

Installation Manual

for

Recommender System

Prepared by Izzat Ariz Bin Harun

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1.0 Introduction

The installation manual provides step-by-step instructions on how to install and set up the system on your device. The manual is designed to be user-friendly and easy to follow, with clear explanations and illustrations.

1.1 Purpose

The purpose of a software installation manual is to guide users through installing and setting up software on their devices. The manual provides clear and concise instructions on downloading, installing, and configuring the software, ensuring a successful installation. The manual also serves as a reference for users who need to reinstall or troubleshoot the software in the future. Overall, the purpose of the software installation manual is to provide a user-friendly and efficient guide for installing and using the software.

2.0 Pre-Installation Requirements

Operating System: Windows, Linux, MacOS

However, this installation manual will focus on Windows Operating System.

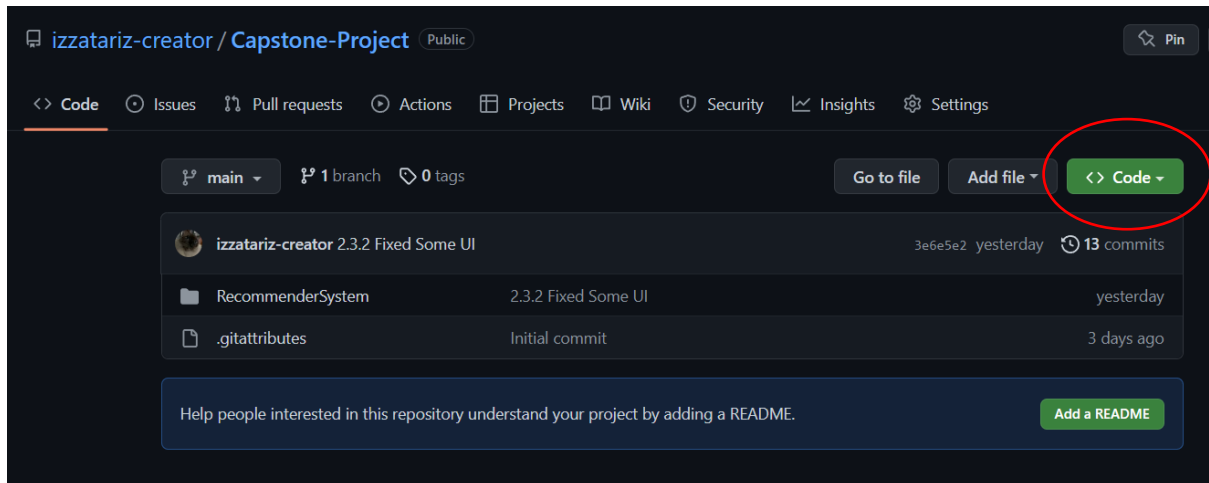
Database: Microsoft SQL Server Management Studio 19

Integrated Development Environment (IDE): Visual Studio, Visual Studio Code

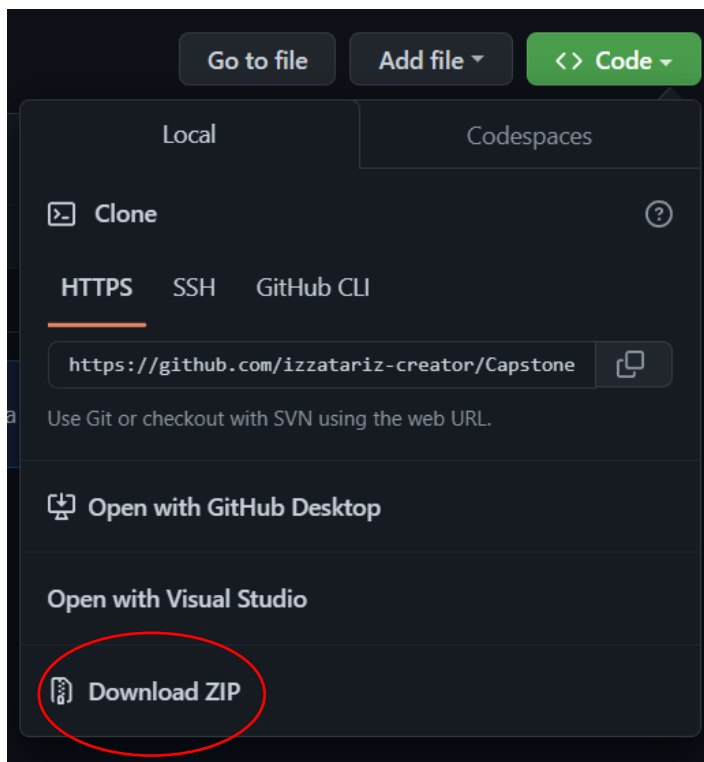
Others: Node Package Manager (npm)

