

DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING

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FUNCTIONAL REQUIREMENTS

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User registration & login	Registration & login of passengers via Google with email id and password
FR-2	Detailed arrival and departure time of flights	With the flight no and name, the passenger can see the details (time, boarding station, etc) of his/her in the dashboard.
FR-3	Intimate the accurate flight timings to passengers	With the help of various machine learning algorithms, when given the right input features (actual arrival time & departure time, scheduled time, etc) we can predict the delay in time of the flight which will also be shown in the dashboard and updated time-to-time.

FR-4	Airline helpdesk provide alternatives	The contact details of different airlines will be provided, The passenger will also be able to look for any alternative flight in case the flights get cancelled.
FR-5	Passenger feedback	The feedback will be got from the users or how the application was to use, with their feedback and suggestions, we can improve the application further.