MICHIGAN STATE
UNIVERSITY

Alpha Presentation
Railroad Arcade

The Capstone Experience

Team Union Pacific

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Matthew Howard

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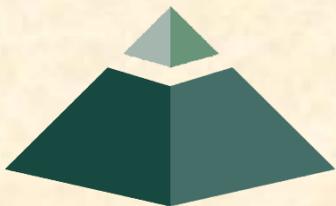Margaret Wootten

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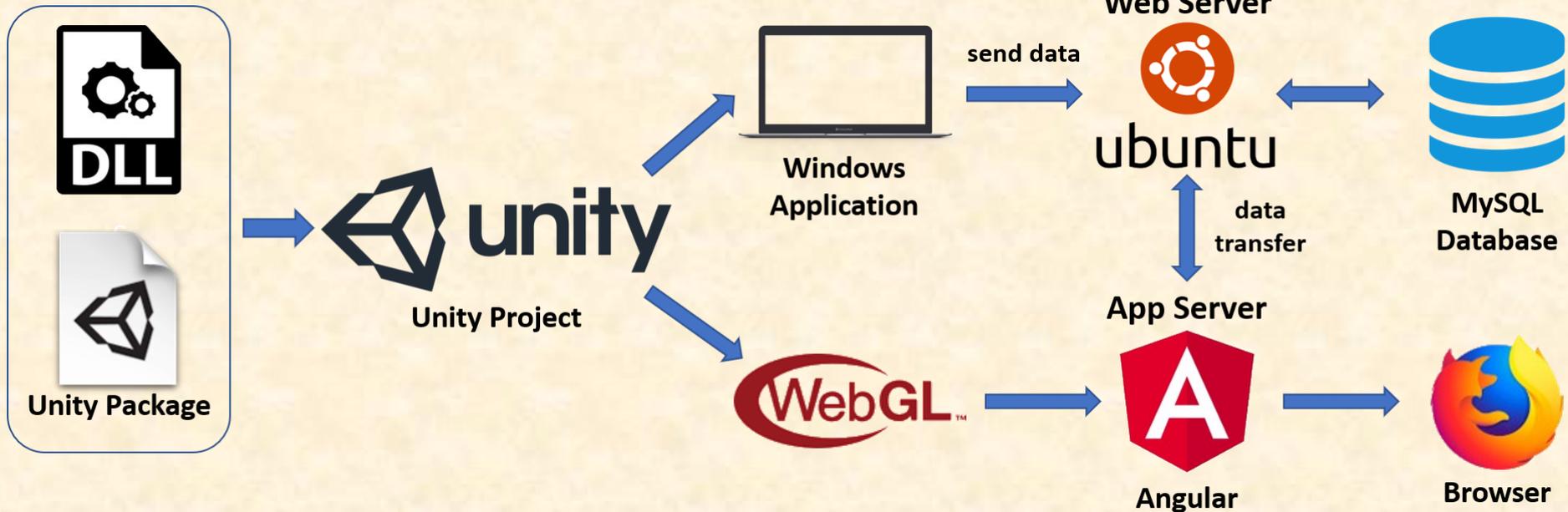Michigan State University
Spring 2019

