MICHIGAN STATE UNIVERSITY

Beta Presentation

Aircraft Assembly Line Simulator

The Capstone Experience

Team Boeing

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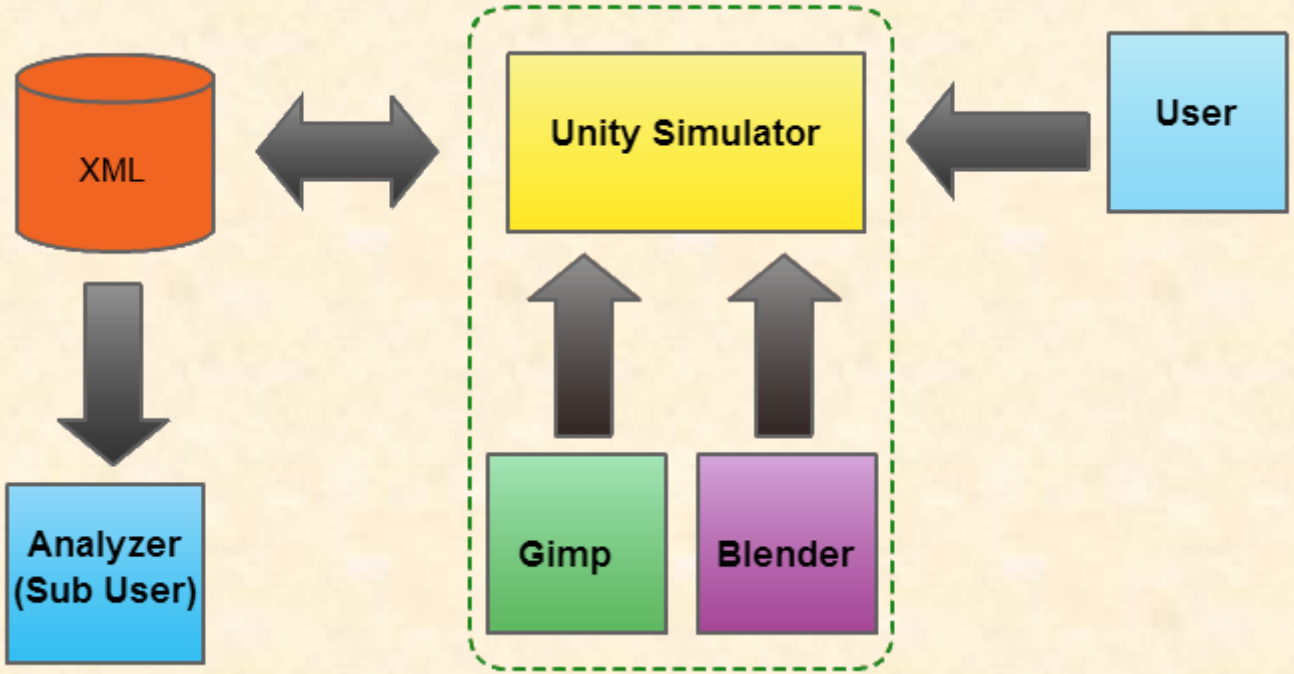
From Students…
…to Professionals