3.0 Installation Process

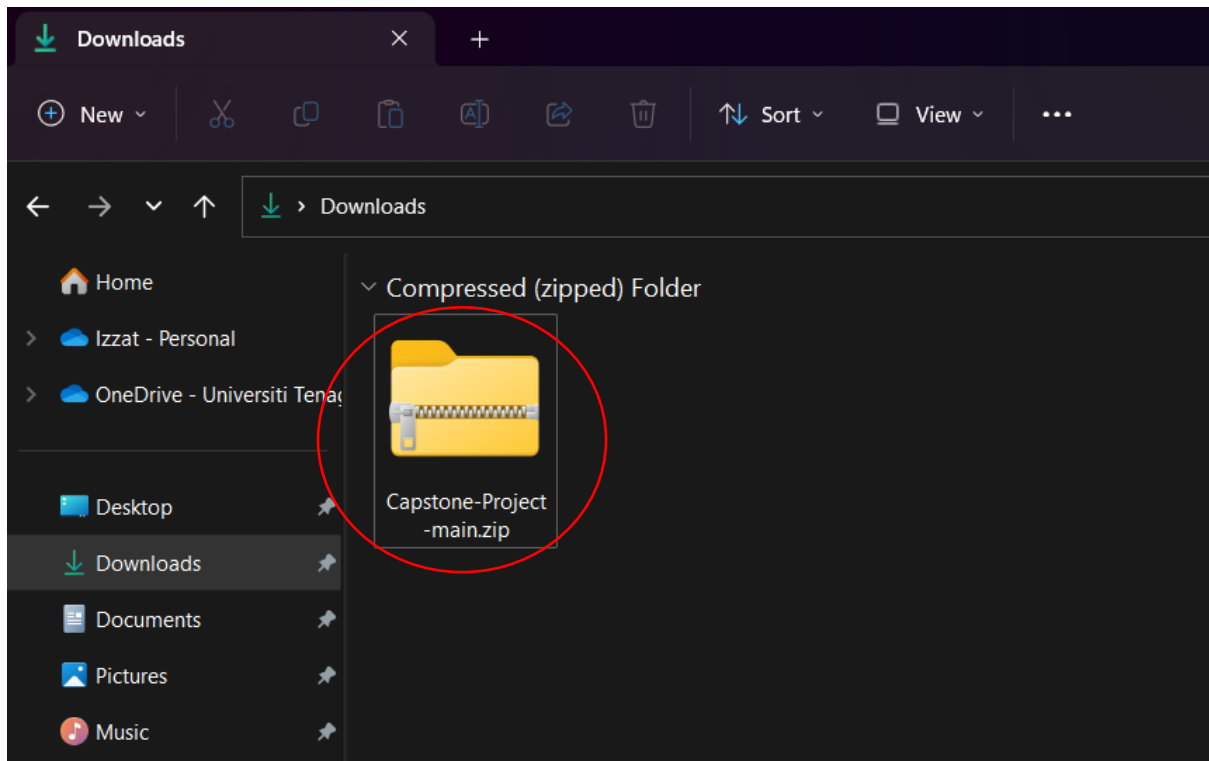
Step 1: Go to this GitHub link: <https://github.com/izzatariz-creator/Capstone-Project>



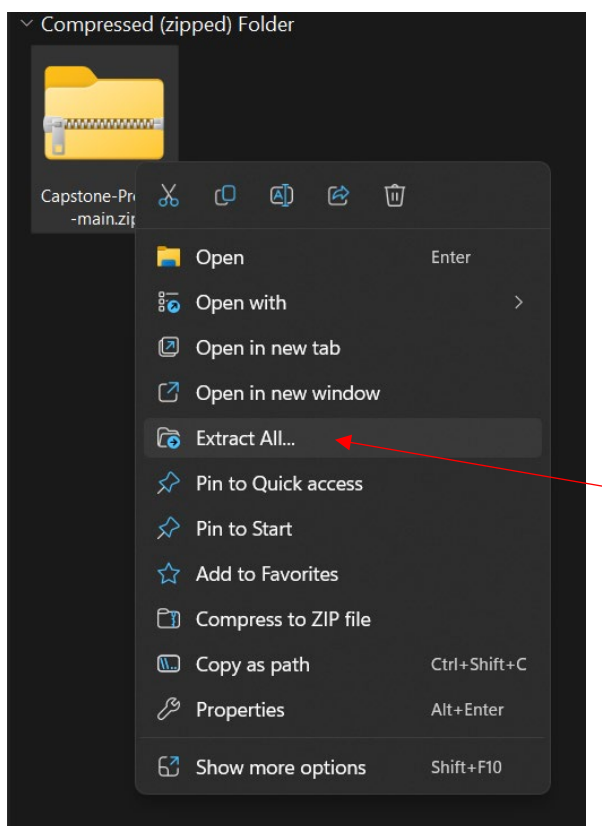
Step 2: Click on the “Code” dropdown button



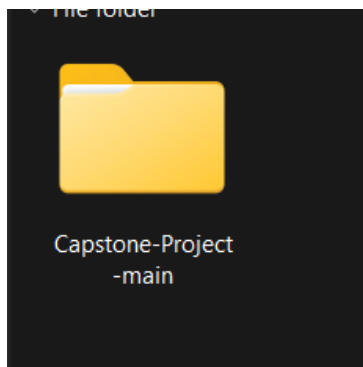
Step 3: Click on the Download ZIP. The file download process will begin.



