System Architecture/ System Context Diagram

The diagram below illustrates the high-level architecture of the Library Online Reservation System. It shows how different actors (Library Members, Librarians) interact with the system, and how the system components (Web/Mobile App, Backend, Database, and Librarian Dashboards) connect to provide a seamless experience.
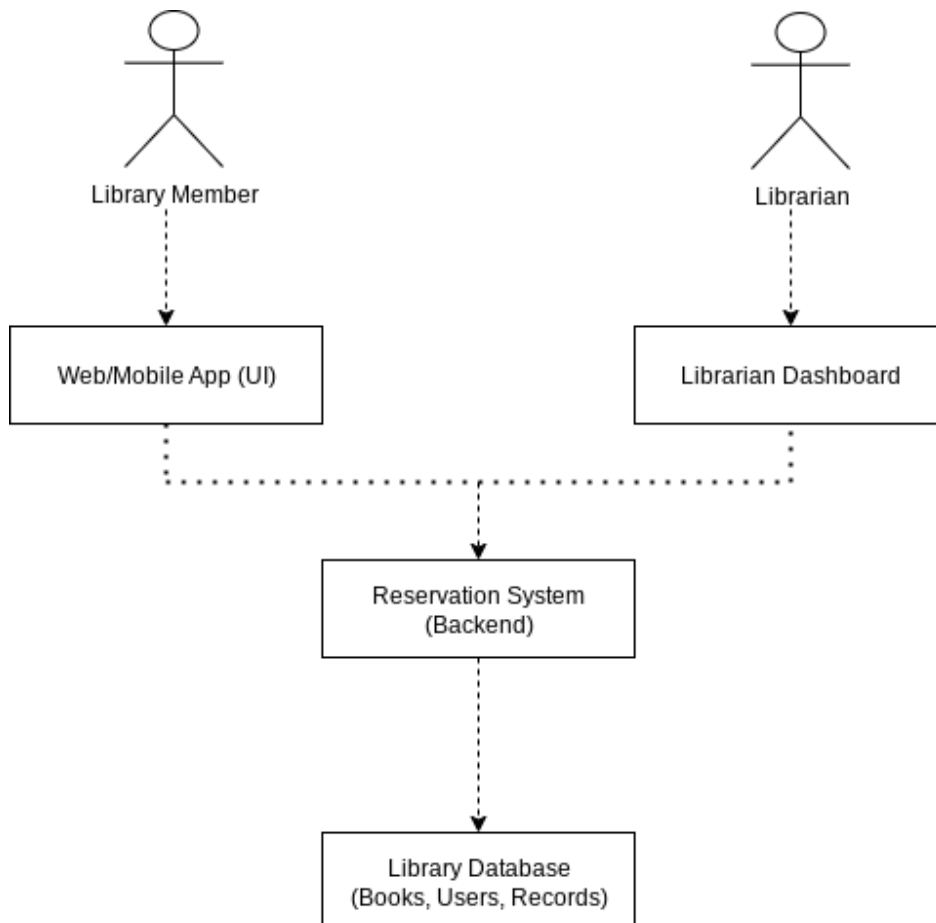

Figure 7: System Architecture Diagram

- Library Members access the system via the Web/Mobile App.
- The backend system manages book reservations, notifications, and user profiles.
- The Librarian Dashboard connects to the same backend and database to manage inventory and returns.