Project Overview

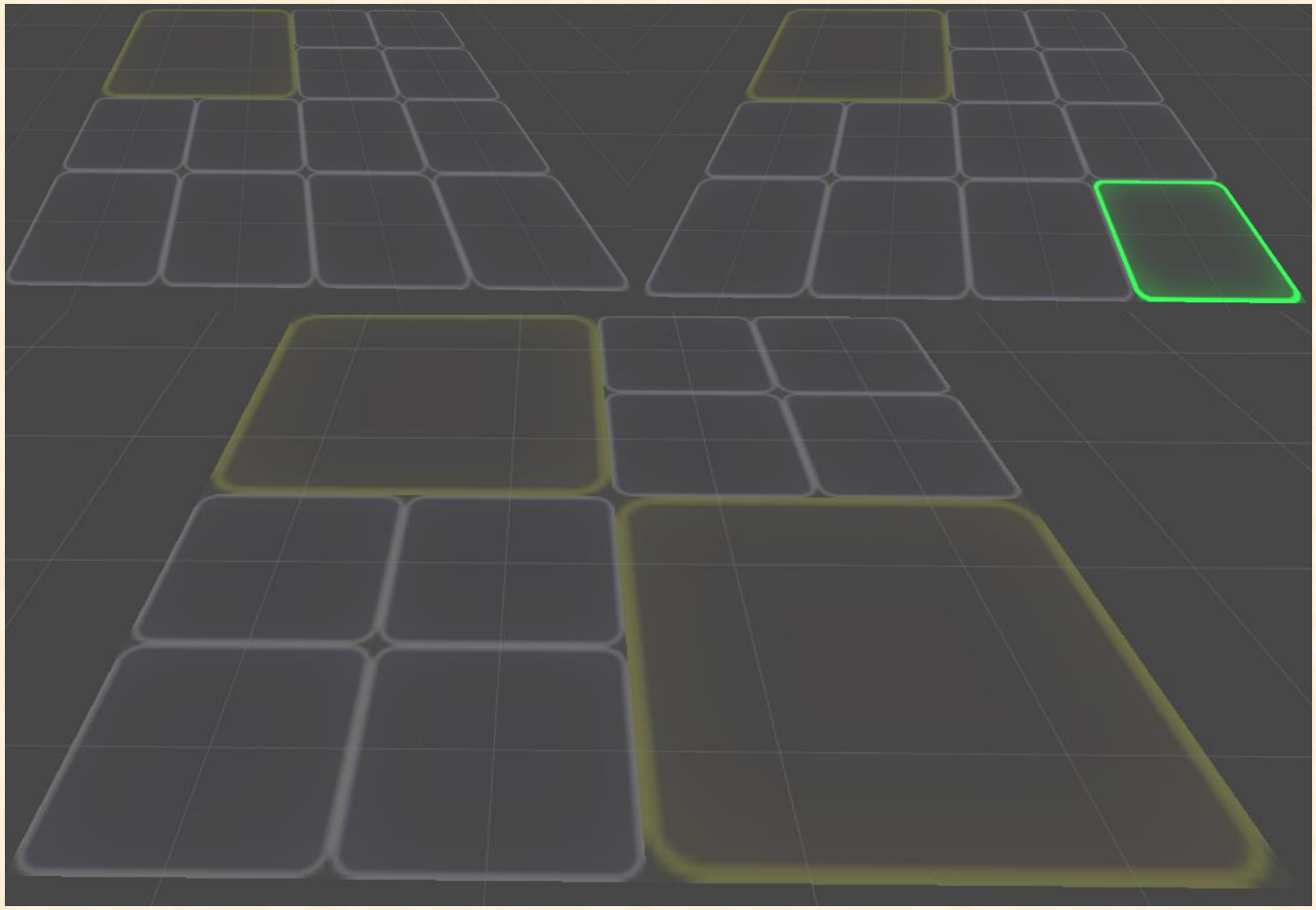
- Create a 3D simulation of a Boeing assembly line.
- Compile important data about the construction process.
- Use this data to optimize the design of the assembly line, improving safety and efficiency.

