AVENTUR TRAVEL APP

Lahari D, Sathvik Chandra N, Saivineeth Reddy P, Venkat Ramana Reddy E, Nithin Reddy S, Sai Prasad Varma S, Dhatri Naidu B
Dr.Said Bettayeb
Mentors: Dr. Iqbal Latheef, Iran Tantu, Azrul Sudarmin
College of Science and Engineering, University of Houston - Clear Lake

INTRODUCTION

The team is focused on improving the travel agent dashboard through bug fixing and the development of a new dashboard, while also conducting API penetration testing to identify vulnerabilities. Additionally, we are. gathering requirements for the new dashboard and developing use case diagrams to ensure that the new dashboard is user-friendly and meets the needs of its intended users. By taking a comprehensive approach that addresses both technical and user-focused aspects of the application, the team aims to create a secure, reliable, and user-friendly travel agent dashboard

ABOUT AVENTUR

AVENTUR is a travel assistance application where travelers can manage their group trips online through digital travel assistance. With this application travelers can create groups, plan a trip, create checklists, schedule events to gather group members, share location to group members and track member's location individually, guidebook, walkie-talkie feature, emergency SOS button.
We have many online and offline travel agencies who can provide services such as accommodations, tours, and transportation services accessible to the customers through various packages. Nevertheless, they don't provide some of the features that our application can furnish

FEATURES

- Location Sharing
- Track members
- Guide Book
- SOS Button
- Group chat
- Walkie-Talkie

