



Background

- Childhood Obesity rates are increasing
- Children lack the knowledge for living a healthy lifestyle
- Children are less active now than in previous years

We are working with Professor Samantha Davis, a professor in TCU's Nutrition Department, to create a mobile game that will help educate children on topics like nutrition and physical activity.

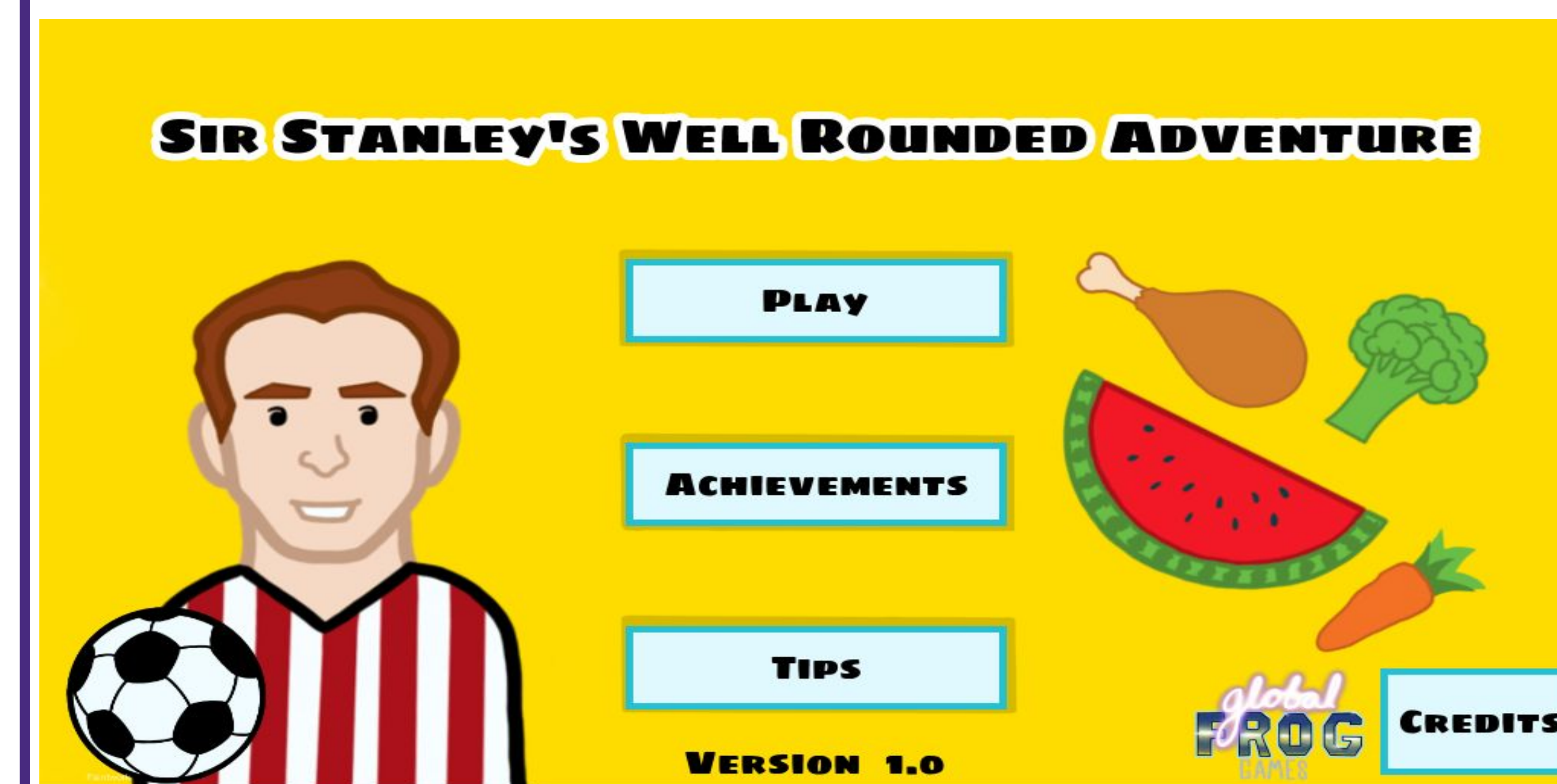
Our Goal

- **Educate** children about nutrition and physical activity
- Make an **entertaining** mobile game for kids around the ages 6-11
- **Encourage** kids to get active and to make well informed choices with their nutrition

Initial Solutions

- Food and activity tracking app - players would get points for tracking their healthy food decisions and physical activity
- A game similar to Pokemon-Go - players would collect healthy foods and vegetables like Pokemon
- An RPG (role-playing game) - players would focus on doing quests for various characters with lots of story and dialog.

