Title and Cover Page

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    ADVANCED DATABASE SYSTEM (QHO541)

Solent University Manchester Branch

Student name: Ivan

Student number:10103365

Module title: Advanced Database System (QHO541)

Module leader: Dr Ajmal Gharib

Web application link: http://localhost:3001/
Git Repository: https://github.com/Tervel10/Assessment-
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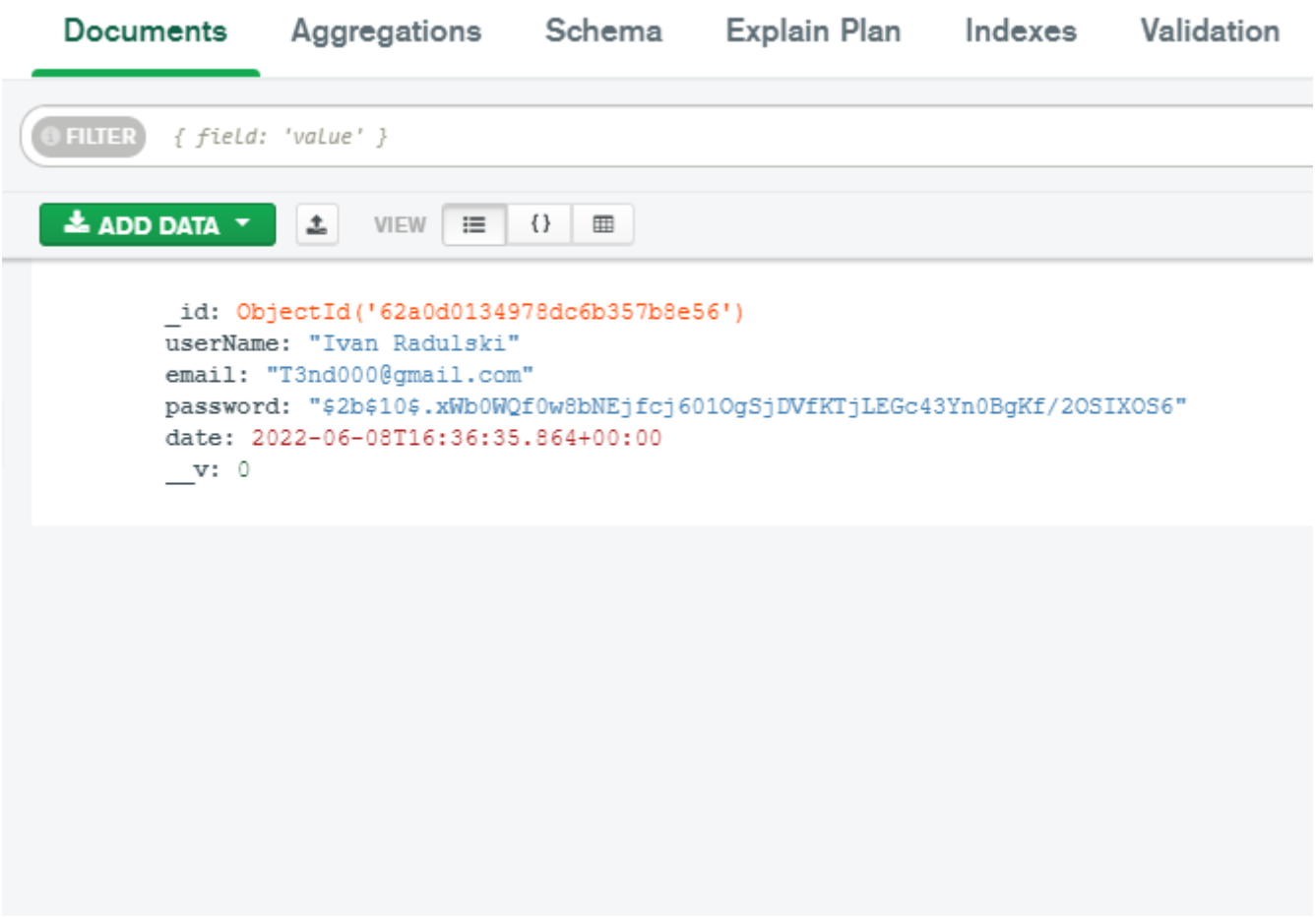
Introduction

