***Functional & Non-Functional Requirements***

***Functional Requirements:-***

1. **The System should make User Accounts.**
2. **The system shall require a user to register with username and password.**
3. **The System should Check Availability after user determines his destination.**
4. **The system will ask the user if he wants to reserve the ticket.**
5. **The system shall require a user to confirm the ticket before 3 days of the departure date or the ticket stands cancelled.**
6. **The system shall present the user with an option to re-schedule his travel party's trip.**
7. **The system shall also give the user an option to cancel a confirmed ticket or a blocked ticket.**
8. **The system shall enable the user to update his profile at any time.**
9. **The system shall allow a user to view all information about his trip.**
10. **The system shall allow any user (registered or non-registered) to access the details about the arrival and departure times.**

***Non-functional Requirements:-***

1. **The system waiting time should be less than 2 second.**
2. **The system shall be able to handle at least 1000 transactions/inquiries per second.**
3. **The system shall show no visible deterioration in response time as the number of users or flight schedule data increases.**
4. **The system shall be available 24 hours a day, 7 days a week.**
5. **The system shall always provide real time information about flight availability information.**
6. **The system shall be robust enough to have a high degree of fault tolerance.**
7. **The system shall provide a easy-to-use graphical interface**
8. **Only system administer has the right to change system parameters.**
9. **The system will do Users authentication before having access to any personal data.**