**Final Project Proposal:**

**Stages of Development Completed:**

**Completed schema and table creation, including data insertion.**

**Implemented user authentication with login creation.**

**Developed stored procedures to enhance database functionality.**

**Designed views to simplify data retrieval and presentation.**

**Implemented indexes to optimize query performance.**

**Created triggers for automated responses to database events.**

**Specific Tasks or Features Implemented:**

**Utilized Lucid for database diagram creation and Snipping Tool for relevant screenshots.**

**Leveraged Azure as the chosen cloud platform.**

**Screenshots:**

**Attached.**

**Reflection:**

**Briefly reflect on this stage of development.**

**I am on schedule, having successfully completed key development milestones. The utilization of planned tools and technologies has been effective, and progress aligns with initial expectations.**

**Outline Development Challenges:**

**Description:**

**Encountered challenges in creating triggers.**

**Ongoing work on API development poses another hurdle.**

**Overcoming Challenges:**

**Watched class videos and utilized online resources, including YouTube, to troubleshoot and understand trigger creation.**

**Continue to address API challenges through a combination of self-study and leveraging available educational content.**

**Schema Design Changes:**

**Visuals: attached**

**Overall, the project is progressing well, with the successful completion of major development tasks. Challenges are being addressed.**