

Group 45 Assumptions

- Airplanes in this system must be owned by an airline; they cannot be privately owned. Therefore, airplanes have total participation.
- Types of airplanes can be propellers or jets (disjoint relationship), but there can be planes that are neither propeller-driven or jet-driven.
- People's locations are only identified as part of the airport or the airplane and must have a location status at any point in time.
- Route information can be found through the legs, so the total distance can be derived from the leg information.
- To track the number of passengers currently on the plane, flight can derive the information from passengers in accordance with the airplane's seat capacity.
- For each flight on a route, one airplane will be used regardless of the number of legs comprising the route.
- Routes must have leg(s) that directly relate to the airport since each leg departs from and arrives to airports.