

Data Flow Diagram (DFD) for my-auth-app

Level 0: Context Diagram

This is the highest-level view of the system, showing the overall flow of data between the system and external entities.

Components

- External Entity: User**
 - Interacts with the system by entering login credentials (email and password).
- Process: My-Auth-App System**
 - Handles user authentication and displays the login form.
- Data Store: Credentials**
 - Stores the user's input (email and password) temporarily during the login process.
- Output: Login Result**
 - Displays the result of the login attempt (success or error message).

Diagram:



Level 1: Detailed DFD

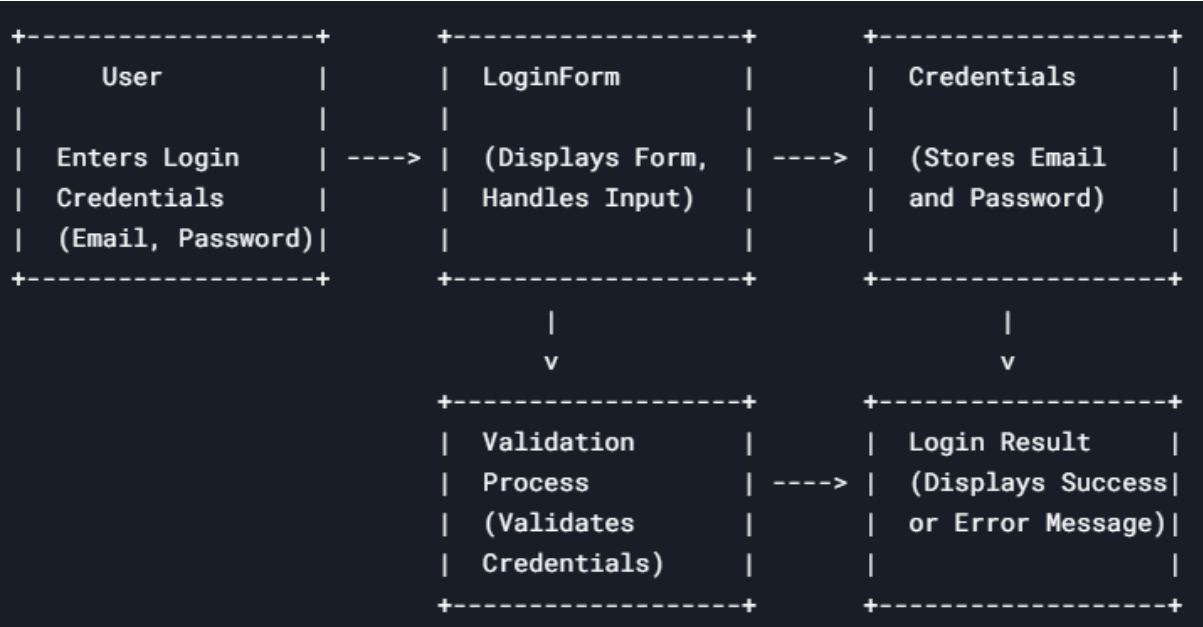
This breaks down the **My-Auth-App System** into its sub-processes and shows how data flows between them.

Components

- User:** Enters login credentials (email and password).
- LoginForm:** Displays the login form and handles user input.

- 3. **Validation Process:** Validates the user's credentials.
- 4. **Credentials:** Temporarily stores the user's input (email and password).
- 5. **Login Result:** Displays the result of the login attempt (success or error message).

Diagram:



Explanation of Data Flow

- 1. **User → LoginForm:** The user enters their email and password into the login form.
- 2. **LoginForm → Credentials:** The entered credentials are temporarily stored.
- 3. **LoginForm → Validation Process:** The credentials are validated.
- 4. **Validation Process → Login Result:** The result of the validation (success or error message) is displayed to the user.