

User Manual

Backend URL:

<https://rbac-application-server.onrender.com>

Frontend URL:

<https://rbac-application-client.onrender.com>

User Credentials

- **SuperAdmin**
Email: superadmin@example.com
Password: SuperSecret123
- **Admin**
Email: praveennagaraj76@gmail.com
Password: praveen
- **User**
New users registered through the app are automatically assigned the role of "user".

User Roles and Access Levels

- **Super Admin:** Has full access to all dashboards and management features.
- **Admin:** Can access admin-specific dashboards with limited control permissions.
- **User:** Has basic access to personal dashboards and profile management.

Registration and Login

- Upon registration, new users are assigned the "user" role by default.
- There is no option for users to select roles during registration to maintain security.
- To log in, enter your registered email and password on the login page.
- On successful login, a JWT token is generated and stored to maintain the session.

- Users are redirected to their respective dashboards based on their assigned roles.
- Invalid login attempts will display appropriate error messages.
- Access to protected routes is restricted based on user roles.

Running the Project Locally

Prerequisites:

- Node.js (version 14 or higher recommended)
- A MongoDB database instance (either local or cloud-based such as MongoDB Atlas)
- Git installed on your computer

Setup Steps:

1. **Clone the repository:**
Use Git to clone the project repository and navigate into the project folder.
2. **Setup Backend:**
Navigate to the backend directory, install dependencies, create a `.env` file with your MongoDB URI and JWT secret, then start the backend server. The backend runs on port 3000 by default.
3. **Setup Frontend:**
Open a new terminal, navigate to the frontend directory, install dependencies, and start the React development server. The frontend will run on port 3000 or the next available port.
4. **Access the Application:**
Open your web browser and visit the frontend URL (usually <http://localhost:3000>). From here, you can register new users or log in with existing credentials. The displayed dashboard depends on the user's role.