Manju Graded Coding Project 3

Web Development using Flask

House Loan eligibility check application

1. Project Objective:

1.1. This is a standard supervised classification task. A classification problem where we have to predict whether a customer is eligible for loan or not based on a given set of independent variable(s).

1.2. To build a Python Flask ML application where a user has to get registered by entering the username and password and login to the website and then enter their details to check whether they are eligible for loan or not.

2. Model Building and saving the model using Pickle

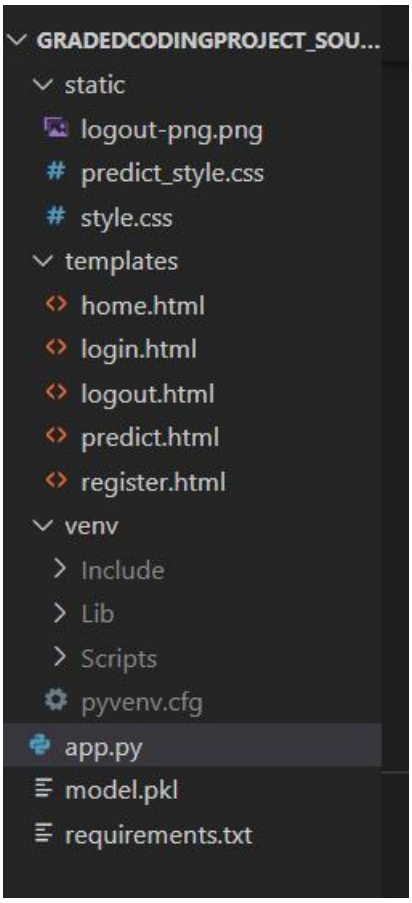
The python model building is attached as a python jupitor notebook below:

Manju_CodingAss
ignment3_PythonF

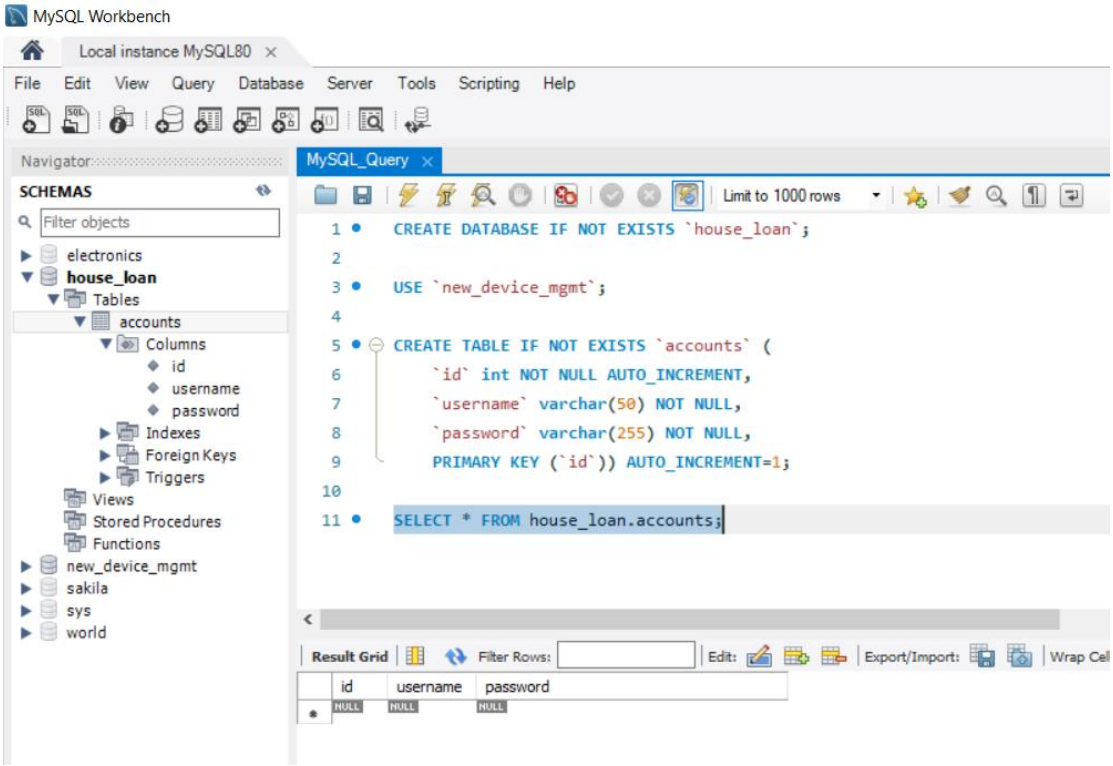
3. Python Flask Application development

The below screen prints represent the working of the application flow.