Creating of this project and the request for this module give us vision for what developers job is. Giving us a clue of structure and criteria for planning and create a full stack web application. Developing and design from zero it wasn`t a easy task to do, creating a web pages, connected to each other with paths and routes with secured connection to database, installing scripts and dependencies gives a lot of questions and errors which had take time to understand and fix it. But satisfaction of achieving results and building a knowledge worth it.

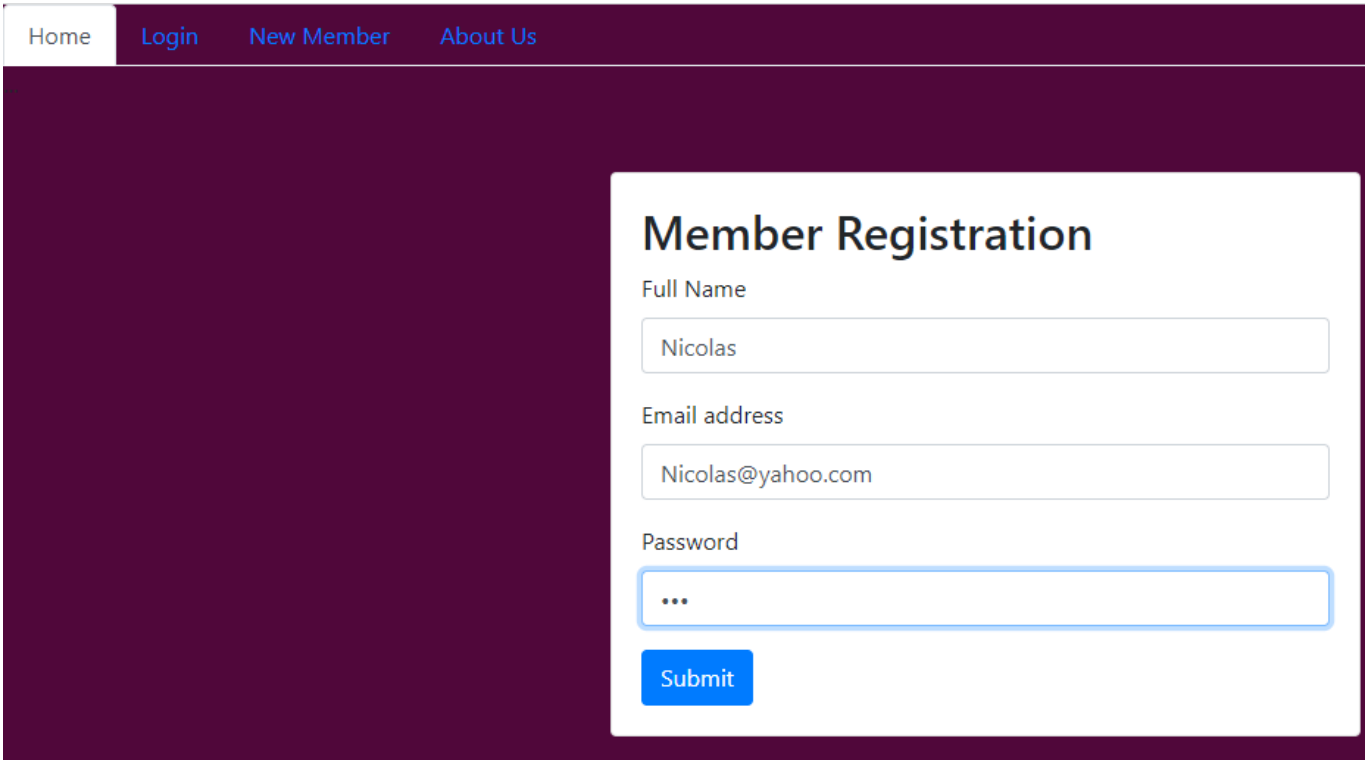
System overview

As a full stack web application should be created front end related to the client, back end ralated to server software and both needs connected to data base

