

Flight Scheduler

OOP Project Fall 2017

- A. Team: Byron Becker, Johnathan Kruse, Raghav Sharma, Brian Chung, Cory Morales
- B. Title: Flight Scheduler
- C. Description: A Flight scheduler for an airport that allows interaction from the airport controller user, the airline user, and the passenger user. The scheduler attempts to take all of the flights into account and schedule as many as possible to the gates.
- D. Actors:
 - a. Airline (User)
 - b. Pilots/Passengers (View)
 - c. Airport (Admin)
- E. Functionality
 - a. Airlines submit a range of time for flights which need to depart/arrive
 - b. Airlines can submit a new sudden flight.
 - c. Airlines can cancel/delay their own flights
 - d. Airlines can view all their flight information in the airport.
 - e. Airport can cancel/delay any flight
 - f. Airport can assign priority to different airlines
 - g. Airport can view all flight information in the airport
 - h. Passenger/Pilot, Airline, and Airport can login
 - i. Passenger/Pilot can lookup flight status and information by airline, route, and flight number
- F. Extra Functionality (if have time)
 - a. Preference for airline to a terminal
 - b. A master controller for multiple airports