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St.MOTHER THERESA ENGINEERING COLLEGE

COMPUTER SCIENCE ENGINEERING

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Completed the project named as

Phase 2

LOGIN AUTHENTICATION SYSTEM

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Phase 2 — Solution Design & Architecture

Tech Stack Selection

- **Frontend:** AngularJS (1.x version)
- **Backend:** Node.js with Express (for handling API requests)
- **Storage:** \$rootScope or \$cookies for session data
- **Styling:** Bootstrap (optional)

UI Structure / API Schema Design

Login Page:

- Fields: Username, Password
- Button: Login
- Displays error messages.

Dashboard Page:

- Shows username.
- Logout button to end session.

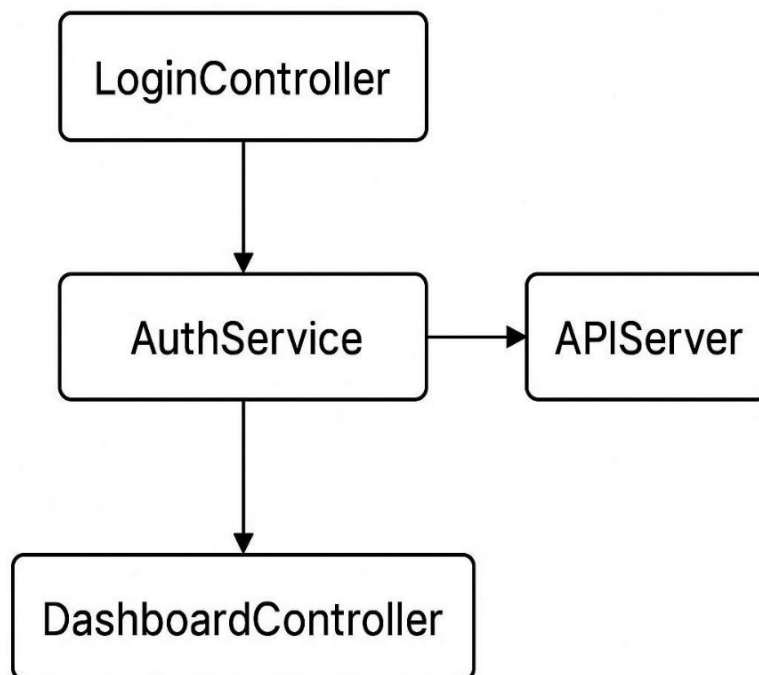
API Schema Example:

```
{  
  "username": "string",  
  "password": "string"  
}
```

Data Handling Approach

- Use AngularJS service (AuthService) to manage authentication state.
- Store session information in \$rootScope or browser cookies.
- Send user credentials to the backend via \$http.
- Handle API responses to update UI and manage session.

Component / Module Diagram



Basic Flow Diagram