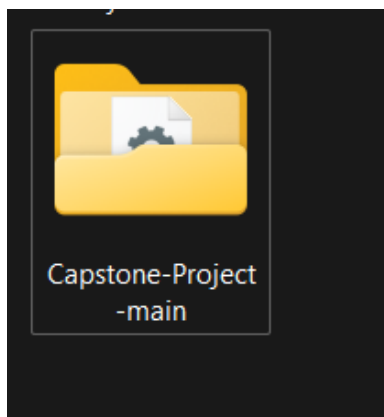
Step 3: Locate the downloaded file. Right-click the file.



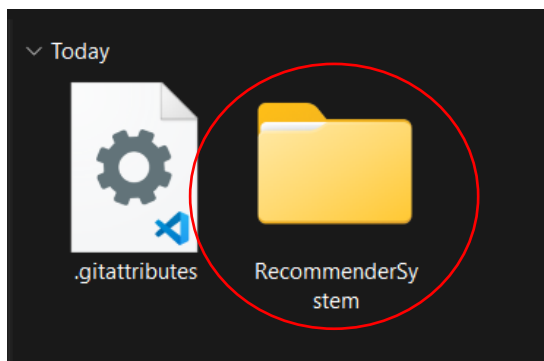
Step 4: Click on Extract All to extract the ZIP file



Step 5: Click on Extracted Folder – Capstone-Project-main

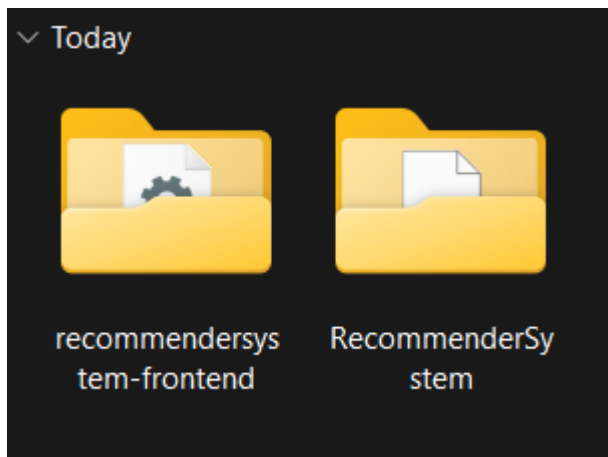


Step 6: Click on Capstone-Project-main



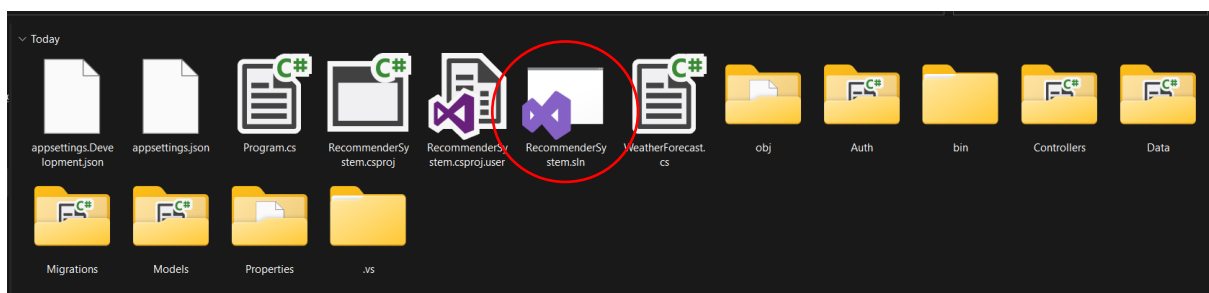
Step 7: Click on RecommenderSystem folder

