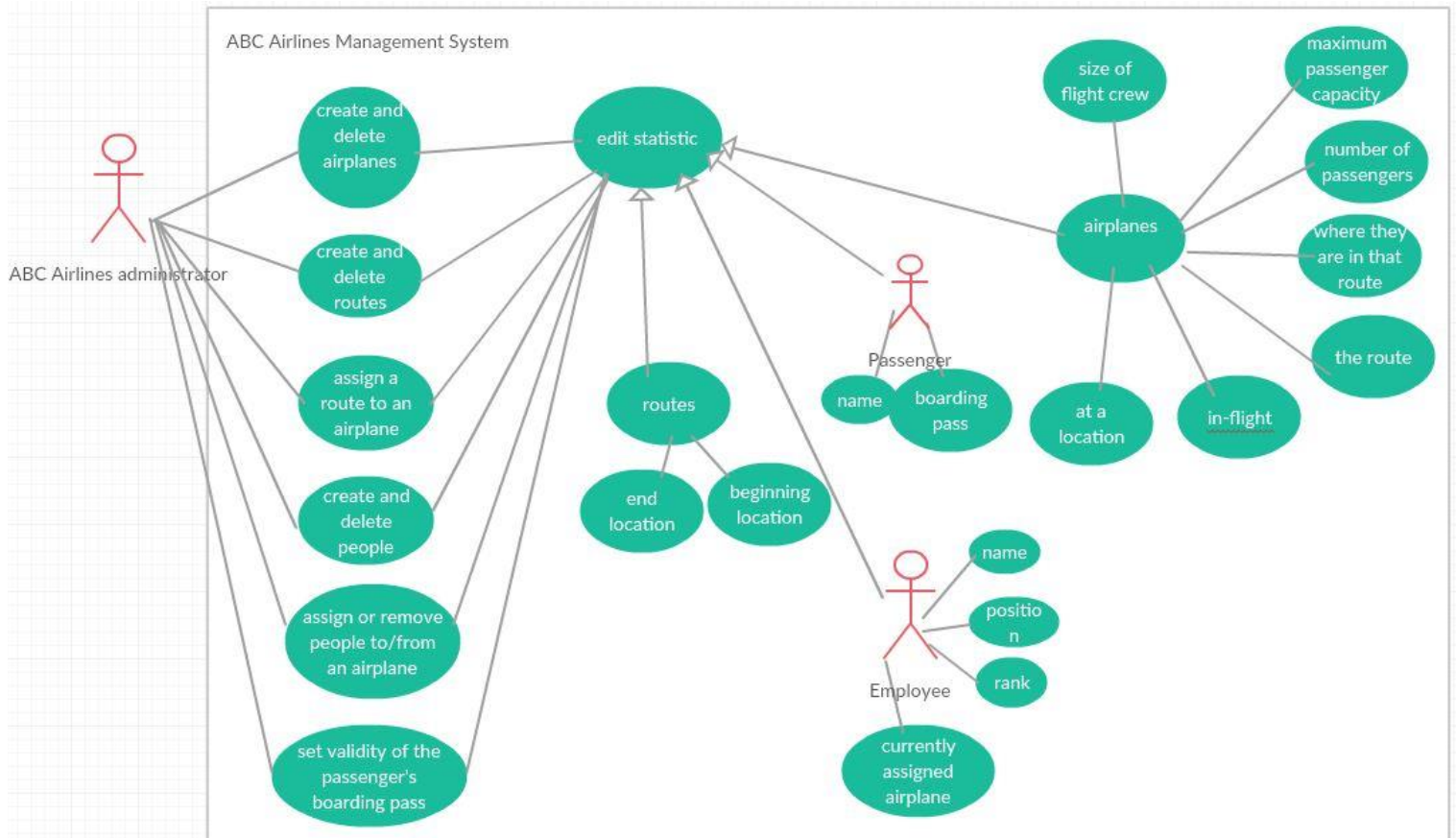


COMP303 A1  
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**Q1. Object in Java (two classes, Student.Java and Queue.Java)**

**Q2. Use-Case Diagram with Templates**



Template for the most complex activity occurs when the administrator needs to create an airplane, a route, people, then assign a route to an airplane, people, and validate the passenger's boarding pass. I am not sure how explicit this template has to be.

