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COMPUTER SCIENCE ENGINEERING

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Completed the project named as

Phase 1

LOGIN AUTHENTICATION SYSTEM

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Phase 1 — Problem Understanding & Requirements

Problem Statement

The goal of this project is to create a secure login authentication system where users can log in with valid credentials. The system will handle session management using AngularJS services and scopes, allowing users to stay logged in during their session and log out when needed.

Users & Stakeholders

Users:

- Registered users who need access to their personal dashboard.
- Administrators (optional) managing user accounts.

Stakeholders:

- Project supervisor or instructor reviewing the implementation.
- End users needing a secure login system.

User Stories

1. As a user, I want to log in with my username and password so I can access my account.
2. As a user, I want to see error messages if I enter wrong credentials.
3. As a user, I want to remain logged in until I choose to log out.
4. As an admin, I want to view user sessions and logs (optional future feature).

MVP Features

- Login form with username and password inputs.
- Authentication through a REST API.
- Session management using AngularJS services and scopes.
- Logout functionality.
- Input validation and error handling.

Wireframes / API Endpoint List

Wireframe:

- Login Page with form inputs and error messages.
- Dashboard Page showing user details and logout option.

API Endpoints:

- POST /api/login – For user authentication.
- POST /api/logout – For destroying sessions.
- GET /api/profile – To fetch logged-in user details (optional).

Acceptance Criteria

- Users must successfully log in with correct credentials.
- Users must see an error message for invalid inputs.
- Users should be redirected to the dashboard after logging in.
- Users must be able to log out and clear their session.
- Session must persist while the user is active in the app.