

Project Log

Project Name: **Ticket Booking App**

Start Date: **18/7/23**

End Date: **26/7/23**

Project Requirements:

- Bus| Plane
- Sign Up Form
- Login with OTP
- Criteria (From and To Place Booking Dates) Then Show Available Buses/Plane
- Show Number of available Seats On Tap ask For Number of Seats for booking max 4 seats can be booked (Calculate prices)
- Show user Bookings
- Profile
- Cancel bookings
- Nice UI
- Time Line 5 days

Day 1: 18/7/23

- Created 3 pages:
 - Login
 - Signup
 - OTP verification

Day 2: 19/7/23

- Created SQLite database
- Mapped out all the required tables, attributes, primary keys, foreign keys
- Created all required methods to add data from application to database and retrieve data from database

Day 3: 20/7/23

- Started working on the core functionalities of the application.
- Linked Login page and Signup page
- Created a homepage based on a theme B&W
- Linked homepage to the app as well
- Created Category Selection page
- Added all the routes and vehicles to the database manually at backend

Day 4: 21/7/23

- Created 3 pages:
 - The search page for both busses and planes
 - The vehicle details (Seat numbers, NoOfPassenger)
 - Profile Page
- Linked the search page & details with database
- Linked profile page with database and added method to delete account as well
- Added changes to homepage

Day 5: 22/7/23

- Created logout feature
- Added session maintenance
- Created 2 pages:
 - Bookings: To show all the booked tickets
 - Cancel bookings
- Added method for cancel bookings in database
- Worked on OTP verification with Firebase and linked all pages with each other

Day 6: 24/7/23

- Project evaluation (List of changes and additional features to add as well as bug fixes)
- Resolved bugs and altered code to implement changes

Day 7: 25/7/23

- Added logos to search and bookings page
- Recreated profile page
- Updated database to add Company attribute to vehicle table
- Add "Company" criteria to search page and made changes to UI

Day 8: 26/7/23

- Updated database to add seat numbers
- Added seat number selection to details page
- Resolved search page bugs
- Made few adjustments to code
- Tested the application thoroughly

Project Conclusion: 27/7/23

The Ticket Booking App project has been successfully completed with a duration little over the planned timeline of 5 days. The application fulfills all the specified requirements and offers a experience.

1. User Authentication: Implemented a secure sign-up and login process with OTP verification.
2. Category Selection: Developed a search page where users can choose between booking buses or planes based on their preferences.
3. Database Integration: Created a SQLite database to store data allowing data management.
4. Booking Functionality: Added the ability for users to search for available buses/planes based on criteria, view seat availability, and book up to 3 seats in a single transaction.
5. Management: Provided users with a profile page to manage their account. Added sections to view bookings, and cancel bookings as well.
6. Logout and Session Maintenance: Implemented a logout feature and maintained user session.

Project Statistics:

- Total Duration: 8 days
- Total Lines of Code: 4720