

## Backend

This is an example of how you may give instructions on setting up your project locally. To get a local copy up and running follow these simple example steps. Prerequisites

This is an example of how to list things you need to use the software and how to install them.

N.B: First install node js latest version. Then install npm install npm@latest -g.

Now go to the phase 3 directory. In this, you can see two folders server and client

First, open the server folder, and in the server directory, you can see the package.json file. In this file, all the dependencies are added. Open terminal in server folder and command “npm install”, That will do the package installation. If .env not found in server folder create .env file and add

```
{  
  
global_DB=mongodb+srv://mtrshuvo:neQa3u1mbLNhpFqF@cluster0.dlp7p2q.mongodb.net/?retryWrites=true&w=majority  
  
JWT_SECRET_KEY=SECRET  
  
NODE_ENV=development  
  
SALT_ROUNDS=10  
  
DB_PASSWORD=neQa3u1mbLNhpFqF  
  
}
```

. After successfully the installation type another command “npm start” that will start the server. If successfully run, you should see the “successfully connected to DB”.

## Frontend

First, open the client folder, and in the client directory, you can see the package.json file. In this file, all the dependencies are added. Open terminal in server folder and command “npm install”, That will do the package installation. If .env not found in server folder create .env file and add

```
{  
  
REACT_APP_API=http://localhost:3001/api  
  
}
```

.After successfully the installation type another command “npm start” that will start the client server. If successfully run, you should see the “successfully connected to DB”. For first time admin login userid 1001 and password 123456

# Api Documentation

## 1. Sign in

Authenticate the user with the system and obtain the auth\_token

### Request

Method	URL
POST	api/users/signin

Type	Params	Values
Body	nsId password	string string

nsId, the password must be in the request body.

### Response

Status	Response
200	<pre>{   "message": "Successfully Login",   "data": {     "_id": "62e62f70b51f09d42b36e82c",     "name": "systemadmin",     "role": "admin",     "updatedAt": "2022-08-06T04:18:43.560Z",     "nsId": "1001"   },   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2MmU2MmY3MGIlMWYwOWQ0MmIzNmU4MmMiLCJuYW11IjoiYnNnqlOoQfrYeGIljjVn53wo" }</pre>
400	<pre>{"error": "Wrong credentials."}</pre>
500	<pre>{"error": "Something went wrong. Please try again later."}</pre>

## 2. Change Password

For changing password,

### Request

Method	URL
PUT	api/users/changepassword

Type	Params	Values
Headers	Authorize_token	
Body	nsId	string
	password	string

Password must be at least 5 or more character.

### Response

Status	Response
200	{ "message": "Password changed successfully" }
400	{ "message": "User not found" }
500	{“Password not changes”}

### 3. Project create

#### Request

Method	URL
Post	api/projects/create

Type	Params	Values
HEADERS	Authoriazation(token)	string
Body	Title	string
	Description	string
	startDate	string
	endDate	string
	projectLead	string

#### Response

Status	Response
200	<pre>{   "message": "Project create successfully",   "data": {     "title": "project three",     "startDate": "2023-05-10T00:00:00.000Z",     "endDate": "2023-10-01T00:00:00.000Z",     "description": "This project is for research",     "projectLead": "shuvo",     "_id": "62ee1a0039109e6734c621cc",     "createdAt": "2022-08-06T07:36:32.568Z",     "updatedAt": "2022-08-06T07:36:32.568Z",     "__v": 0   } }</pre>
400	<pre>{ "message": "Already title exist" }</pre>
500	<pre>{"message": "Something went wrong"}</pre>

## 4. single project update

### Request

Method	URL
PUT	api/projects/:projectid

Type	Params	Values
HEADERS	Authoriazation(token)	string
Body	Title	string
	Description	string
	startDate	string
	endDate	string
	projectLead	string

