

Design

# Design-framework

- Game Flow
  - Location of the five elements
  - Solve puzzles in the five elements scenes
  - Collect herbs corresponding to the five elements

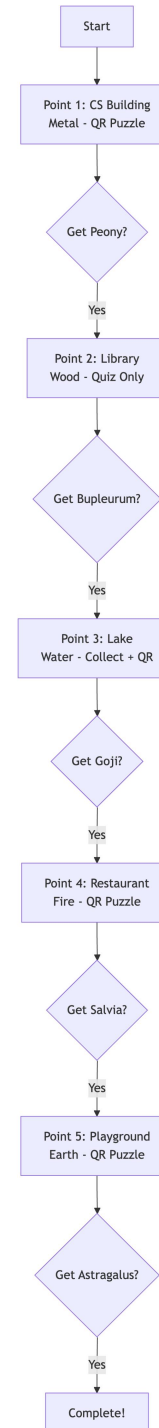
# Design-framework

- Project Decision Tree Code

```
graph TD
  A[Start] --> B[Point 1: CS Building<br>Metal - QR Puzzle]
  B --> C{Get Peony?}
  C -->|Yes| D[Point 2: Library<br>Wood - Quiz Only]
  D --> E{Get Bupleurum?}
  E -->|Yes| F[Point 3: Lake<br>Water - Collect + QR]
  F --> G{Get Goji?}
  G -->|Yes| H[Point 4: Restaurant<br>Fire - QR Puzzle]
  H --> I{Get Salvia?}
  I -->|Yes| J[Point 5: Playground<br>Earth - QR Puzzle]
  J --> K{Get Astragalus?}
  K -->|Yes| L[Complete!]
```

# Design-framework

- simple flow chart



# Design-positioning design

Five Elements	Location in jubilee campus	puzzle format	Props-herb	organs
Metal	Point 1-Computer Science Building	scan the QR code	Peony	lung
Wood	Point 2-Djanogly Learning Resource Center	click the URL	Bupleurum	liver
Water	Point 3-Lake	QR	Goji	kidney
Fire	Point 4- The Atrium Restaurant	QR	Salvia	heart
Earth	Point 5-Sports Center Playground	QR	Astragalus	spleen

# Design-hints design

- **Point 1**

Once you find the location, enter the cs building and find a QR code at the reception desk.

Scan the QR code to enter the puzzle game, pass it and go to the next point!

- **Point 2**

Please complete the quiz to pass the level and move on to the next point. :)

- **Point 3**

Along the river tiles, after collecting three goji berries, the guide will give a puzzle QR code, scan it to enter the solution interface, pass it and go to the next point. :)

- **Point 4**

Please find a piece of paper with a QR code printed on it on the dining table and scan it to access the solution; after clearing the level, proceed to the next location.

- **Point 5**

Find a piece of paper with a QR code in the grass and scan it to access the solution. :)

# Design-puzzle design

- Two types of questions
  - Output the correct order of the letters of the words corresponding to the five herbs in a disrupted sequence
    - Two presentation formats
      - Scan the QR code to enter the webpage to answer the questions
      - Click directly into the link to access the answer (single-selection question)
  - Calculate 24 points

# Design-basic technology

## Technology Stack Table

Purpose	Tool/Technology	Website
GPS Geofencing Design	Action Bound	<a href="https://en.actionbound.com/">https://en.actionbound.com/</a>
Puzzle Web Development	HTML (VS Code)	<a href="https://code.visualstudio.com/">https://code.visualstudio.com/</a>
Web Deployment	<a href="#">Netlify</a> Drop	<a href="https://app.netlify.com/drop">https://app.netlify.com/drop</a>
QR Code Generation	QR Code Generator	<a href="https://www.qr-code-generator.com/">https://www.qr-code-generator.com/</a>



# Design-Core concepts of the design

- Linking the location of the performance with the virtual content.
- The game enhances the experience of exploring locations through geo-fencing, allowing players to physically reach real-world sites to solve puzzles.
- Clues and hints further enrich the gameplay, making the player feel more engaging and enjoyable.