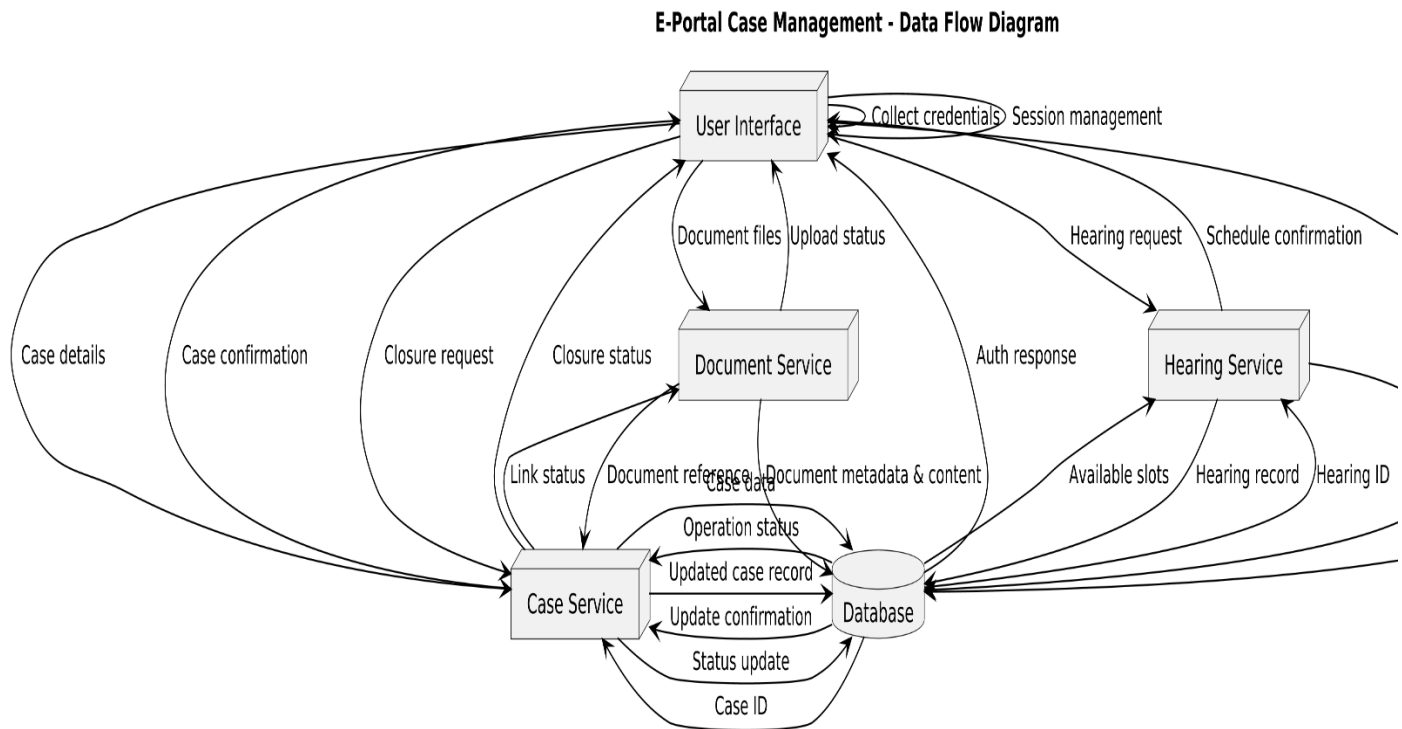


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Section CS6A

2200290120001

Software Engineering Lab 12 : Prepare Data Flow Diagram for the Selected Project Title.



#### Main Components:

1. **User Interface (UI):** Collects user inputs (credentials, case details, documents, etc.) and displays results like confirmations or status updates.
2. **Document Service:** Manages document upload, metadata, and linking with cases.
3. **Case Service:** Handles case creation, updates, and closure processes.
4. **Hearing Service:** Schedules hearings, checks available slots, and returns hearing details.
5. **Database:** Stores all case records, documents, and hearing information.

#### Key Data Flows:

- **Login Flow:** Credentials go from UI to Hearing Service for authentication; session management returns.
- **Case Management:** Case details from UI go to Case Service, then to Database for storage. Confirmation returns to UI.
- **Document Handling:** User uploads documents via UI; Document Service stores and links them to the case, with reference data and upload status sent back.

- **Hearing Scheduling:** UI sends hearing requests to Hearing Service, which interacts with the Database and returns scheduling info.
- **Case Closure:** Closure requests go through Case Service, updating the database and returning closure status.