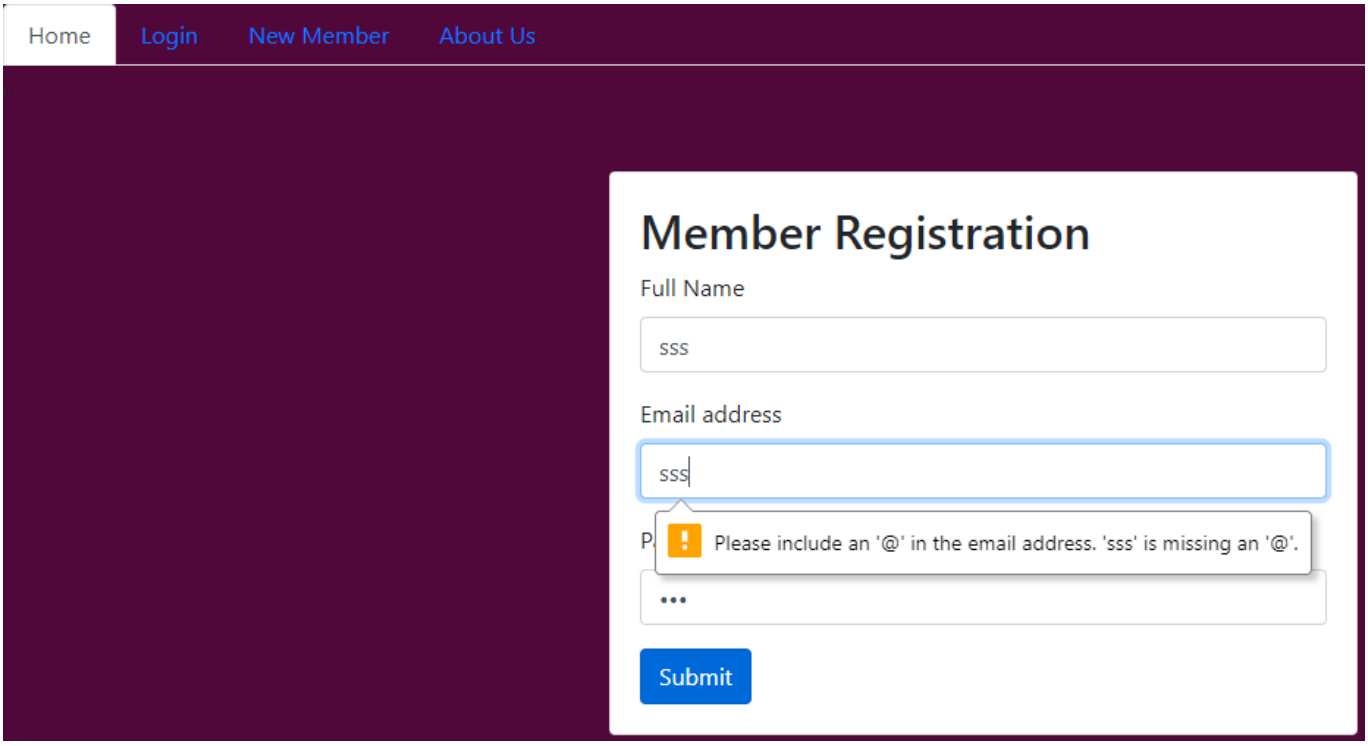
- As a data server for this project its used MongoDB with localhost:27017



