

Team 2

TSA Project With Actors

The use of actors really made this project easy. By making each station an actor, and having the passengers/bags as messages, it was really easy to keep track of the sending and receiving of the passengers, as well as the operations done on each. It also made the construction of the lines in the Main.java very simple, as all we had to do was build the lines backward, and pass references to the next actor. We're very glad we could use actors instead of threads, as it would have been much more difficult to keep timing with the threads.

We didn't deviate much from the initial plan at all. We kept track of failed passengers/bags by having a generic failed attribute to the "Message" abstract class, which made it easy to check either passenger or baggage. We kept track of baggage/passenger matches by simply naming them the same name, and adding "baggage" to any print statements about the passengers' baggage.