Game Loop Document

EGD 220-05 Team 2 Sprint 1
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Overview

     The objective of Mapmaker's Guide to Hawai'i is to correctly put together all of the regional puzzle pieces of Hawai'i's islands. This is done by dragging and dropping the pieces onto their obvious resting places. When a region is placed in it's correct location, the player is given a short fact about the culture and/or tradition of that area, as well as what it might be known for. Once the entire island is completed, the player is congratulated and given a fact about the entire island, for example what it might be known for or how it differs from the other islands. At this stage, the player is also given the freedom to go back and look at all the regional and island-scale facts they learned throughout the gameplay.

     A second, tougher gamemode was discussed of potentially making it into the game. In this gamemode, the player will have to match the facts they learned to each region, sort of like a quiz on how much they know. This gamemode is only playable after an island is fully completed. It follows the same general mechanics as the first gamemode, except there is no risk/reward. It is purely for testing ones knowledge.

Flowchart on next page.

```
Start Game → Drag regions to map → Correct placement?
                    ↑                      │
                    └──────No──────────────┘
                                           │ Yes
                                           ↓
                              Region placed and relevant fact is given ──Yes──┐
                                           │                                   │
                                           ↓                                   │
                                    Island still missing regions? ────────────┘
                                           │
                                           │ No
                                           ↓
                              Island complete, zooms out for island fact
                                           │
                                           ↓
                                      Game End
```

Start Game

Drag regions to map

Correct placement?

No

Yes

Region placed and relevant fact is given

Yes

Island still missing regions?

No

Island complete, zooms out for island fact

Game End