MICHIGAN STATE UNIVERSITY

Beta Presentation Flight Simulator Suite

The Capstone Experience

Team Boeing

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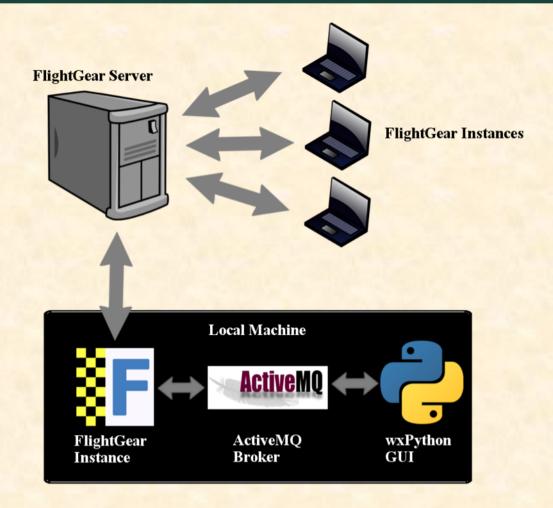
Spring 2014



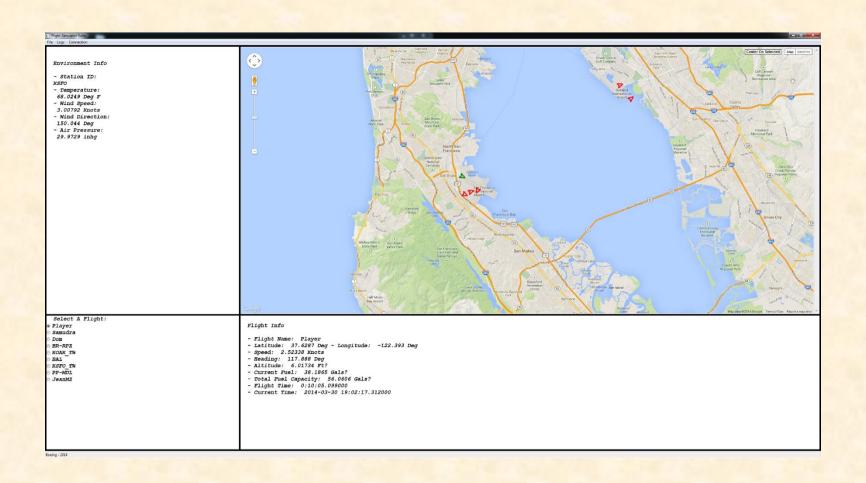
Project Overview

- Inter-process communication using message queuing
- Improve usability of open source software through the a series of Python GUIs
- Incorporate custom physics engine
- Allow future developer to use his or her program in conjunction with Flight Simulator Suite through the message queuing

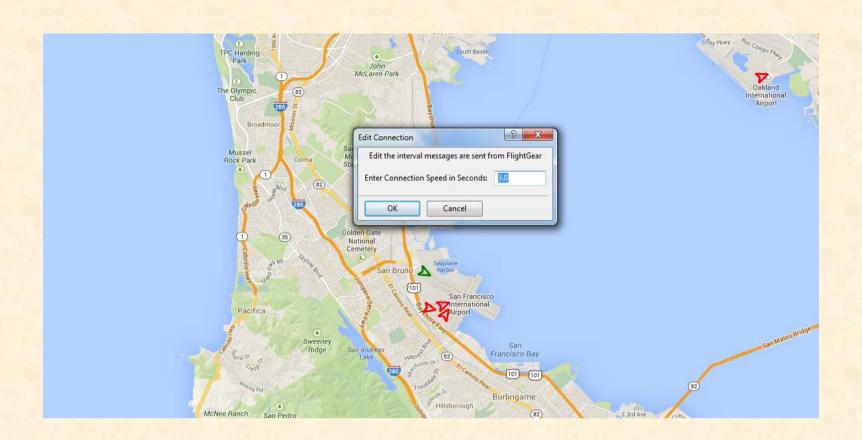
System Architecture



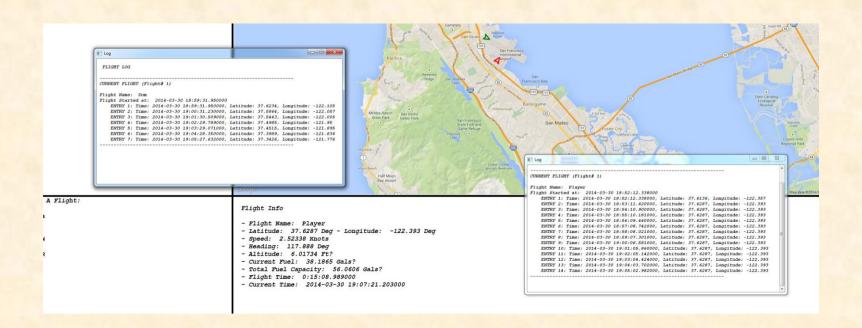
GUI



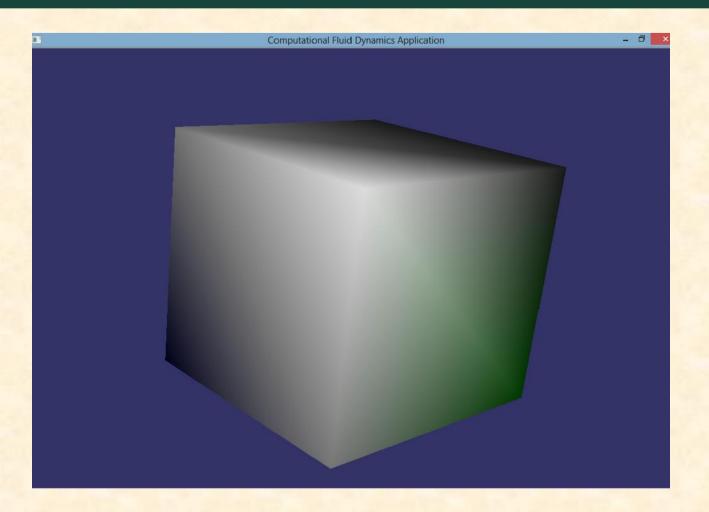
Message Interval



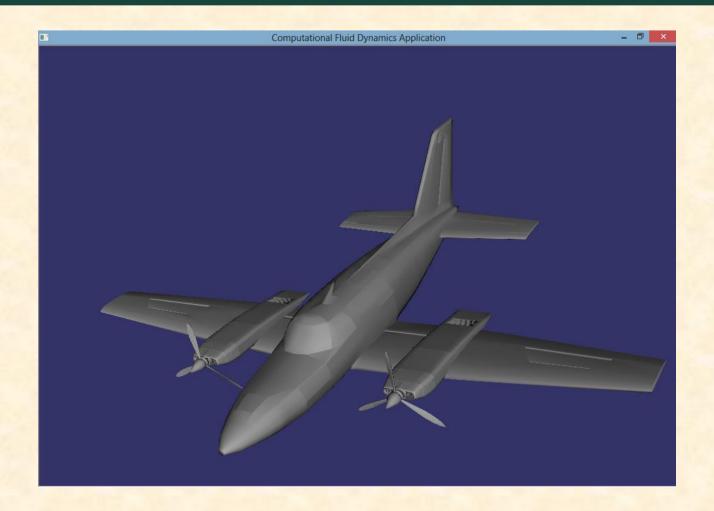
Flight Logs



Fluid Dynamics Cube



Plane Mesh



What's left to do?

- Physics/Graphics
- Polish GUI
- Testing