

INDIVIDUAL PROJECT ADDENDUM

Name: Haripriya Animireddy

Role: Backend Developer, Database Designer

1. Personal Contribution

I was primarily responsible for the backend architecture and database integration. I developed the core Flask routes, handled data flow between the frontend and the database, and implemented the product CRUD operations. I also designed the ER diagram and handled setting up and querying the SQLite database.

2. Skills Applied and Gained

Applied Flask for backend development Designed normalized SQL schema and queries Gained experience in modular code organization and error handling- Improved communication during team check-ins

3. Challenges Faced

One challenge was designing a clean and scalable schema for vendors and products. After multiple iterations using ER diagrams, I refined the design. I also faced route conflict issues in Flask, which I resolved by standardizing URL paths and form actions.

4. Reflection

The backend functioned smoothly and integrated well with the frontend. In future, I'd allocate more time for testing user authentication features and deployment automation scripts.

5. Teamwork Evaluation

I collaborated effectively with the team and offered help in debugging UI issues when needed. For improvement, we could have used a Kanban board to visualize progress and balance workloads more evenly.