

Brijeshkumar Himmatbhai Dholakiya (127201)

Mohammad Chehreghani Montazer (125531)

Project e-learning-platform

Maintenance

Implemented features for the project are as follows:

1. User Registration

- **Validation:**
 - Unique username and email to prevent duplicates.
 - Password must be at least 6 characters long.
 - Full name is required.

2. User Authentication (Login)

- Users can log in using their registered username or email along with their password.
- **Validation:**
 - Username/email and password fields must not be empty.
 - Email must include "@", followed by the domain ".com".
 - Password length must be at least 6 characters.

3. Home Page

- After successful login, users are directed to the home page, which displays all uploaded materials by authors in a table format.
- **Features:**
 - Search functionality to locate materials by author name, material name, or material ID.
 - Reset button to clear search filters.
 - Ability to sort materials in ascending or descending order.

4. Material Management

- Users can upload the materials.
- Users can delete their own uploaded materials but cannot delete materials uploaded by others.
- Users can edit their materials. The same validations applied during material upload are enforced here.
- Users can download the materials uploaded.

5. Profile Updates

- Users can update their given profile details that are created for them during the registration process. The editable fields include E-Mail address, name, and password.
- **Validation:** Users cannot submit the form without making any changes.

6. Notifications

- Upon successful API interactions, users receive success notifications.

7. Logout Functionality

- Users can log out from their session via the logout tab.

8. Navigation

- Post-authentication, users can navigate through different screens using tabs.

9. Upload Restrictions

- Users can only upload materials up to a size of 500 KB.

These features are designed to enhance user engagement and ensure data integrity and security within the application.

Improvement on an implemented feature and implementation of an unmentioned feature:

- Improvement of an existing feature
 1. Stated in client's handover document (handover1.pdf):
"The file management functionalities, particularly file upload and user authentication."
 2. Our improvement:
Sorting and searching functionalities on the home page after login, improving how users interact with the uploaded content.
- 3. The client's document mentions file management but is limited to command-line operations.
- 4. Our improvement:
Introduction of a graphical interface for viewing and interacting with uploaded authors' materials in a table format. This graphical enhancement significantly improves the user interface compared to the CLI-focused approach previously described.

- New Features to Implement
 1. Logout functionality and user profile updates
 2. Editing materials by users
 3. A more dynamic interaction with uploaded content, enhancing user engagement and control over their materials
 4. Profile Updates: The ability for users to update their profiles (email, name, passwords) with validations to ensure changes are made before submission. This feature adds a layer of personalization and security that enhances user management capabilities beyond what was originally documented.