1. **ESP32 Breathing Light: Bringing Life to LED with AI.***Students must write a complete PRD for controlling LED breathing rhythm, understanding I/O, constraints, and acceptance criteria.*

| **Section** | **Description** |
| --- | --- |
| **💬 Prompt Writing Area** | *🧭 Product Goal, 🔌 I/O Definition, ⚙️ Constraints, ✅ Acceptance Criteria* |
| **🔁 Feedback & Revision** | *When the AI output is incorrect, students must describe how they would revise the prompt.* |

**Vibe coding Processing:**

Print-screen or export link of AI tools(截圖或匯出連結)

Remark of prompt iteration:

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Remark of AI output | Testing Result | Remark of improvement |
| V1 |  |  |  |
| V2 |  |  |  |

1. **ESP32 Traffic Light**

| **Section** | **Description** |
| --- | --- |
| **💬 Prompt Writing Area** | *🧭 Product Goal, 🔌 I/O Definition, ⚙️ Constraints, ✅ Acceptance Criteria* |
| **🔁 Feedback & Revision** | *When the AI output is incorrect, students must describe how they would revise the prompt.* |

**Vibe coding Processing:**

Print-screen or export link of AI tools(截圖或匯出連結)

Remark of prompt iteration:

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Remark of AI output | Testing Result | Remark of improvement |
| V1 |  |  |  |
| V2 |  |  |  |

1. **ESP32 answer machine**

| **Section** | **Description** |
| --- | --- |
| **💬 Prompt Writing Area** | *🧭 Product Goal, 🔌 I/O Definition, ⚙️ Constraints, ✅ Acceptance Criteria* |
| **🔁 Feedback & Revision** | *When the AI output is incorrect, students must describe how they would revise the prompt.* |

**Vibe coding Processing:**

Print-screen or export link of AI tools(截圖或匯出連結)

Remark of prompt iteration:

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Remark of AI output | Testing Result | Remark of improvement |
| V1 |  |  |  |
| V2 |  |  |  |