Team Alpha - Initial Meeting Minutes (Phase-1)

Date: 02/09/2025
Time: 10:00 AM
Location: Virtual Meeting (via Zoom)
Meeting Type: Kickoff/Initial Planning

Attendees:

1. JaswanthNalluri
2. Anurag Lakkavathula
3. Abhishek Darsha
4. Lakshmi DeepikaYadagiri
5. Sai Sri Naga SashankPasupuleti
6. JishnaSathvikVucha
7. DhireshVenkateshwarluKaturi
8. Nikhil ChowdaryKollipati
9. Jaya Sai Reddy Santimalla

Agenda:

1. Introduction of team members
2. Overview of the project and goals
3. Discuss team roles and responsibilities
4. Set up GitHub repository and access
5. Discuss initial project planning and timeline
6. Changing Tech Stack for better development
7. Q&A and next steps

Meeting Discussion:

1. Introduction of Team Members:

- Each team member introduced themselves and shared their expertise.
- Skills noted: JavaScript, React, Node.js, Express, MongoDB, Redux, API development, authentication, and UI/UX design.

2. Overview of the Project and Goals:

- The **Vehicle Parking Management System (VPMS)** was introduced.

- The system will include:
    1. **User Authentication:** Registration, login, JWT-based authentication, and role-based access control.
    2. **Parking Slot Management:** Admins can create, update, delete slots, and users can book available slots.
    3. **Booking Management:** Users can book slots, view their bookings, and admins can manage booking statuses.
    4. **User Management:** Admins can manage user roles and delete users.
    5. **API Endpoints:** RESTful API implementation for authentication, parking, booking, and user management.
    6. **Security:** CORS handling, secure authentication, and input validation.
    7. **Database:** MongoDB with models for Users, Parking Slots, and Bookings.

3. Team Roles and Responsibilities:

- Each member was assigned roles based on expertise:
    - **Project Manager:** Jaswanth Nalluri
    - **Frontend Development:** Sai Sri Naga Sashank Pasupuleti, Nikhil Chowdary Kollipati
    - **Backend Development:** Jishna Sathvik Vucha, Anurag Lakkavathula, Abhishek Darsha, Jaya Sai Reddy Santimalla
    - **Database & API Development:** Lakshmi Deepika Yadagiri
    - **State Management & Redux:** Dhiresh Venkateshwarlu Katuri
    - **Documentation & Reports:** Nikhil Chowdary Kollipati

4. Set up GitHub Repository and Access:

- Jaswanth Nalluri created a GitHub repository and provided access to all members.
- The repository structure includes `backend`, `frontend`, `docs`, and `planning` folders.

5. Initial Project Planning and Timeline:

A high-level timeline was presented:

- **Week 1 (02/10 – 02/17):** Project setup, authentication system development
- **Week 2 (02/17- 02/24):** Parking slot management module development
- **Week 3-4 (02/24 – 03/01):** Booking management implementation
- **Week 5 (03/07 – 03/10):** Frontend integration with backend APIs
- **Week 6-7 (03/10 – 03/14):** Testing and debugging
- **Week 8 (03/14 – 03/16):** Deployment

6. Change in Tech Stack:

As per our feedbacks and several discussions we wanted to change the tech stack considering the flexibility of the complete development.

- **Issues:** Reduced by weekly progress review meetings.

- **Technical Challenges:** Overcome by code reviews, peer programming, and by going through official documentations.

- **Team Availability:** We have ensured clear communication and redistribute tasks when necessary.

2. **Q&A and Next Steps:**

   ✓ All members had the chance to ask questions.

   ✓ Next step: Begin work on the design phase, including database schema and UI wireframes.

7. Action Items

- **Project Setup & GitHub Management**

  - **Jashwanth Nalluri:** Set up project folder structure, configure MongoDB Atlas, create .env file, set up middleware/routes, and implement JWT authentication**.**

- **Authentication System**

  - **Jaya Sai Reddy Santimalla:** Implement user authentication, including sign-in, sign-up, and logout functionalities.

- **User Management**

  - **Anurag Lakkavathula:** Develop backend user module, including user model, user controller, and user routes.

  - **Nikhil Chowdary Kollipati:** Implement user-related UI components for the frontend**.**

- **Parking Management**

  - **Abhishek Darsha:** Develop backend parking module, including parking model and parking controller.

  - **Jishna Sathvik Vucha:** Implement parking management functionalities on the frontend.

- **Booking Management**

- **Lakshmi Deepika Yadagiri:** Develop backend booking module, including booking model and booking controller.

- **Jishna Sathvik Vucha:** Implement booking management functionalities on the frontend.

- **Frontend Development**

  - **Sai Sri Naga Sashank Pasupuleti:** Set up the frontend, including dashboard, profile section, and other UI components.

  - **Nikhil Chowdary Kollipati:** Work on user management UI components**.**

- **State Management & UI Integration**

  - **Dhiresh Venkateshwarlu Katuri:** Implement Redux for state management and integrate sign-in/sign-up UI.

Next Meeting: 03/18/2025, 10:00 AM

Meeting Adjourned: 11:00 AM