System Architecture

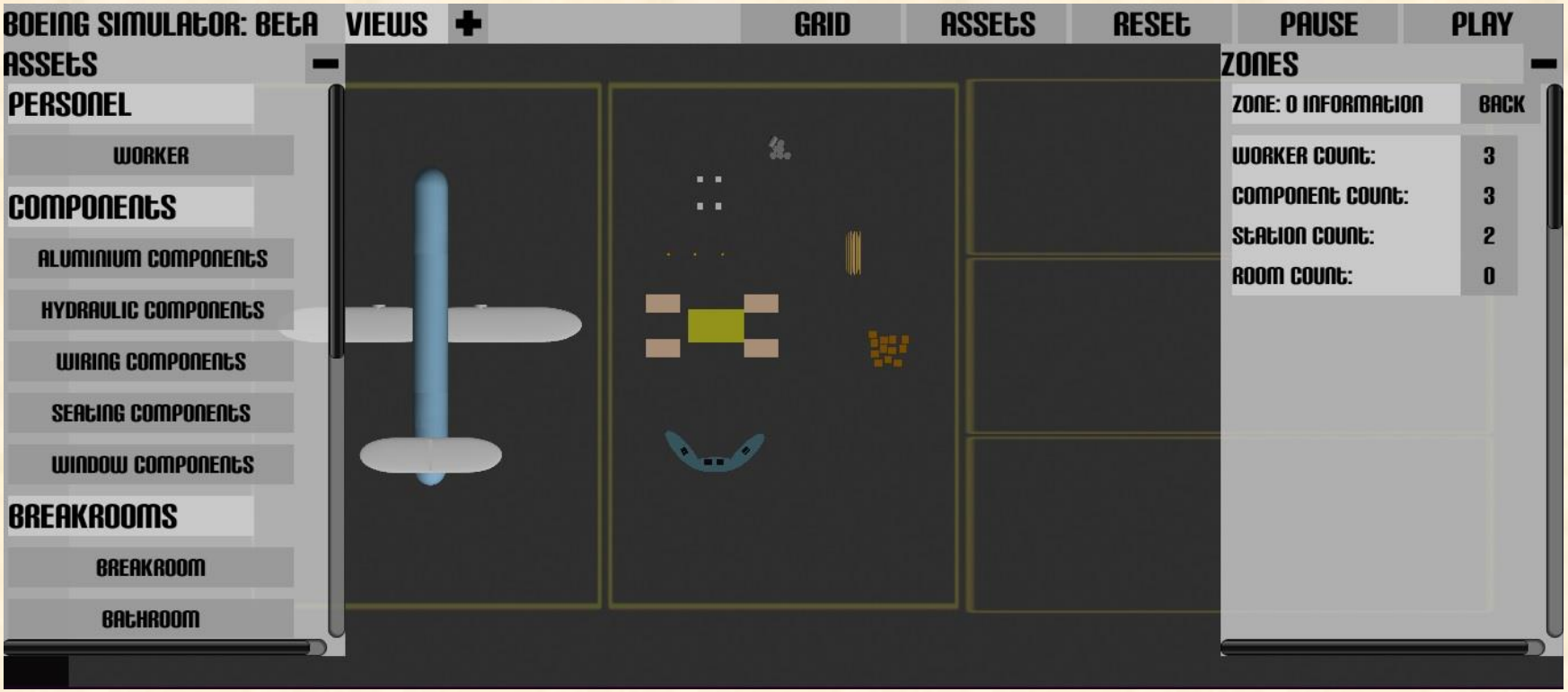


Splash Screen

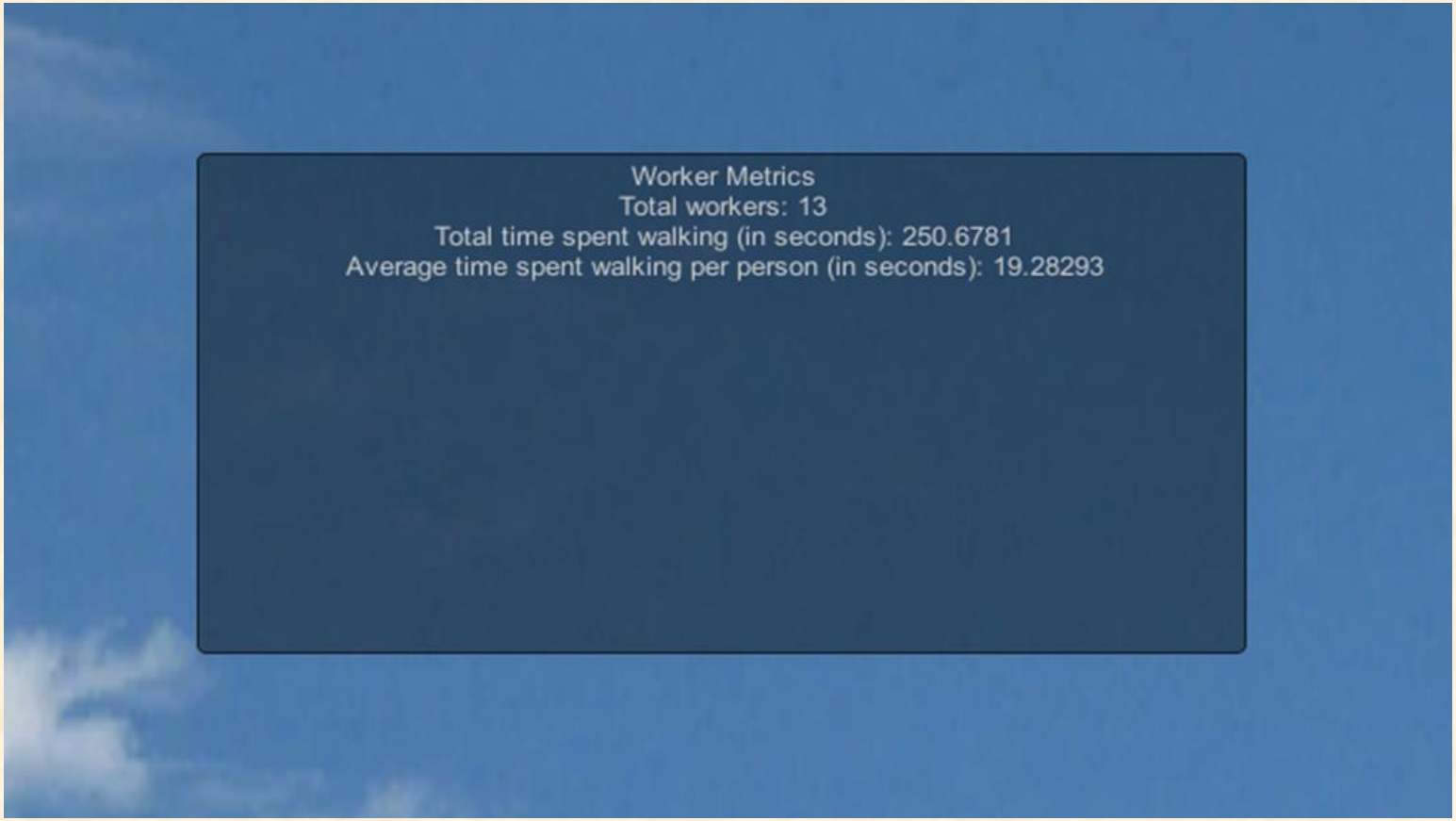
Grid and Zones



User Interface



Metric Readout Screen



What's left to do?

- Continue Adding Metric Calculations
- Add More Depth to Aircraft Assembly
- Increase Detail of Models
- Fine-Tune Saving/Loading
- Include Robots and More Machinery