3.1 Starting the backend

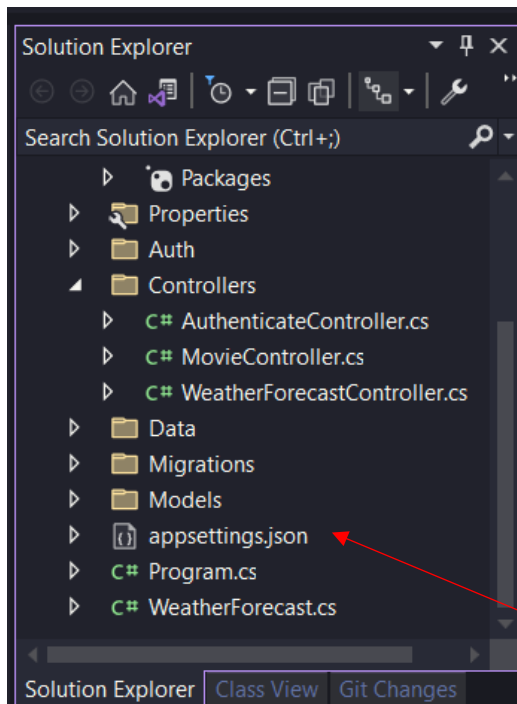


Continue from the previous step

Step 1: Click on RecommenderSystem folder



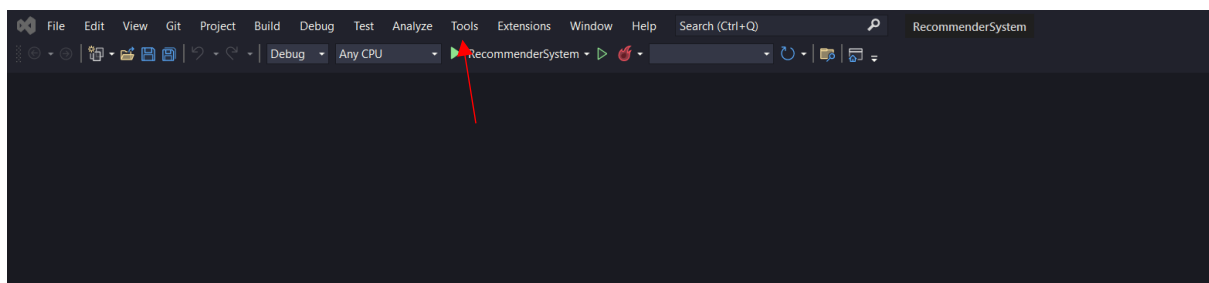
Step 2: Click on “RecommenderSystem.sln” to launch the program with Visual Studio



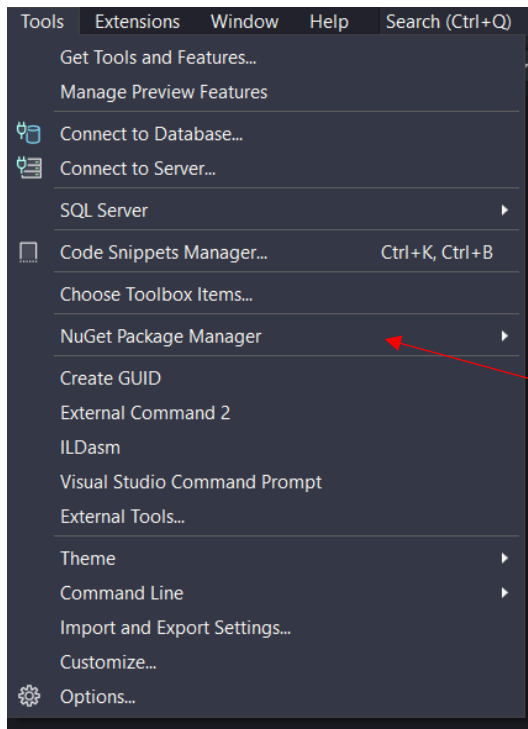
Step 3: On the Solution Explorer, click on appsettings.json

```
"ConnectionStrings": {  
  "DefaultConnection": "Data Source=(localdb)\\Local;Initial  
    Catalog=MovieDB;Integrated  
    Security=True;ApplicationIntent=ReadWrite;MultiSubnetFailover=False"  
},
```

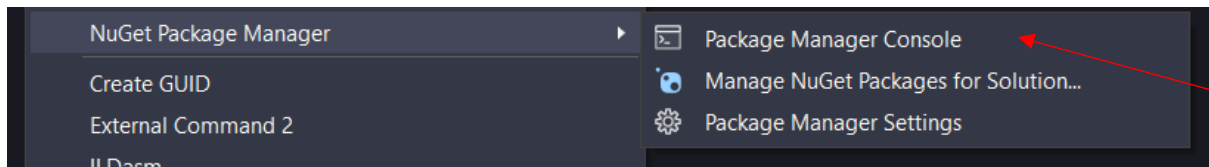
Step 4: Change the Data Source to your server name



