**Senior Research Jordan Mason**

**Airplane Boarding Simulator**

**Sprint 1 General Plan**

**Subsystem:**

Sprint 1 subsystem will be a Java app that simulates how long it takes for x number of people to board an airplane and return that time to the user. The app will contain a screen that the user can adjust the number of passengers on the plane and then click a button to begin the simulation. When the simulation begins, the user will be shown an animated flow of passengers as they move toward their seats. In this sprint, passengers will move in a logical, single-file, pattern which will be the same regardless of the number of passengers.