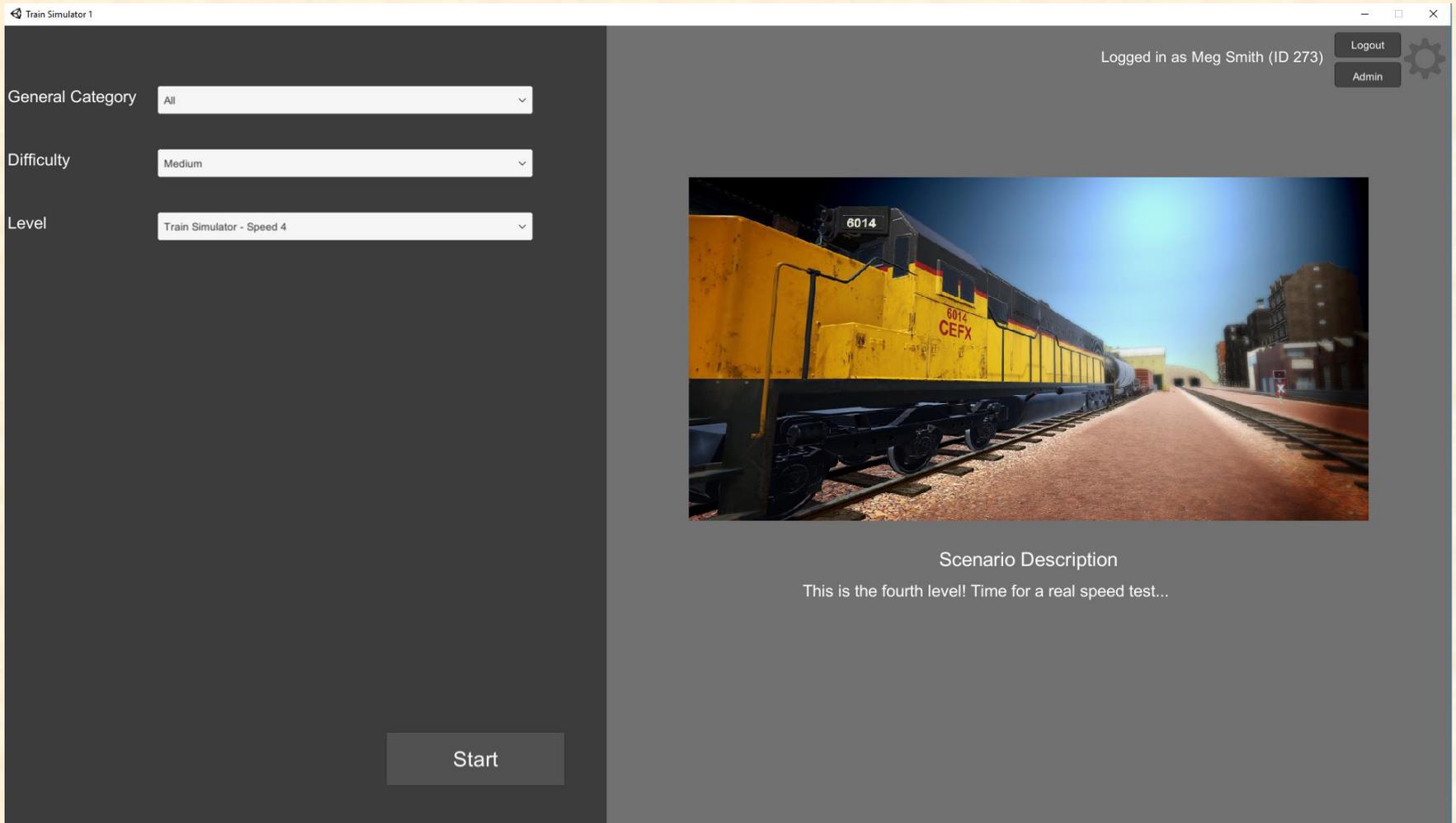*From Students…*
…to Professionals

Project Overview

- Build reusable components to reduce game development time
  - Main Menu, Scoring, Login, PDF Generation
  - Different configurations for each
- Simulations available on Windows PC and Web