### Response

Status	Response
200	<pre>{   {     "message": {       "_id": "62ee1a0039109e6734c621cc",       "title": "project three",       "startDate": "2023-05-10T00:00:00.000Z",       "endDate": "2023-10-01T00:00:00.000Z",       "description": "Project updated",       "projectLead": "shuvo",       "createdAt": "2022-08-06T07:36:32.568Z",       "updatedAt": "2022-08-06T10:27:46.245Z",       "__v": 0     }   } }</pre>
400	<pre>{ "message": "Project not found" }</pre>

## 5. get single project

get individual project

### Request

Method	URL
GET	/api/projects/:projectid

Type	Params	Values
HEADERS	Authoriazation(token)	string

### Response

Status	Response
200	<pre>{   "data": {     "_id": "62ee1a0039109e6734c621cc",     "title": "project three",     "startDate": "2023-05-10T00:00:00.000Z",     "endDate": "2023-10-01T00:00:00.000Z",     "description": "Project updated",     "projectLead": "shuvo",     "createdAt": "2022-08-06T07:36:32.568Z",     "updatedAt": "2022-08-06T10:27:46.245Z",     "__v": 0   } }</pre>
400	<pre>{ "message": "Project not found" }</pre>
500	<pre>{"message": "Something went wrong"}</pre>

## 6. delete single project

Delete single project

### Request

Method	URL
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<b>POST</b>	api/projects/:projectid
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Type	Params	Values
HEADERS	Authorization(token)	string

## Response

Status	Response
200	{ "message": "Deleted successfully" }
400	{ "message": "something went wrong" }

## 7. getAllProejct

### Request

Method	URL
<b>GET</b>	api/projects/

Type	Params	Values
HEADERS	Authoriazation(token)	string

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## Response

Status	Response
200	<pre>{   "data": [     {       "_id": "62ed7143ec55c08450b8e998",       "title": "project one",       "startDate": "2022-05-10T00:00:00.000Z",       "endDate": "2023-01-01T00:00:00.000Z",       "description": "This project is for research",       "projectLead": "Faysal",       "createdAt": "2022-08-05T19:36:35.608Z",       "updatedAt": "2022-08-05T19:36:35.608Z",       "__v": 0     },     {       "_id": "62ed746a0fda692ba5366acc",       "title": "project two",       "startDate": "2022-05-10T00:00:00.000Z",       "endDate": "2023-01-01T00:00:00.000Z",       "description": "This project is for research",       "projectLead": "shuvo",       "createdAt": "2022-08-05T19:50:02.783Z",       "updatedAt": "2022-08-05T19:50:02.783Z",       "__v": 0     },     {       "_id": "62ee1a0039109e6734c621cc",       "title": "project three",       "startDate": "2023-05-10T00:00:00.000Z",       "endDate": "2023-10-01T00:00:00.000Z",       "description": "Project updated",       "projectLead": "shuvo",       "createdAt": "2022-08-06T07:36:32.568Z",       "updatedAt": "2022-08-06T10:27:46.245Z",       "__v": 0     }   ] }</pre>
400	<pre>{"message": "Projects not found"}</pre>



## 8.filterProject

For query project by project lead, query should be **api/projects?projectLead=shuvo** and if date duration count. And if you want to filter start date and end date then api should be **api/projects?projectLead=shuvo&startDate=2022-01-01&endDate=2023-01-01**.

You can search individual, like search by only project lead, then start and end date.

### Request

Method	URL
POST	api/projects?

Type	Params	Values
HEADERS	Authoriazation(token)	string
Body	projectLead	string
	startDate	string
	endDate	string

### Response

Status	Response
200	<pre>{   "message": "Password Changed successfully",   "data": {     "_id": "62891684125aff920ab00c1e",     "name": "roney",     "ns1Id": "10006",     "password": "12345",     "role": "user",     "isFirstTimeLogin": true,     "createdAt": "2022-05-21T16:42:44.410Z",     "updatedAt": "2022-05-21T16:42:44.410Z",     "__v": 0   } }</pre>
400	<pre>{"message": "wrong credential"}</pre>
500	<pre>{"message": "Password not changes"}</pre>

Documentation for Phase 3 Project

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