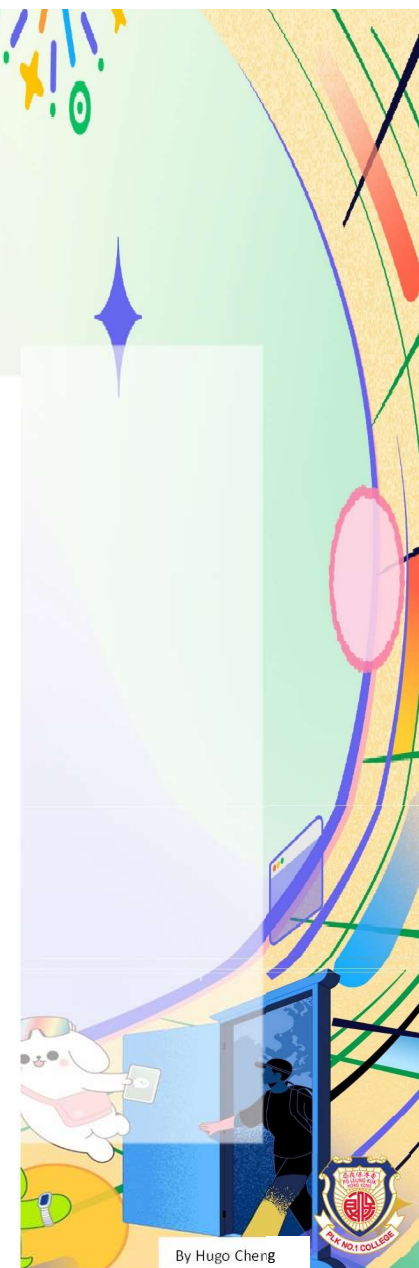
you need to upload it to online platform later



AI development tool application



upload files to online platform



upload files to online platform

Upload 9 files to this site?

This will upload all files from "TARE snake game". Only do this if you trust the site.

Upload

Cancel

导入项目

项目名称

TARE snake game

AppID

PLKNO1的小程序-11

取消

创建

AI development tool application



Competition

微信小程序教育平台

小程序，学以致用

观察、思考、创造、改变

赛事活动 教师成长 使用手册 下载工具

「心繫家國」—編碼尋根·文化傳承—微信小程序設計比賽 进行中

广州市海珠区首届微信小程序AI创新挑战赛 进行中

广东省青少年科技创客大赛“微信小程序AI创新挑战赛” 进行中

第三届青少年人工智能与未来媒体综合实践征集活动 已结束

微信小程序全球創新挑戰賽香港區域賽 已结束

微信小程序全球创新挑战赛上海区域赛 已结束

微信小程序全球创新挑战赛 已结束

广东省AI科普+创意与应用大赛 已结束

微信小程序全球創新挑戰賽澳門區域賽 已结束

Road to EcoCity - 綠色科創校園先鋒評選 已结束

双城青少年编程创新赛 已结束



Teacher Network (you'll never walk alone)

Vision

- A supportive community where educators collaborate, share ideas, and grow together.

Purpose

- Connect teachers across different subjects, levels, and schools.
- Encourage peer sharing, mentorship, and emotional support.

Key Features

- Periodic sharing sessions and micro-workshops.
- Ongoing training for new features, tools, and teaching innovations.



By Hugo Cheng