Title Screen



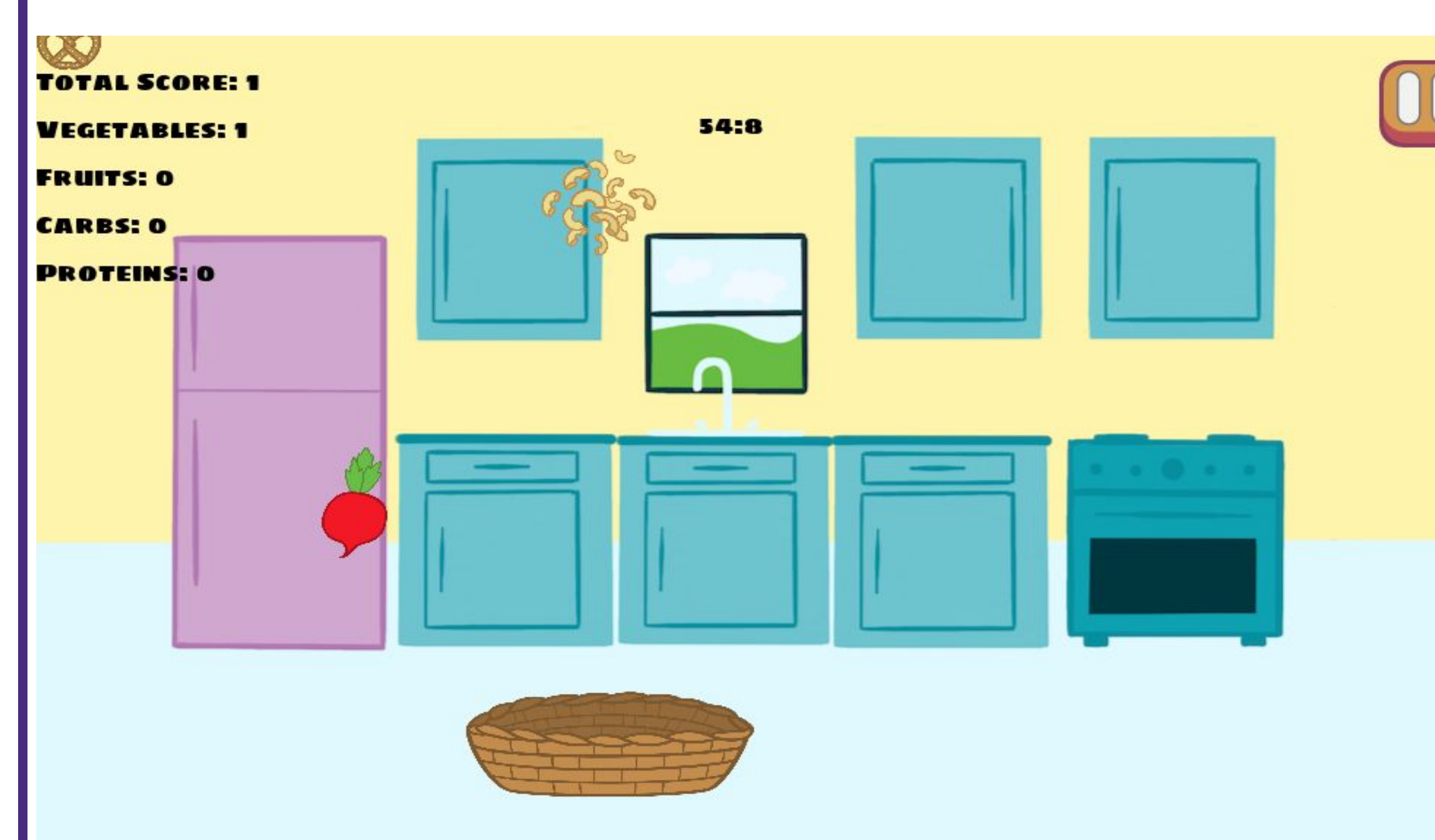
Map Screen



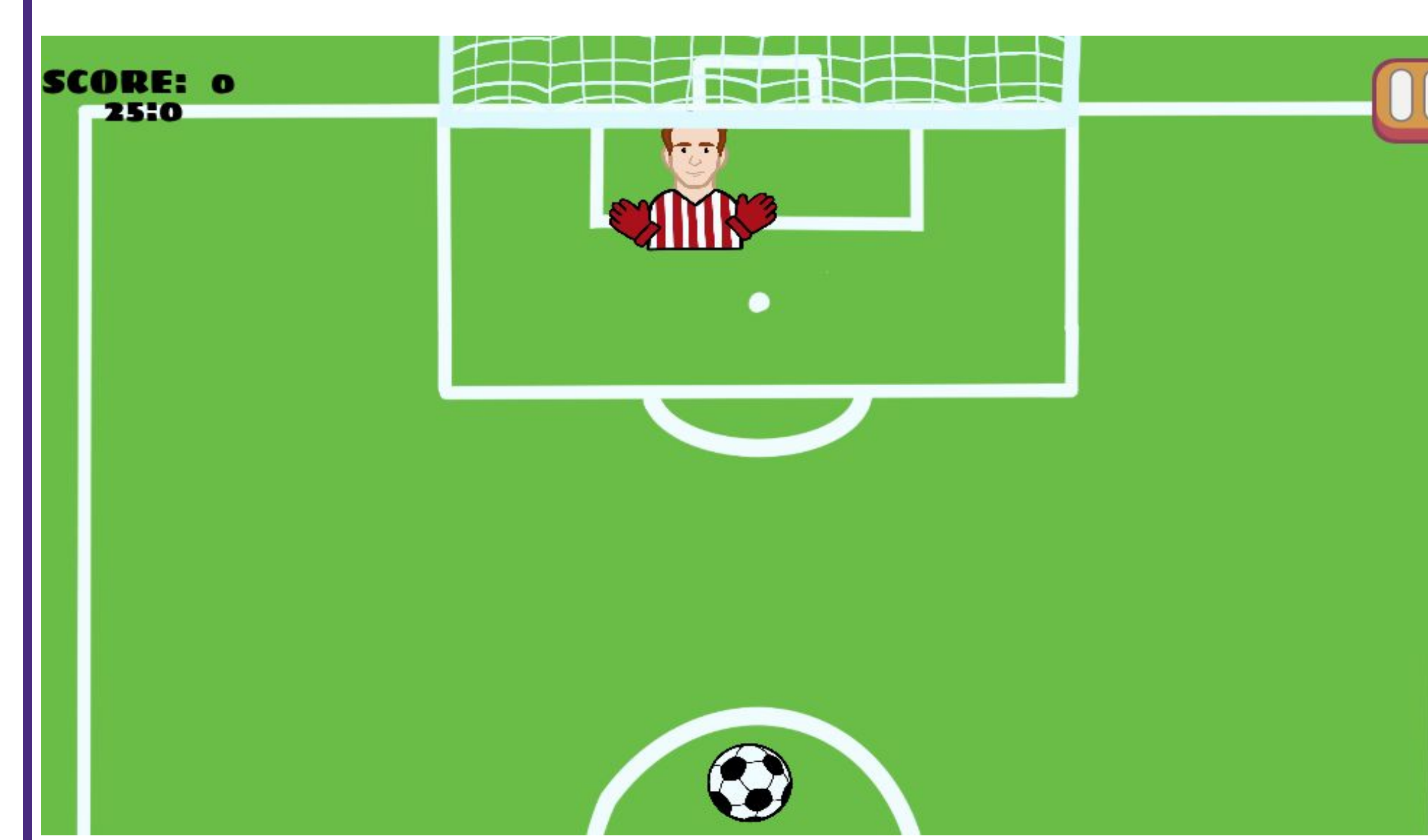
Our Solution

- Game of minigames
- Each minigame focuses on a topic relating to nutrition or physical activity
- Each minigame includes a tutorial that will explain how to play and some facts about the topic it relates to
- Achievement system will motivate players to play the minigames more than once to help reinforce the information
- Tips system will include more in-depth information about the topics (provided by the Nutrition Department)

Falling Food



Goalie Shootout



Technologies

- Godot and GDScript - Game engine and it's native programming language.
 - Good for cross platform development
- JSON - JSON files are used to save data like the highscores and achievements
- Procreate for iPad - Art
- Github, Slack, and Zoom for collaboration

Stan's Snacks



Description

- **Title Screen** - The first screen that the player sees when they launch the game.
- **Map Screen** - The screen displayed when the player presses "Play". This includes navigation buttons to the various minigames.
- **Falling Food** - A minigame about eating balanced meals.
- **Goalie Shootout** - A minigame about physical activity
- **Stan's Snacks** - A minigame about food groups.

References

Godot: <https://godotengine.org/>
Procreate: <https://procreate.art/ipad>

Acknowledgements

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