Air Traffic Controller

Submitted in partial fulfilment of the requirements for Object Oriented Modelling & Design during 7th semester of

Bachelor of Technology
in
Computer Science & Engineering

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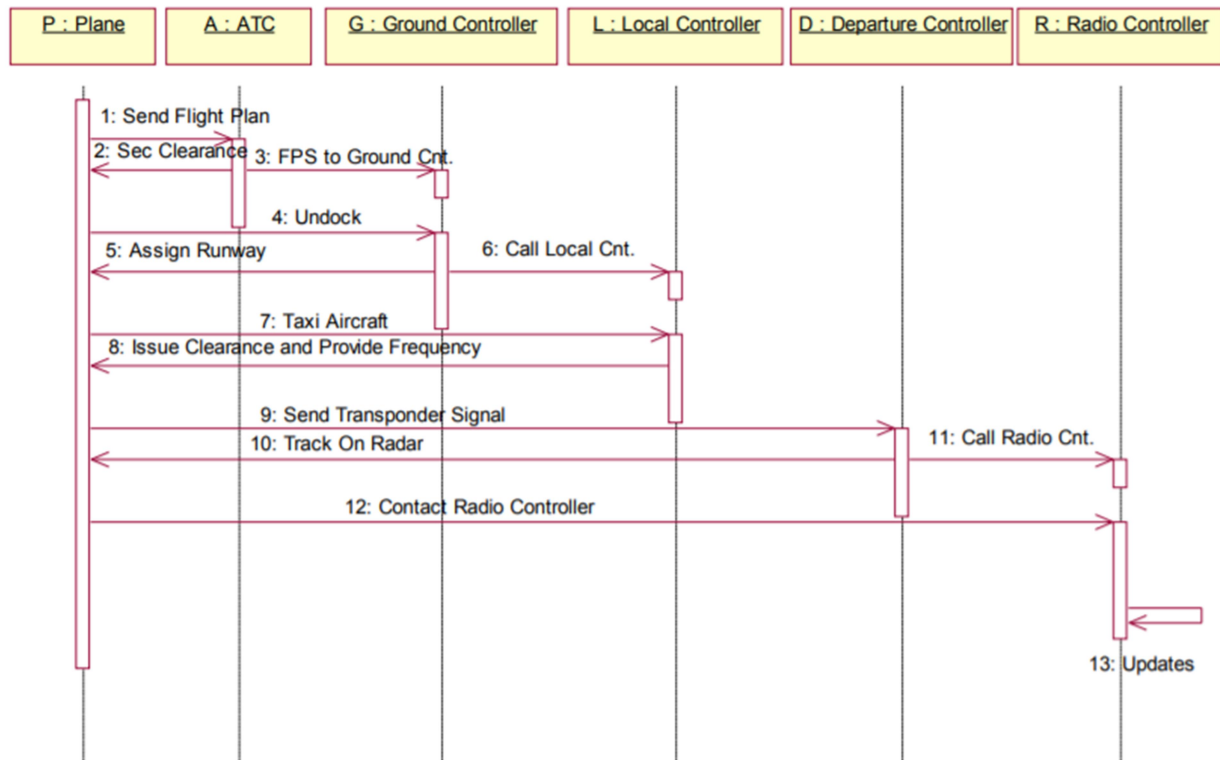
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Sequence Diagram
Take Off Sequence

P : Plane	A : ATC	G : Ground Controller	L : Local Controller	D : Departure Controller	R : Radio Controller

1: Send Flight Plan

2: Sec Clearance

3: FPS to Ground Cnt.

4: Undock

5: Assign Runway

6: Call Local Cnt.

7: Taxi Aircraft

8: Issue Clearance and Provide Frequency

9: Send Transponder Signal

10: Track On Radar

11: Call Radio Cnt.

12: Contact Radio Controller

13: Updates

P.T.O.

Landing Sequence

P : Plane	R : Radio Controller	A : Approach Controller	L : Local Controller	G : Ground Controller

1: Send FPS

2: Transfer FPS

3: Request To Land

5: Call Local Cnt.

4: Adjust Parameters

6: Await Clearance

8: Call Ground Cnt.

7: Issue Clearance & Provide Frequency

9: Request Runway

10: Assign Runway

11: Land Aircraft

12: Taxi & Dock Aircraft