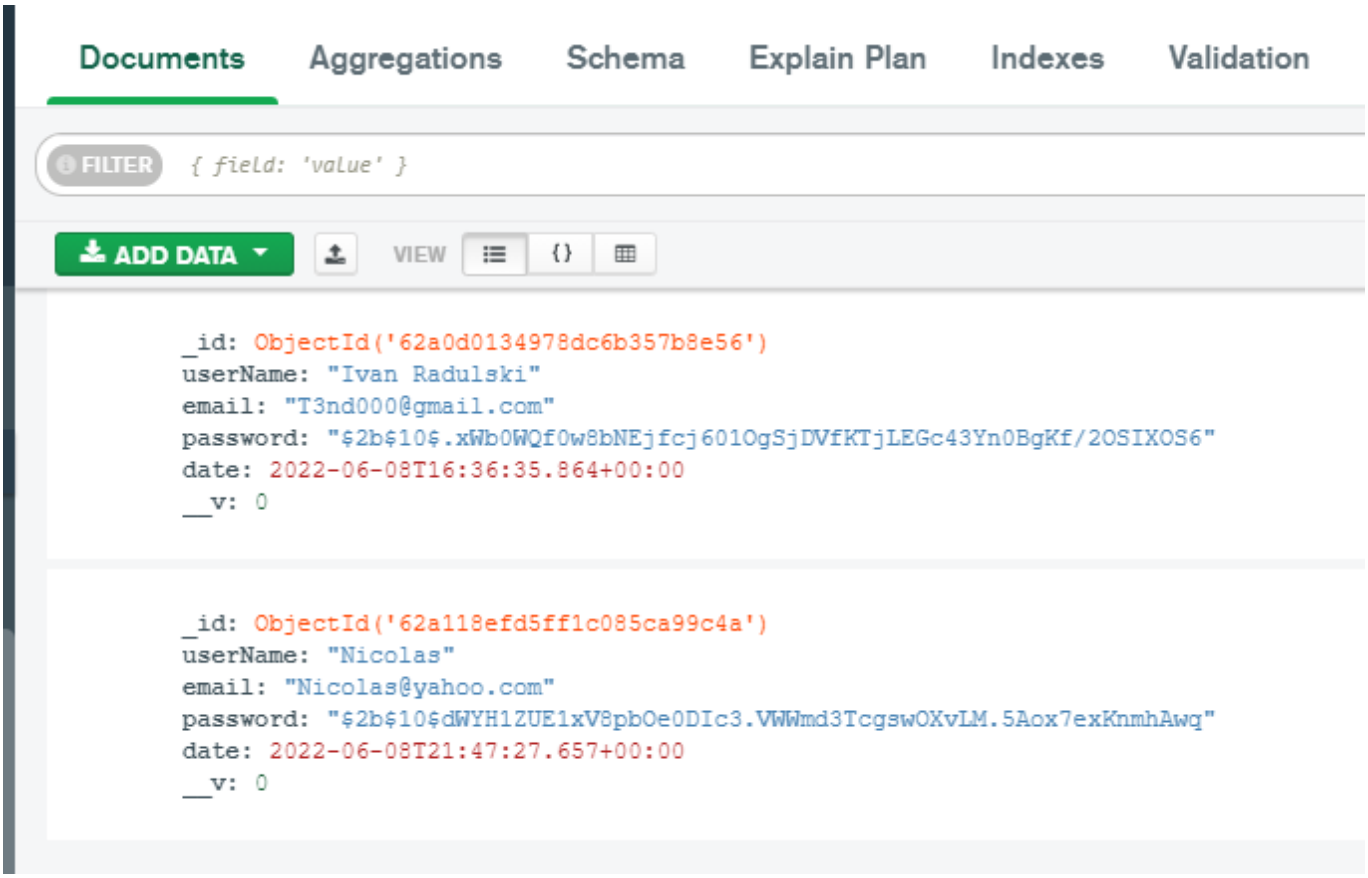
In database used for this project have only one added member



Registering a new member in our database from the website by pressing a Submit button.



