

Project Team Roles and Responsibilities

Team Member	Role	Primary Responsibilities
Tahmid Hussan	Frontend Developer	Designed and implemented the complete user interface for the application, including layout structure, styling, and responsive behavior. Handled all client-side logic such as state management, form handling, and user input validation to ensure accurate and consistent data entry. Built and maintained the overall frontend architecture, integrated frontend components with backend endpoints, and ensured a smooth, intuitive user experience across all core features of the system.
Vinesh Seepersaud	Backend Developer	Created and deployed the backend with front end integration. This included connecting the backend to multiple APIs, handling data transformation, and replacing the frontend's mock address data with live results. I also resolved CORS and routing issues to ensure smooth communication between the frontend and backend.
Han Zheng	Tester / QA	Assisted with frontend and backend integration testing, validated system functionality against requirements, and identified defects and edge cases. Created diagrams and documentation to support testing efforts, refined system requirements based on interview feedback, and researched relevant APIs to assess feasibility and limitations. Verified data flow, user inputs, and calculation logic to ensure correctness and stability across features.
Rayan Nibir	Scrum Master	Managed the Scrum process by organizing sprints, creating and assigning tasks, and tracking progress throughout development. Created and maintained burndown charts, monitored hours worked versus expected progress, and ensured tasks moved from in-progress to completion. Coordinated team

activities, tracked contributions and time logs, and helped keep the project on schedule through sprint planning and oversight.

Estimated Man-Hours Contribution

Team Member	Estimated Hours
Tahmid Hussan	49 hours
Vinesh Seepersaud	51 hours
Han Zheng	30 hours
Rayan Nibir	29 hours

Honor Statement

We affirm that this project was completed collaboratively by the team members listed above. Each member contributed according to their assigned role. All work submitted is original, completed in compliance with academic integrity policies, and properly represents our collective effort. No unauthorized assistance or plagiarism was involved in the completion of this project.

Signatures:

- *Tahmid Hussan* **Date: 12/16/2025**
- *Vinesh Seepersaud* **Date: 12/16/2025**
- *Han Zheng* **Date: 12/16/2025**
- *Rayan Nibir* **Date: 12/16/2025**