Step 5: On the menu bar, click on tool



Step 6: Click on NuGet Package Manager



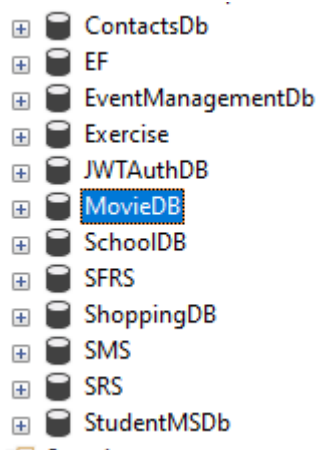
Step 7: Click on Package Manager Console

```
Package Manager Console
Package source: All | Default project: RecommenderSystem

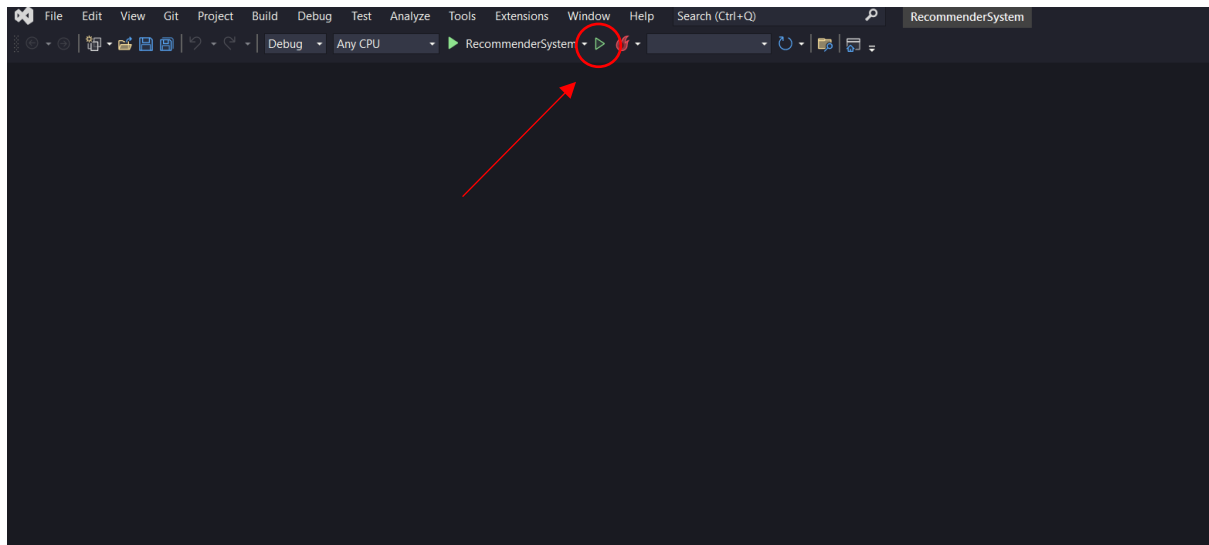
Type 'get-help NuGet' to see all available NuGet commands.

PM> update-database|
```

Step 8: On the console, write “update-database”