Requesting for a real Email address

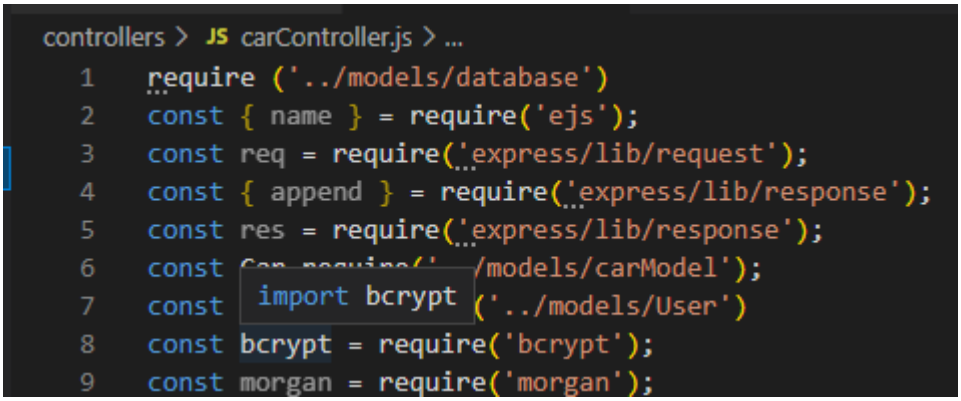


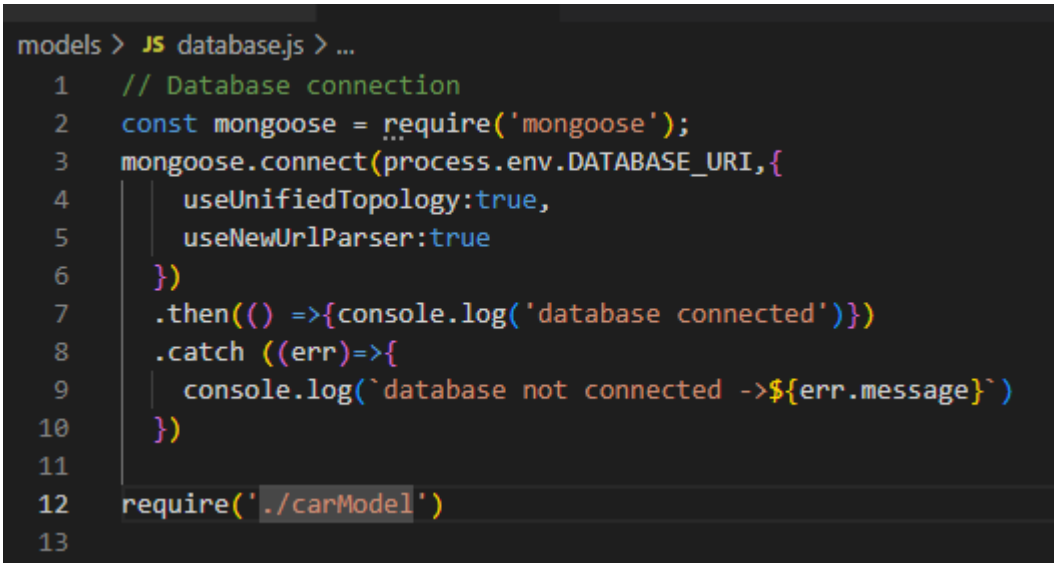
As can see in our data is added a new object with the same details submited from the website with bcrypt password for secure purpose

Key Desing Decisions

for this project has been used .ejs
NodeJS backend framework has been created on Express.js as a standart framework which provide features to create a web app its easy to use and frovides various feautures which make a developer work easier. Its very flexible and light framework to use.
Express.js gives advantage as easily use and light framework to others frameworks as Koa, Hapi.js, Meteor.js and other.

For DB we are using json export file type, Mongoose module is used to connect the backend and database comminication, Mongoose is a object database modeling traslating codes from NodeJS to MongoDB data base





Security and scalability

Conclusion and Reflection