**IFT 458/598 Middleware Prog & Database Security! MW (2022 Fall)**

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## Module 8 Assignment ****: Final Project****

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Step 1: App(server.js) running without any errors

A screenshot of a computer

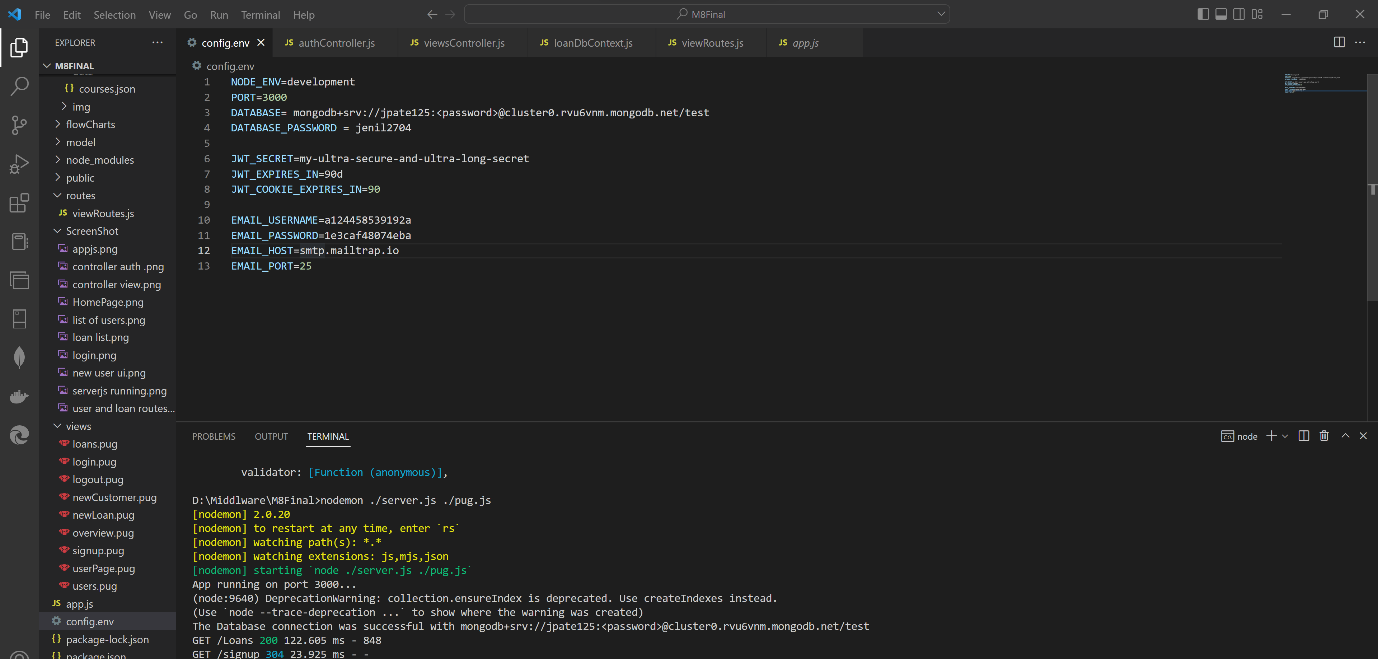
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Step 2: App.js File

A screenshot of a computer

Description automatically generated with medium confidence

Step 3: Config.env file



Step 4: View Controller.js

Text

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Step 5: Auth Controller.js

Text

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Step 6: Loans Routes

Text

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Step 7: User Routes

Text

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Step 8: Postman Tests

1. Home Page

Graphical user interface, text, application, email

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1. User List

Graphical user interface, text, application, email

Description automatically generated

1. Create User

Graphical user interface, text, application, email

Description automatically generated

1. Loan List

Graphical user interface, text, application, email

Description automatically generated

1. New Loan

Graphical user interface, text, application, email, website

Description automatically generated

Step 9: Home Page

Graphical user interface, text, application

Description automatically generated

Step 10: List of User

Timeline

Description automatically generated

Step 11: Loan List

Table

Description automatically generated

Step 12: Login

Graphical user interface, application

Description automatically generated

Step 13: New User

Graphical user interface, application

Description automatically generated

Step 14: Mongo Db Database

1. Loan List

Graphical user interface, text, application, email

Description automatically generated

1. User List

Graphical user interface, text, application, email

Description automatically generated

Step 15: Flow Diagram for new user and loan creation

Diagram

Description automatically generated

Step 16: Flow diagram for existing user and loan list

Graphical user interface, diagram, application, Teams

Description automatically generated

Step 17: Data Model with validations for user and loans

Diagram

Description automatically generated

End to End Applications Running

1. Landing Page or Home Page

Graphical user interface, text, application

Description automatically generated

1. New User ( For a new user who is new to the banking system)

Graphical user interface, application

Description automatically generated

1. Login ( If the current user want to do operations)

Graphical user interface, application

Description automatically generated

1. List of Users( list of user which exist)

Timeline

Description automatically generated

1. Loan List(Loans taken by the user)

Table

Description automatically generated

**Project Estimate and Risks outlined.**

Project estimation includes cost, time, scope, resources, quality and risks.

* Cost: Project should be completed within a budget. This project requires a team of 6-7 developers and 3 testers. This project will also need to have a servers as well. So estimate cost would around 150K USD.
* Time: Project must be scheduled. The servers and apps to launched on time, which required multiple tasks to be completed such as getting right hardware and software services on time.
* Scope: Project’s each and every sub tasks must be done.
* Resources: There are hardware requirements, software requirements and service requirements to complete a project.
* Quality: Project must be delivered with right quality. Such as stable and optimized database software and UI. Server requirements must be at a level of optimal performance as multiple students will access the site or application.
* Risks: Error can occur during the development of the project or any server error can also occur so team have to be prepared for that.

**Github Code:**

<https://github.com/jeniljz/IFT598Middleware-M8A2>