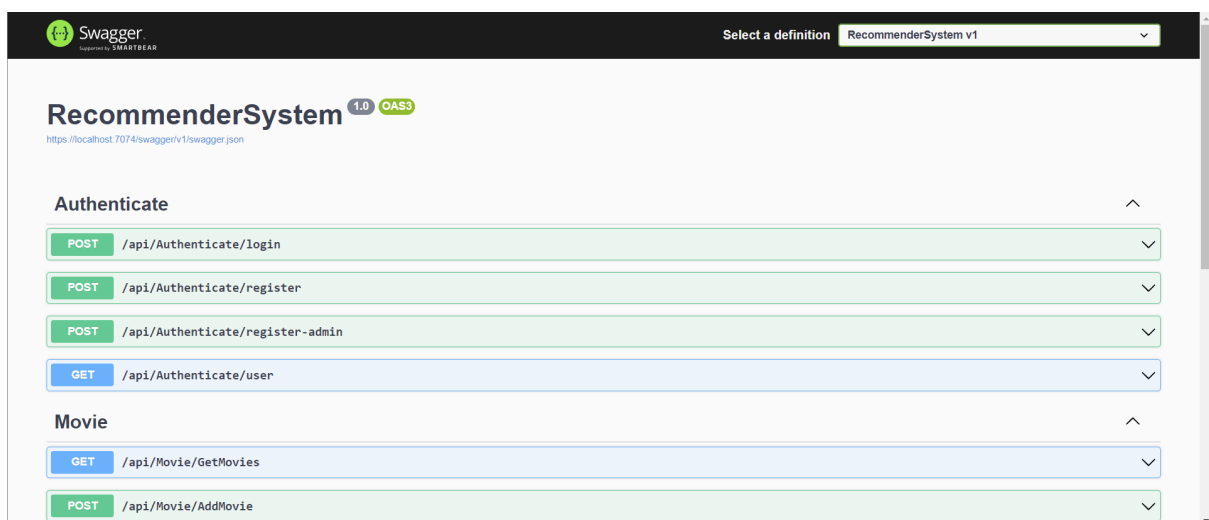


Step 9: MovieDB database shall appear on Microsoft SQL Server Management Studio

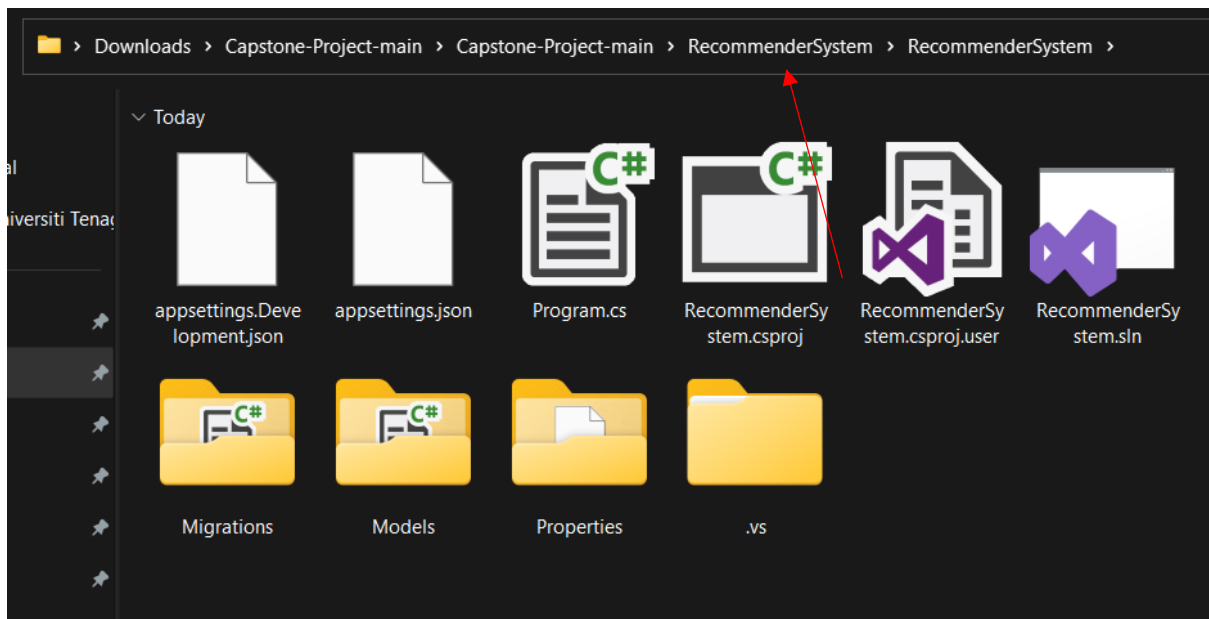


Step 10: Click on the green arrow to execute the program

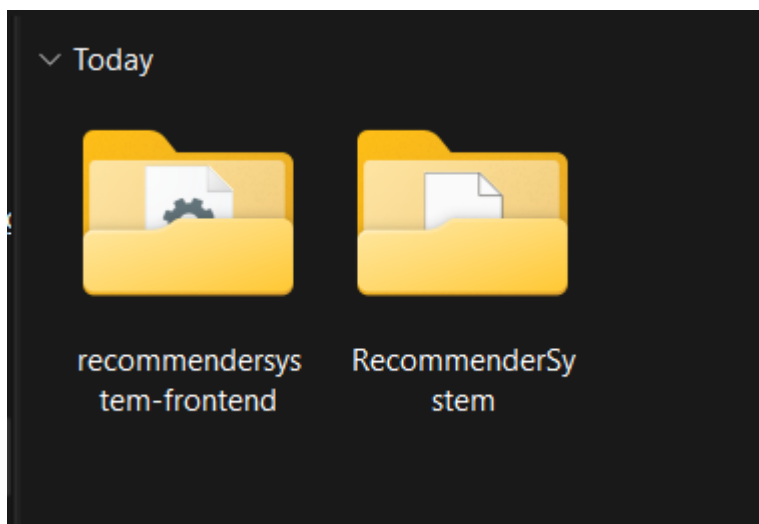
After the program is executed, this page will be displayed



