

# ASSIGNMENT

## MERN STACK DEVELOPMENT



### NodeJs

---

1. Create a basic NodeJs App and start Express server which greets user when he sends a get request to it.
2. Create a database in MongoDB and connect it with your Nodejs application using mongoose, then create an API to register user and insert the data in database, take the following fields from user:

=> firstname  
=> lastname  
=> email  
=> phone  
=> address  
=> password

\*Note - Use hashing to store password in database.

3. Create a post request which takes user's email and password from payload, and validates its email and password from database, generate the Json Web Token using user's Id and send this token in response.
4. Create a get request which sends user's details in response. Add authorization to this API, use JWT based authorization to validate user's token and then send user's profile details (firstname, lastname, email, phone, address only).

# React

---

Create a react app which has following pages -

## 1. User Registration :

Take the following details from user and post it to the API which you'll be going to create in NodeJs application.

- => firstname
- => lastname
- => email
- => phone
- => address
- => password

## 2. User Login:

Create a login page where user can enter their email and password. In this page you have to send login request to the backend and store the token you receive in response in order to manage login session.

## 3. User Profile Page:

Create a page which in which user can view their information like there name, email, phone etc.. Make This page will only be accessible for logged in users. Use API to get user's information from backend(Nodejs). Since this API require authorization, so make use of the token in headers for accessing API.

## Note :

---

All the tasks should be done on single Nodejs application. Once you are done, upload the source files on github and share the respository with us.