

**„Fullstack Application Development with Node.js + Express.js + React.js + MongoDB - 2018“**

Project name

**GoalReacher**

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# Summary

There are a lot of people who need to achieve a goal. They are determined but the lack just one thing to make their life easier. This is where **GoalReacher** comes to aid those in need. **GoalReacher** is a web app which helps those people organise their time, goals and motivates them to keep going. **GoalReacher** provides you with the options to create an account, set your goals, manage your daily routine, track your progress and much more.

# Main Use Cases / Scenarios

|  |  |  |
| --- | --- | --- |
| **Use case**  **name** | **Short description** | **Actors Involved** |
| **1. Keep track of the weather** | The *registered user* is able to check the weather depending on where he’s logged from. | *Registered User* |
| **2. Set Goals** | The *registered user* is able to set their goals for the future. | *Registered User* |
| **3. Set Daily Tasks** | The *registered user* is able to set their daily task for this day. | *Registered User* |
| **4. Motivate** | The *registered user* is able to see a random inspiration quote to motivate themselves. | *Registered User* |

# Used Libraries

The application is created by using these libraries: Axios, Express, Loopback, jQuery, React, React-dom, React-router-dom.

# Architecture

The main architecture of the application is made up of two model, which fill the data in the database – *Motivation* и *User-Info.*  In the folder *client\_src/src* – are the components abd the views of the application.

|  |  |  |
| --- | --- | --- |
| **Page**  **Name** | **Short Description** | **URI** |
| **1. Home** | The *Registered User* is represented with a page, informing him about the weather near him. | / |
| **2. Set Goals** | *Registered User* can set goals. For example, “Learn Java”. They can also be edited and deleted. | /goals |
| **3. Daily Tasks** | *Registered User* can delete/edit or set his daily routine. For example, “Wash Dishes”. They can also be edited and deleted. | */daily* |
| **4. Motivation** | A *Registered User* can click this option in order to see a random inspirational quote. | */motivation* |
| **5. Change Password** | A *Registered User* is able to change his account details. | */manageProfile* |

Every shown view is called in *src/app.js.* In every page there is a Navigation component from *menu/Menu.js*. The main page is in *src/Home.js*. Before the user is logged it, he/she is presented with an Intro page, which can be found in *src/Intro.js.* For the rest of the views, Goals, Daily Tasks, Manage Profile, Motivation it is identical, they can be found in src/{ViewName}.js.

# 

# API Resources

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name for the request** | **Method** | **Short Description** | **Status code for success** | **Status code for a failure** | **URI** |
| **1. Register** | POST | A new user is being registered | 200 | 404 | */api/Users/login* |
| **2. Login** | GET | Get logged user’s database information and the app uses it accordingly. | 200 | 404 | */api/UserInfos/findOne* |
| **3. Goals** | GET | *User Data* goals with specified *userId*. | 200 | 404 | */api/UserInfos/{userId}* |
| **4. Daily Routine** | GET | *User Data* daily tasks  with specified *userId*. | 200 | 404 | */api/UserInfos/{userId}* |
| **5 Motivation** | GET | *Motivation quotes* for the whole database. | 200 | 400 | */api/motivations* |
| **6. Change Password** | POST | Change account’s password. | 200 | 400 | */api/Users/change-password* |

# Installation

In order to run the project you need to have Node and MongoDB installed.

1. Clone the repository in your folder by writing the “*git clone https://github.com/Dan4ito/GoalReacher”* command.

2. Open the command prompt in the main directory and write the “*npm install*“ command to get the server packages.

3. In the command prompt open *client\_src* folder write the “*npm install*“ command to get the front-end packages.

4. While in *client\_src* still, run “npm run build”.

5. Finally run “cp –r build/\* ../client/” while in *client\_src*.

6. Open GoalReacher folder again and start the web app by executing “npm start”.

7. Go to http://localhost:3000/