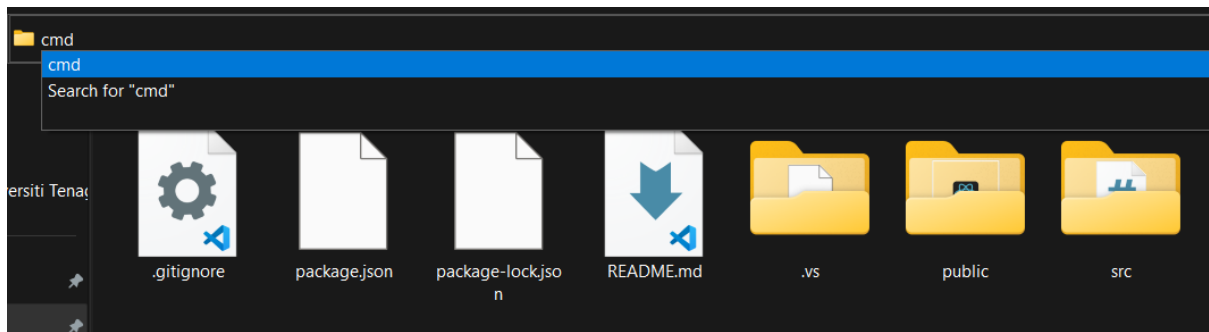
3.2 Starting the frontend



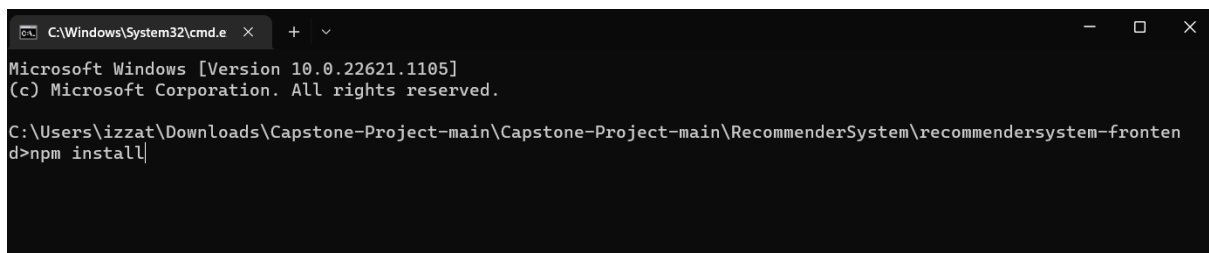
Step 1: Go back to RecommenderSystem folder



Step 2: Click on the “recommendersystem-frontend” folder



Step 3: Click on the address bar and write cmd. cmd will popup



Step 4: On the cmd, write “npm install”

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22621.1105]
(c) Microsoft Corporation. All rights reserved.

C:\Users\izzat\Downloads\Capstone-Project-main\Capstone-Project-main\RecommenderSystem\recommendersystem-frontend>npm install
npm WARN deprecated stable@0.1.8: Modern JS already guarantees Array#sort() is a stable sort, so this library is deprecated. See the compatibility table on MDN: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/sort#browser_compatibility
npm WARN deprecated rollup-plugin-terser@7.0.2: This package has been deprecated and is no longer maintained. Please use @rollup/plugin-terser
npm WARN deprecated sourcemap-codec@1.4.8: Please use @jridgewell/sourcemap-codec instead
npm WARN deprecated w3c-hr-time@1.0.2: Use your platform's native performance.now() and performance.timeOrigin.
npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.

added 1481 packages, and audited 1482 packages in 35s

233 packages are looking for funding
  run 'npm fund' for details

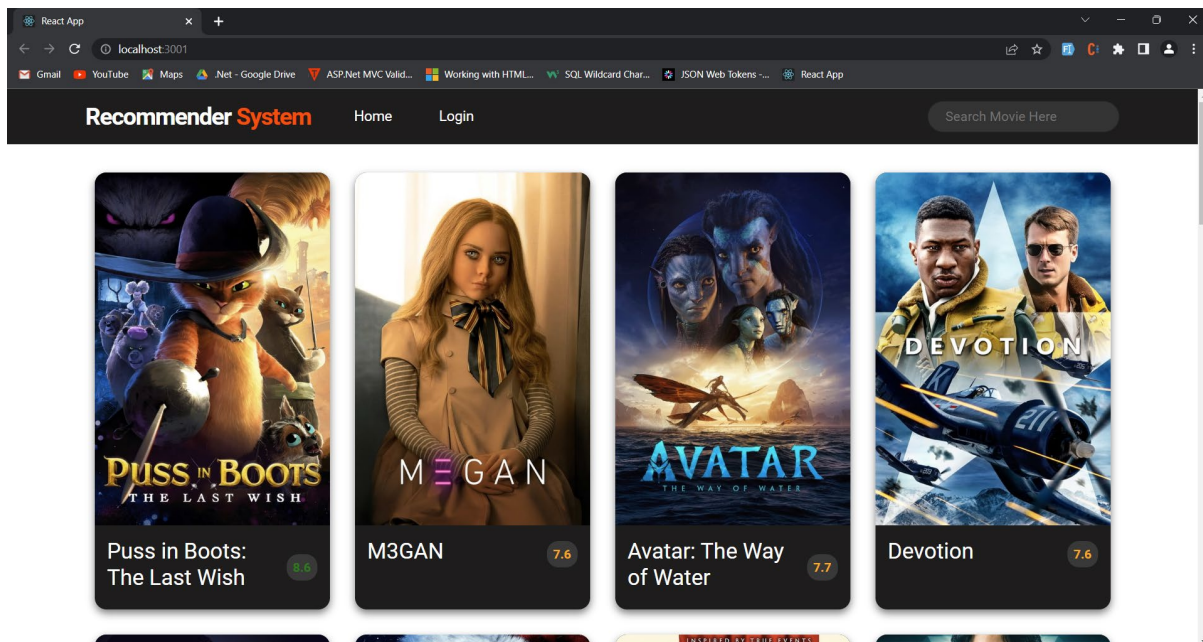
6 high severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run 'npm audit' for details.