  - Developed as local application
  - Simplified upload process to web
- Create three or more games to demonstrate reusability and functionality
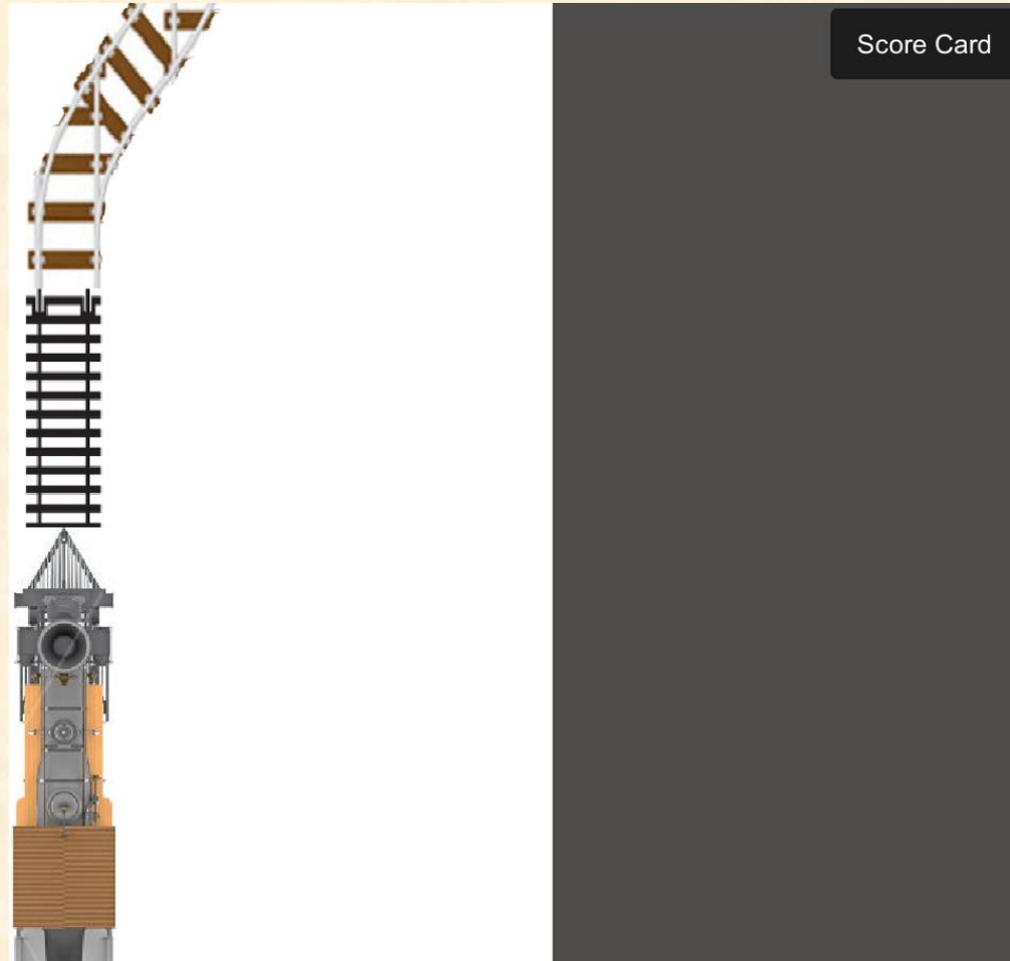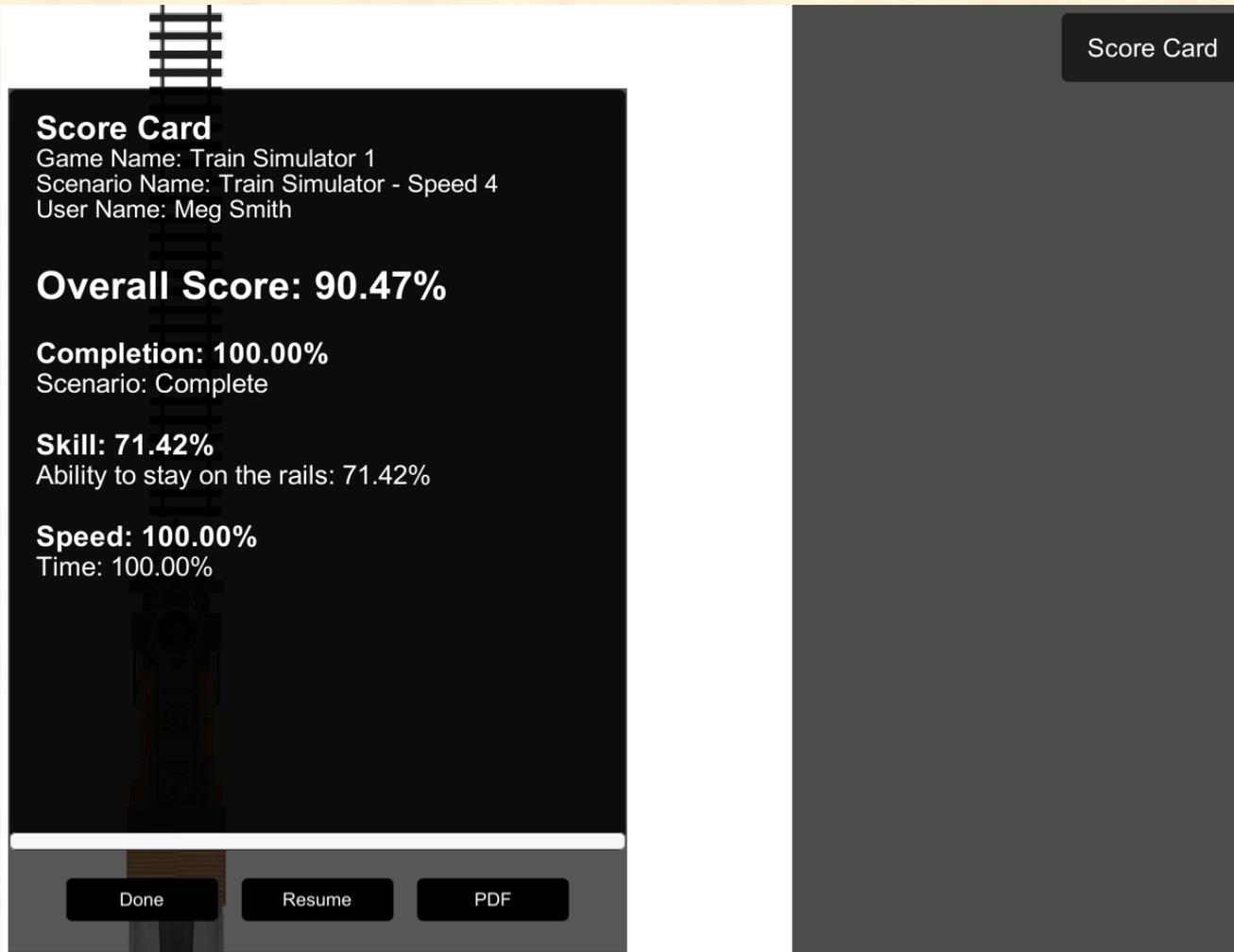
System Architecture