Information for this template:

Name: Arranging an aircraft for people

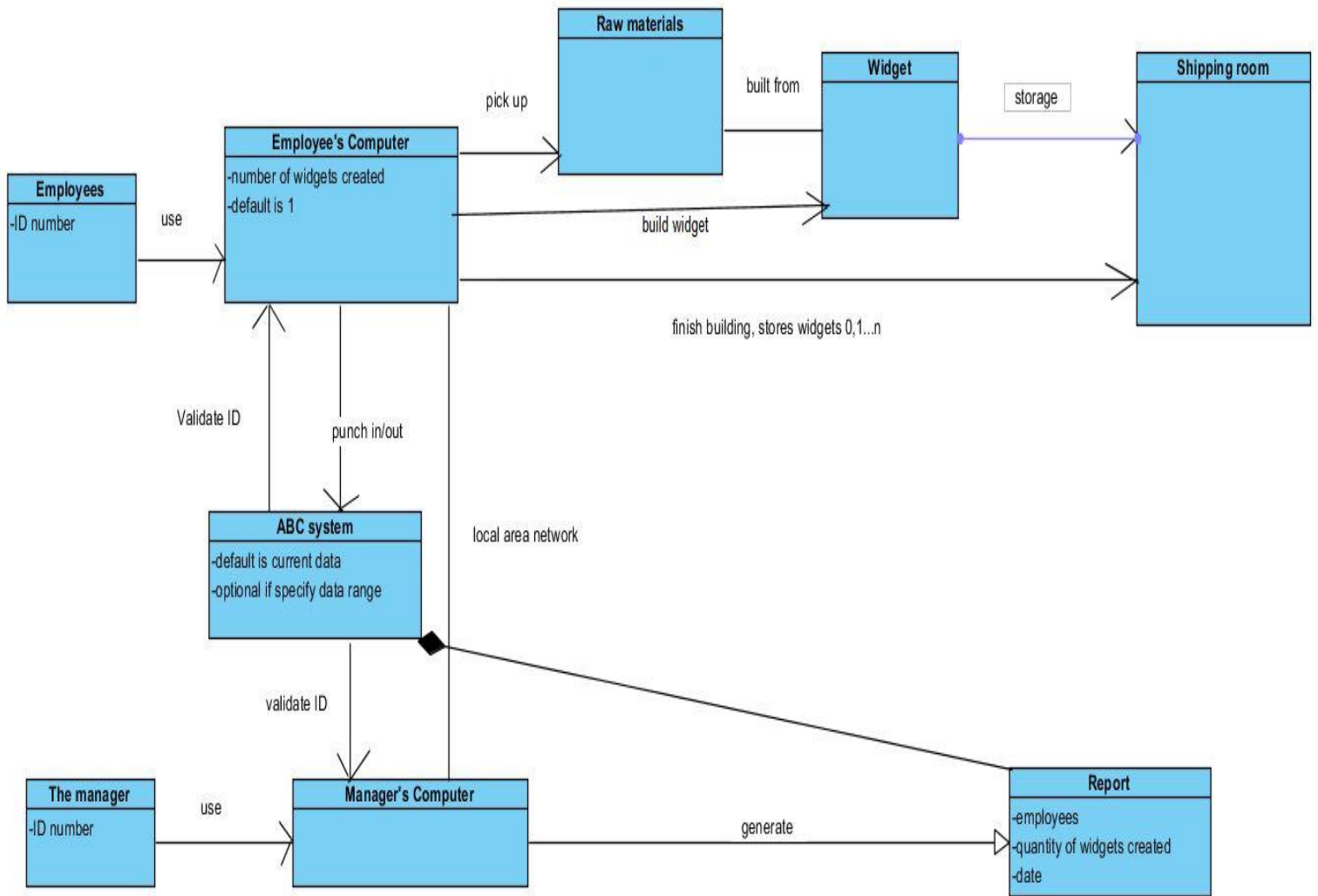
Creator: Simon Hsu

Ordered list of sub-activities: the administrator needs to create an airplane, create a route, create people, then assign a route to an airplane, assign people to an airplane, and validate the passenger's boarding pass.

Optional: an alternate order of activities can be the administrator validates the passenger's boarding pass, then delete an airplane, delete a route, delete people, then delete a route to an airplane, and delete the people on the airplane.

options: no special cases.

### Q3. Domain model



#### Q4. sequence diagram

I select the sequence diagram which shows the execution of a particular use case for the application and the objects that are involved in carrying out that use case.

sd 303Q4Sequence Diagram