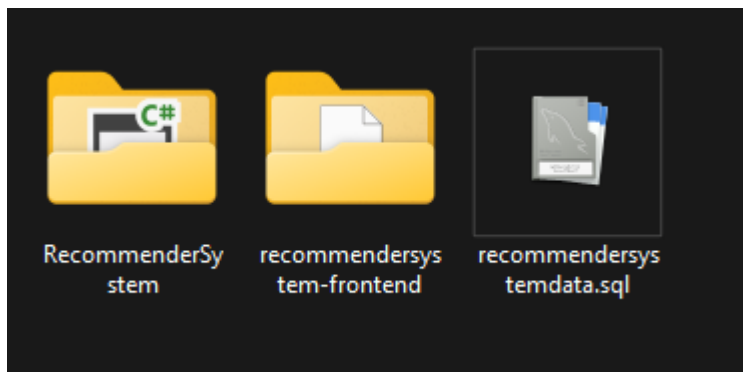
C:\Users\izzat\Downloads\Capstone-Project-main\Capstone-Project-main\RecommenderSystem\recommendersystem-frontend>npm start run
```

Step 5: Once the installation is complete, write “npm start run” to run the program

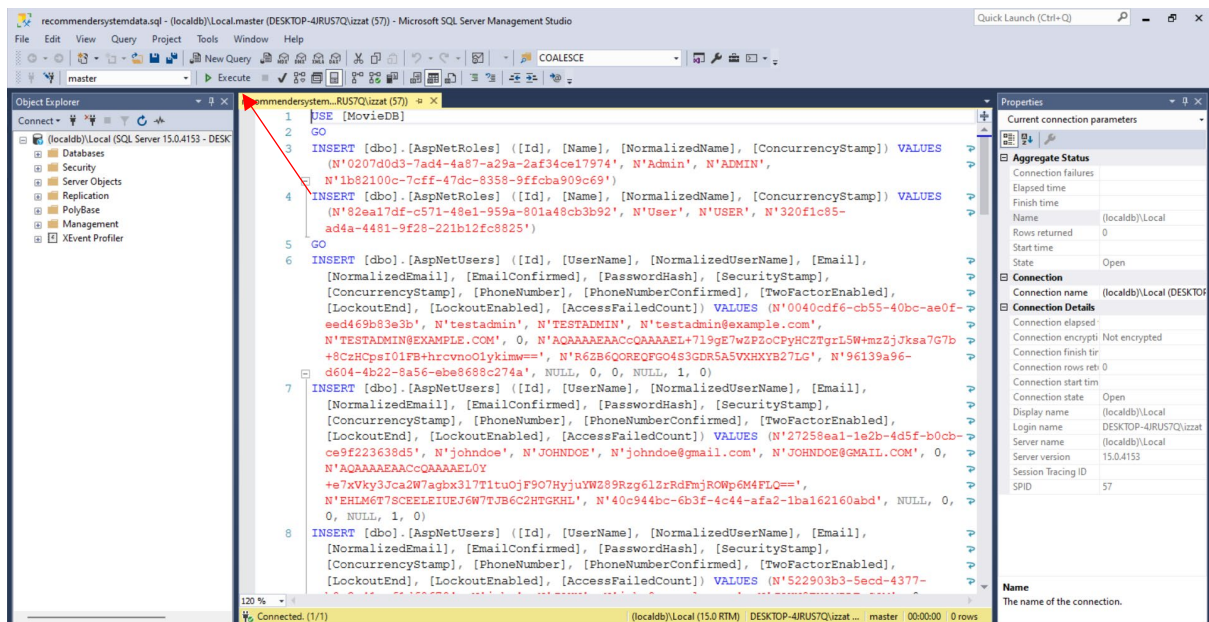


The web application should be launched

4.0 Adding data to database



Step 1: Click on recommendersystemdata.sql to launch Microsoft SQL Server Management Studio



Step 2: Click on Execute button to add data to MovieDB database.