

My task submission Documentation

Technologies Used:-

- For the database I use **Mondodb** hosted on mongo atlas cloud service.

Having two collections

Users: which stores basic information (username, email, password, role) about users of the system (employees and managers).

Leves: which stores information about submitted leave requests(employeeName, employeeEmail, managerName, managerEmail, leaveReason, leaveDate, postdate, status).

- **For the backend I use Nodejs running locally on port 8000**
- **For the frontend I use Angular running locally on port 4200**
 - For the UI elements I use Bootstrap and Bootswatch themes.
 - Urls:
 - <http://localhost:4200/register>: to register new user.
 - <http://localhost:4200/login>: to login a registered user.
 - <http://localhost:4200/posts>: to view leaves submitted by an employee.
 - <http://localhost:4200/accept>: to view submitted leaves by a manager and accept or reject them.
 - Validation is performed on all input fields.

As for authentication I use JWT to guard my routes and make sure only authorized users can view the application

- **How To Run the Solution:-**
 1. **Cd into the “backend-nodejs” directory**
 - Run **npm install** to install the dependencies
 - Run **node index.js** to run the server on port 8000
 2. **Cd into the “frontend-angular” directory**
 - Run **npm install** to install the dependencies
 - Run **ng serve** to run client on port 4200
- **The database contains 4 user to view**
 1. Email: employee@hotmail.com password: a123
 2. Email: manager@hotmail.com password: a123
 3. Email: employee2@hotmail.co password: a123
 4. Email: manager2@hotmail.com password:a123

- **Note:-**

- employee and manager already have data to view.
- employee2 and manager2 are empty.