# Pseudo Code and Design

1. First, I need to implement a Queue class, in order to simulate the waiting line of taking off and landing. Linked list queue will be easier to implement, and in this way I need Node class of course. In this Queue, I need at least *add*, *remove* and *isEmpty* method.
2. Second, I need to create a Runway class, this class is responsible for handling when to dequeue an airplane from two queues. In this class, I will need *accept* and *isService* method.
3. Third, I need to have an Airplane class, which will have several field like *arrivalTime* and *isCrashed* method.
4. The most important class will be Airport class, this class will store values like amount of time needed for landing or taking off, the average time between arrivals of planes, the amount of time a plane can stay before running out of fuel. And this class will have at least *scheduleNext, checkRunway* and *run* method.D
5. At last, I need to have a Driver class, to run the main function and do the simulation.