

Technology Requirements

- Node.js must be used with Express for the backend.
- All templates must use EJS for rendering. Other templating engines or frameworks (e.g., Handlebars, React) are not permitted.
- Implement authentication and role-based access using express-session.

Required Pages

Home Page:

- Provided as boilerplate.
- Displays buttons for "Login" and "Sign Up."

Registration Page:

- Allows users to register with a username, email, and password.
- Hash passwords using b-crypt before storing them.

Login Page:

- Allows users to log in with their email and password.
- Compare hashed passwords during authentication.

Landing Page:

- Redirect users here after login.
- For users, display a simple dashboard with their username.
- For admins, display all registered users with their email and role.

Logout:

- Provide a logout button on the landing page to log users out and destroy their session.

Functional Requirements

Authentication:

- Use sessions to authenticate users and persist their login state.

Role-Based Access:

- Admin users should be able to view all registered users.
- Regular users should only have access to their dashboard.

Error Handling:

- Display errors on login or signup pages when applicable.

Security:

- Hash passwords with b-crypt.
- Do not store plaintext passwords.

Data Storage:

- Store users in memory as an array of objects. (No database required.)