ARCHITECTURE

DASHBOARD DESIGN
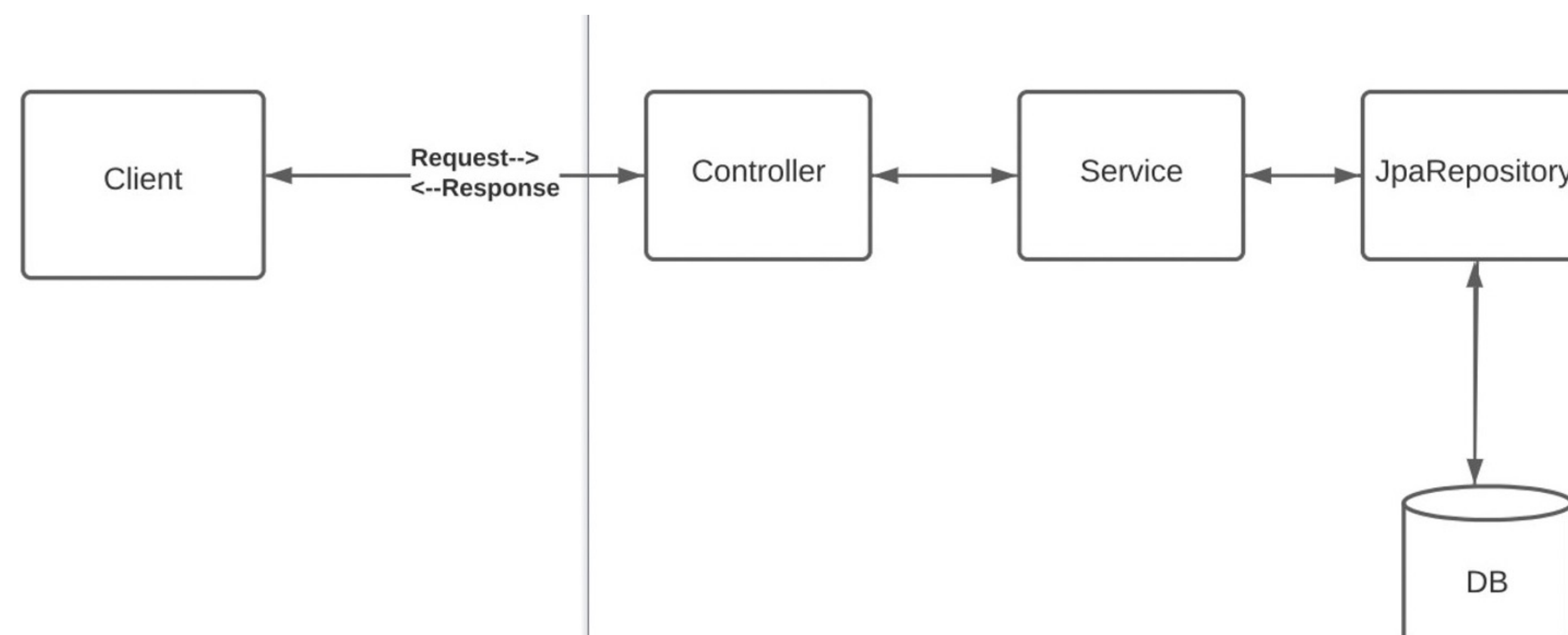
CHALLENGES

- Handling multiple requests to the server was a significant challenge faced by the development team.
- Writing post and get requests using Redux store management also presented difficulties.
- Fixing the time zone with the selected location was another challenge encountered during the project.
- The team had to carefully troubleshoot these issues to ensure that the application performed optimally
- Bypassing logins and security checks to test the exact end point from Postman
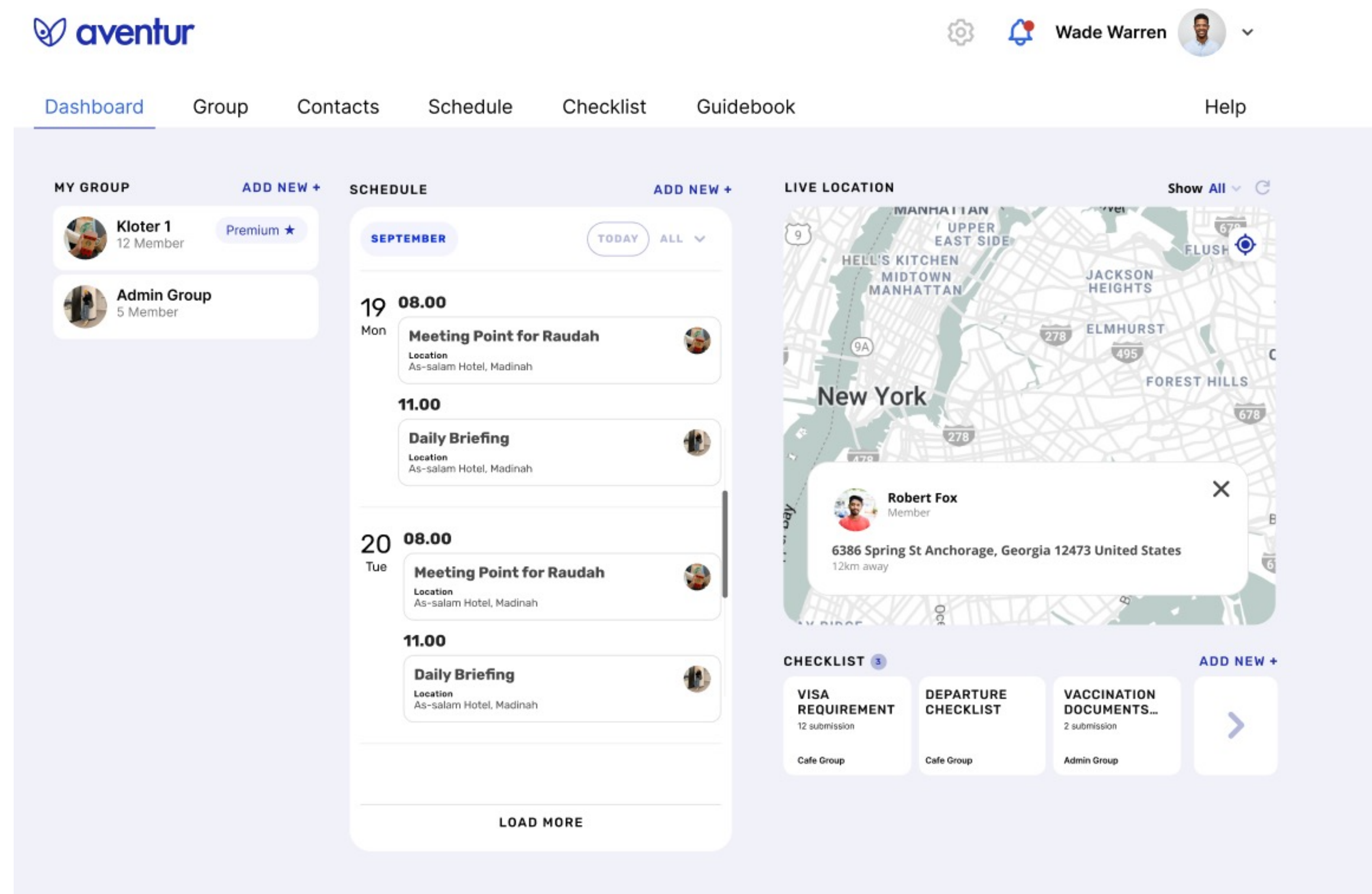
END USERS

- User
- Travel Agency
- Admin

FUTURE WORK

- SOS database with helpline numbers
- In-Build camera
- Influencers guidebook and reviews
- Weather report
- Language Translator
- Location-sharing options in the SOS button