Emily Lucchese - Database Design Proposal

SQLite could be a suitable and lightweight choice for the recipe creation, planning, and budget application. SQLite is a compact embedded relational database that is self-contained and server-less database engine with zero configuration requirements. It is ideal for small to medium-sized applications and is frequently employed in embedded systems. It simplifies the setup and deployment process by eliminating the necessity for a distinct database server.

Pros:

-Lightweight - it is easy to use

-BetterPerformance - reading and writing operations are very fast for SQLite database.

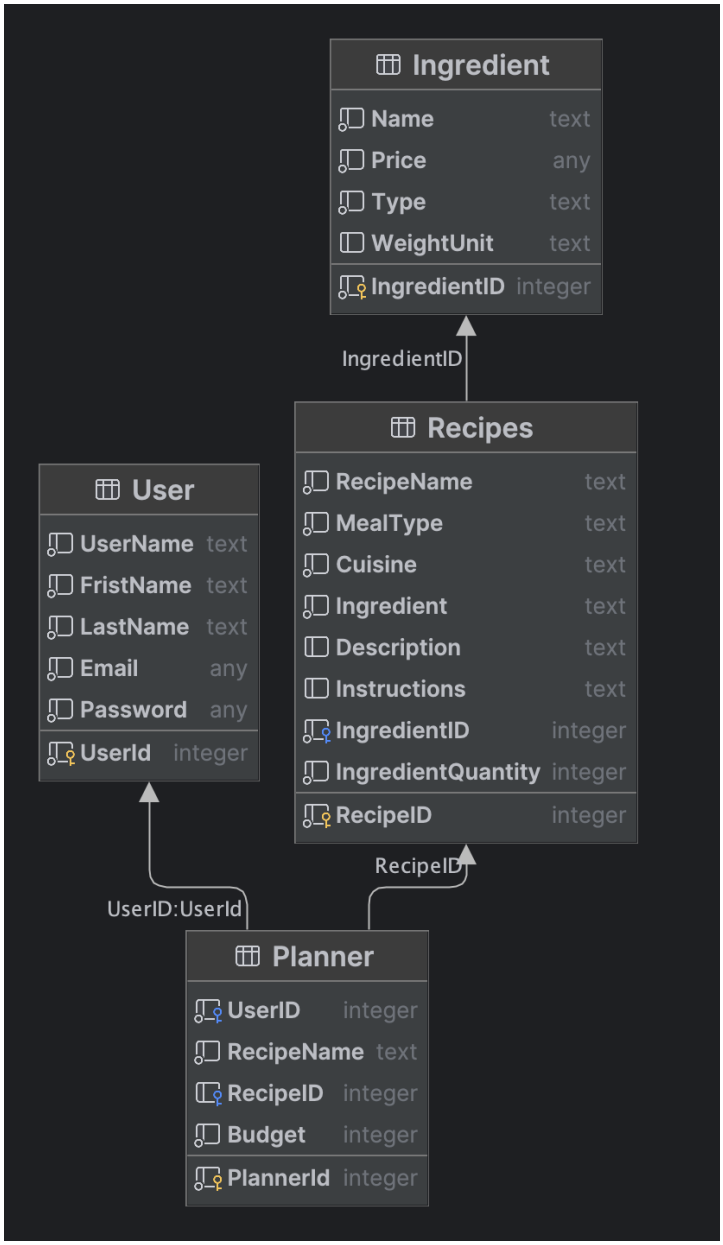
-Portable -SQLite is portable across all 32-bit and 64-bit operating systems and big- and little-endian architectures.

-Reduce cost and complexity - SQLite can be easily extended in future releases just by adding new tables and/or columns. It also preserve the backwards compatibility.

Cons:

-Database size is restricted- SQLite may not be the best choice for applications with rapidly growing data and high scalability requirements

-SQLite model is server-less which means it might not be the best for applications that require a centralized database to handle large-scale data processing. This would also mean it is not suitable for large applications.



Sample Diagram of Application

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