Advanced Web Applications Course Project

Contents

Used technologies

What was used	What used for	Why
express	backend/routing	It's what I was familiar with
MongoDB	database	It's what I was familiar with
Mongoose	connecting to database	It's what I was familiar with
bcryptjs	encryption	It's what I was familiar with
passport	session authorisation	It's what I was familiar with
react	front-end	It's what I was familiar with, and I wanted to use a frontside framework
materializecss	styling	It's what I was familiar with

Installation

prerequisites:

node.js (tested on version 20.15.0)

npm

To install:

1. clone repository
2. run "npm run preinstall"
3. run "npm run install"
4. set "SECRET" in "./server/.env" to a random string
5. install and run a mognodb server such that it can be connected to at "mongodb://localhost:27017/projectdb"

To run production:

1. set "NODE_ENV=production" in "./server/.env"
2. run "npm run build"
3. run "npm start"
4. open a browser and navigate to "localhost:1234"

To run development:

1. set "NODE_ENV=development" in "./server/.env"
2. run "npm run dev:server"
3. run "npm run dev:client" in another command line instance
4. a browser should open to localhost:3000

Using app

When you first open the page, you should be redirected to /login where you can either log in or register. Once you have done one of the two, you should be sent to the main view where you can like and dislike users and open chats by clicking a user in the sidenav. You can also use the options in the top-right corner to navigate.

If you try to open a page other than login or registration while your session is not authorized, you will be redirected to the login page.

On the main page you can like the shown user by clicking the green arrow on the right or dislike the red arrow on the left.

You can only message users if you both have liked each other.

The following restrictions are set on user inputted fields:

email should be a valid email

username should be 1-256 characters long

password should be at least 8 characters long, contain a small letter, a capital letter, a number and a special character

Points

Feature	points
Basic features (as stated in the previous chapter) with well written documentation	25
Utilization of a frontside framework, such as React, but you can also use Angular, Vue or some other	5
total	30