



Software Design Project Proposal

Group number: Group 31

Project Title: Airline Reservation System

List of Members:

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Functional Requirements:

- ❖ Record reservation
- ❖ Record customer details(first and last name, phone number, email address)
- ❖ Associate booking with an account
- ❖ Generate unique confirmation number
- ❖ Record airline and seat number
- ❖ Cancel bookings
- ❖ Change and modify reservations
- ❖ Display and change records of guests
- ❖ Limit every account to a single user
- ❖ Accept date and time to check availability of that particular date and time
- ❖ Send out booking confirmation to the specified contact detail
- ❖ Allow users to search and find the most relevant booking options (i.e first class, economy or coach class)
- ❖ Calculate and display the airline charges
- ❖ Record available and booked airlines
- ❖ Allow users to filter airlines when searching

Non-Functional Requirements:

- ❖ Accessibility: The website and user interface should be convenient for the users to comprehend, allowing them to navigate and access the website easily.
- ❖ Security: The website should be secured and users are able to have their privacy protected from other parties.
- ❖ Compatibility: In this sense, regardless of the system or device the customer is using the website should still retain its functionality.
- ❖ Performance:Website should be fully optimized to enable the user to not have any delays or crashes while on the Reservation website.
- ❖ Availability: The website should be available for the user to see available flights regardless of the time.