

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Switch Alignment Mobile Game

The Capstone Experience

Team Union Pacific

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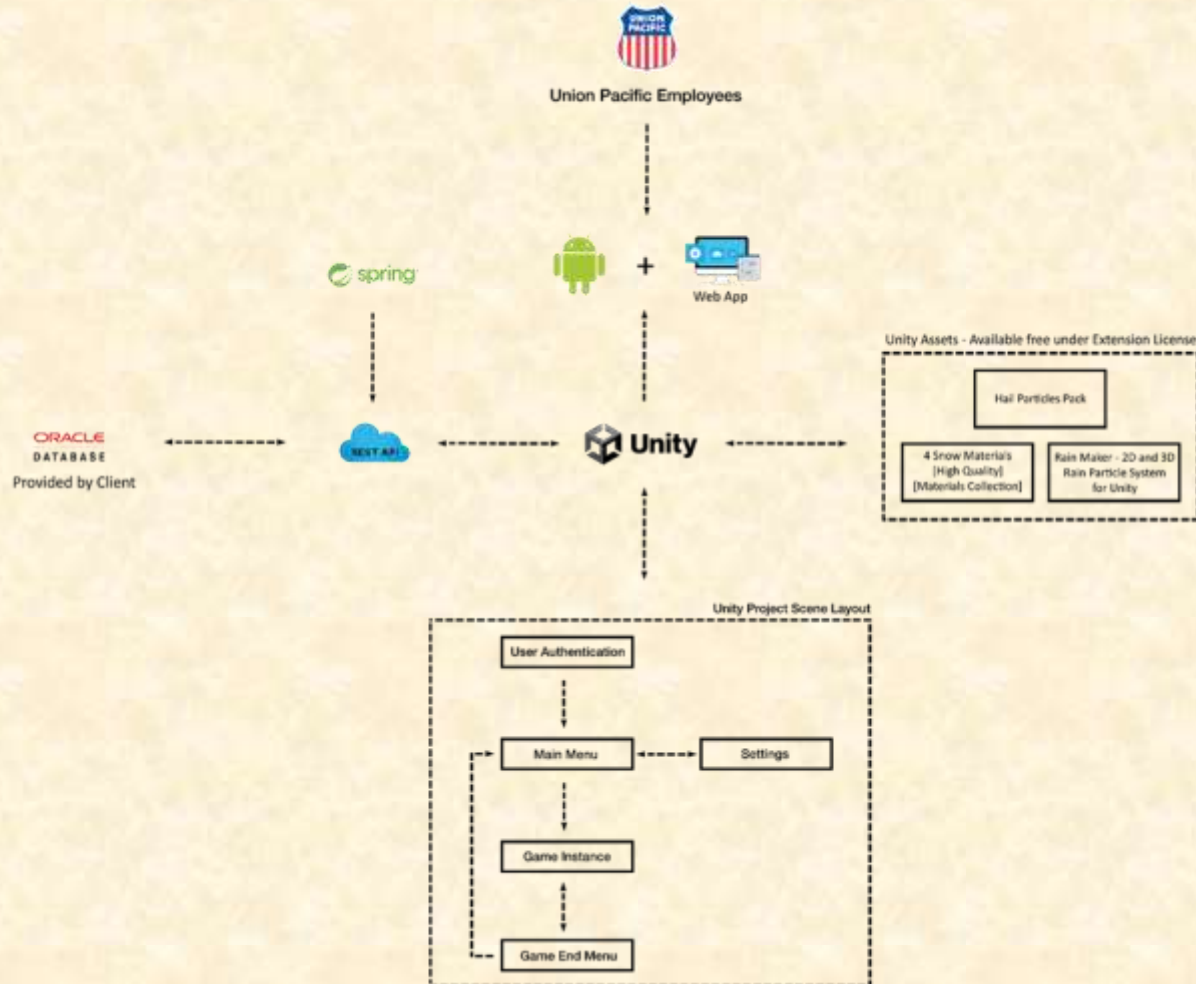
*From Students...
...to Professionals*

Project Overview

- A game to train Union Pacific employees to identify different switch alignments.
- Designed for Android and browser platforms with first-person view and realistic simulations.
- Infinite runner style with scoring feature and leaderboard.
- Include various challenging conditions such as nighttime and snowy weather.



System Architecture



Morning Gameplay



Night Gameplay



Snow Environment Gameplay



Pause Menu



What's left to do?

- Features
- Stretch Goals
 - Practice mode: personalize weather/speed in settings.
 - Practice mode: personalize switch types in settings.
 - Add more scenery.
- Other Tasks
 - Clean UI.
 - Adjust terrain generation.
 - Adjust the camera angle.
 - Increase the speed over time.
 - Blur the screen while paused.



Questions?

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