Sample Game - Menu

Sample Game - During

Sample Game - End

Website – Game Selection
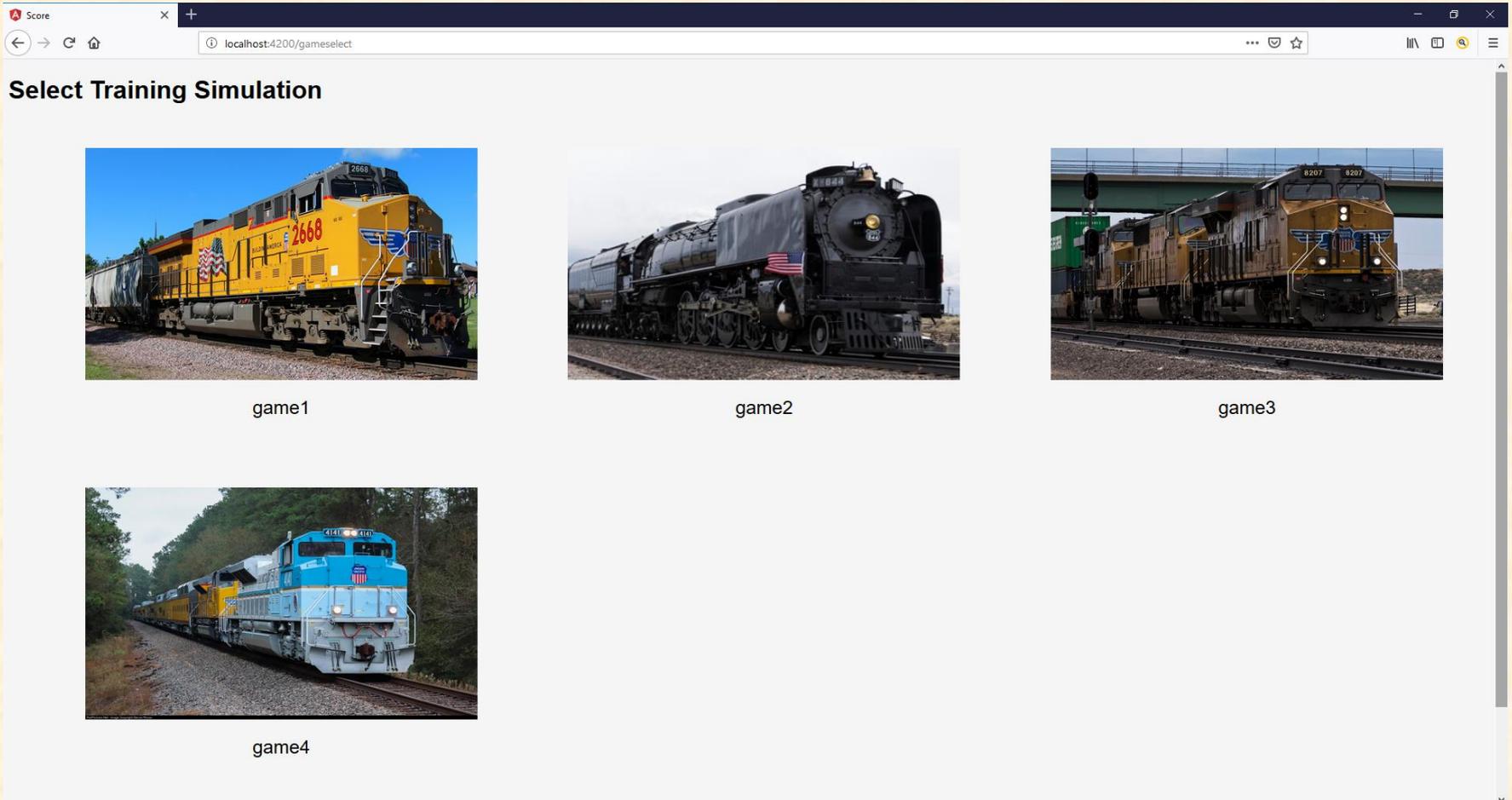
What's left to do?

- Create and finalize sample games
  - Use creation to test each reusable component
  - Add additional games if time permits
- Finish the upload portion of the website
  - Increase functionality to outside of local
  - Upload finalized games to display on website
- Improve layout of website
- Restructure scorecard display for website
- Improve scaling and resolution compatibility

Questions?