ATC (Air Traffic Controller)

This was asked sometime back not recently.

Design an airport ATC (Air Traffic Controller) System.

Need to come up with usecases, scenarios.

And most imp realtime issues yourself and your thoughts o how you design the system to deal with it

Algos that you would use, your reason to opt for it

Some Usecases:

1. Flights have to communicate with ATC for takeoff landing, where to place the flight, there should be no collisions, need to handle these

2. ATC also needs to check for other things, there could be crashes collisions, so in that case need to communicate these to the flights

3. Scheduler

4. What path should it take for takeoff or landing

5. Think edge cases, systems you need, what can you expect, n what precautions to take

6. Comeup with different scenarios and your take on it

7. Communication protocols, since its an ATC, types of communication