

Progress Report:

Challenges:

- **Data Modeling:** Our primary challenge was in defining the data structure accurately. We spent considerable time refining the entity relationships and ensuring data integrity.
- **Scope Definition:** Determining the scope of the project and deciding on the specific functionalities to include in the database posed challenges. We aimed to balance comprehensiveness with feasibility.
- **Collaboration:** Coordinating tasks and ensuring effective communication proved challenging, especially when we had lots of assignments and semester projects pending.

Work Allocation:

- **Entity-Relationship Diagram (ERD):** We worked together to design the ERD, identifying entities, attributes, and relationships based on project requirements and research findings.
- **Database Design:** We jointly refined the database design, ensuring normalization and adherence to best practices in database management.
- **Documentation:** Both of us contributed to documenting the project progress, including the overview, entity descriptions, assumptions, and progress report.
- **Testing and Validation:** We will collaborate on testing and validation, ensuring that the database meets functional and performance requirements through the testing procedures.

Contributions:

- **Both Members:** Collaboratively designed the initial ERD, identified entities and relationships, and refined the data model based on ongoing discussions and feedback.
- **Both Members:** Implemented database design principles, normalized the database schema, and ensured data integrity and consistency through iterative refinement.
- **Both Members:** Jointly compiled project documentation, including the overview, entity descriptions, assumptions, and progress report, ensuring completeness and clarity.

Challenges Ahead:

Moving forward, we anticipate challenges in implementing the database schema, and conducting comprehensive testing to ensure reliability. Additionally, we will need to address any feedback from the instructor and make necessary adjustments to meet evolving project requirements. Effective collaboration and communication will remain crucial in overcoming these challenges and delivering a successful project.