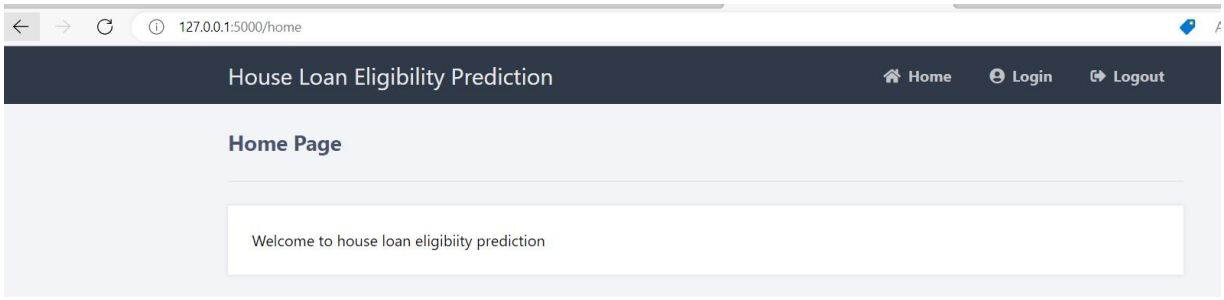
3.1. Project Structure



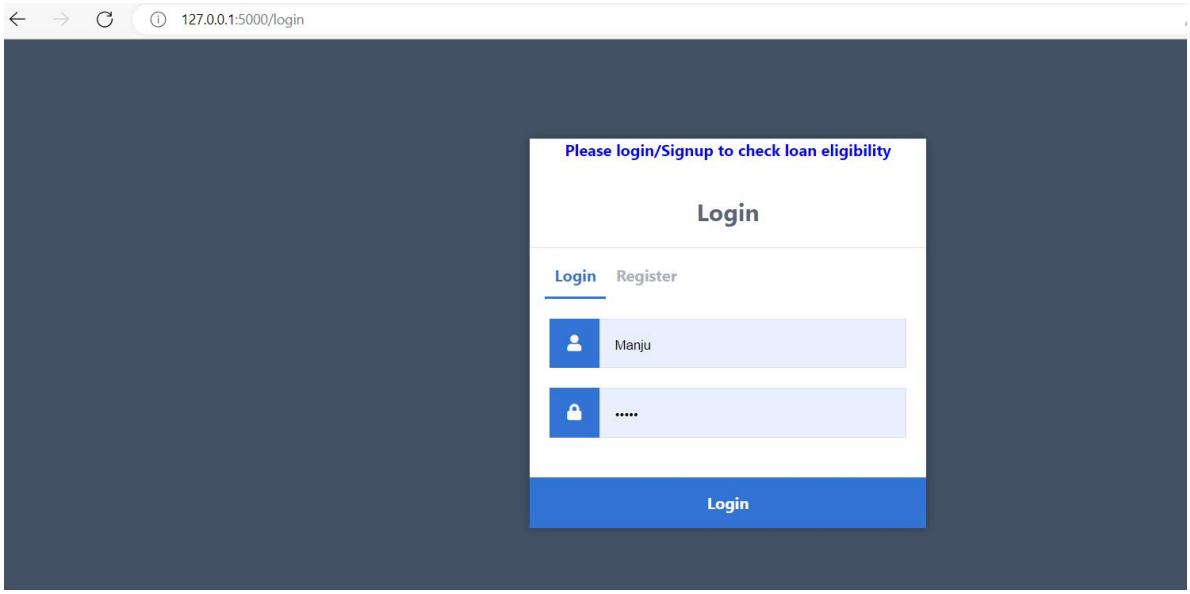
3.2. Database before starting the application



3.3. Home page

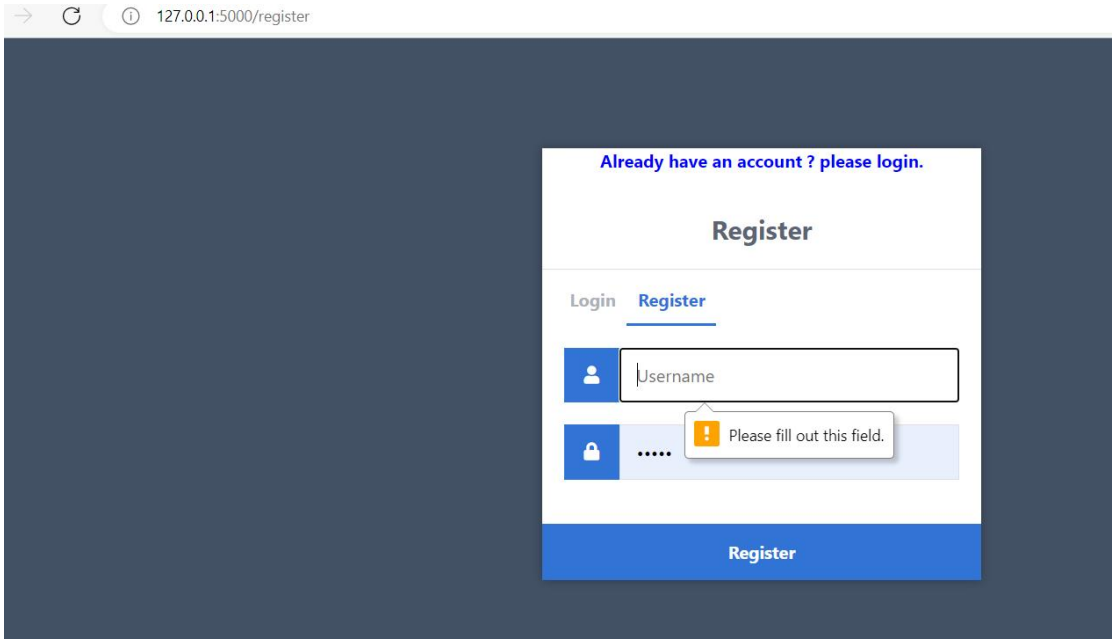


3.4. Try to login without register

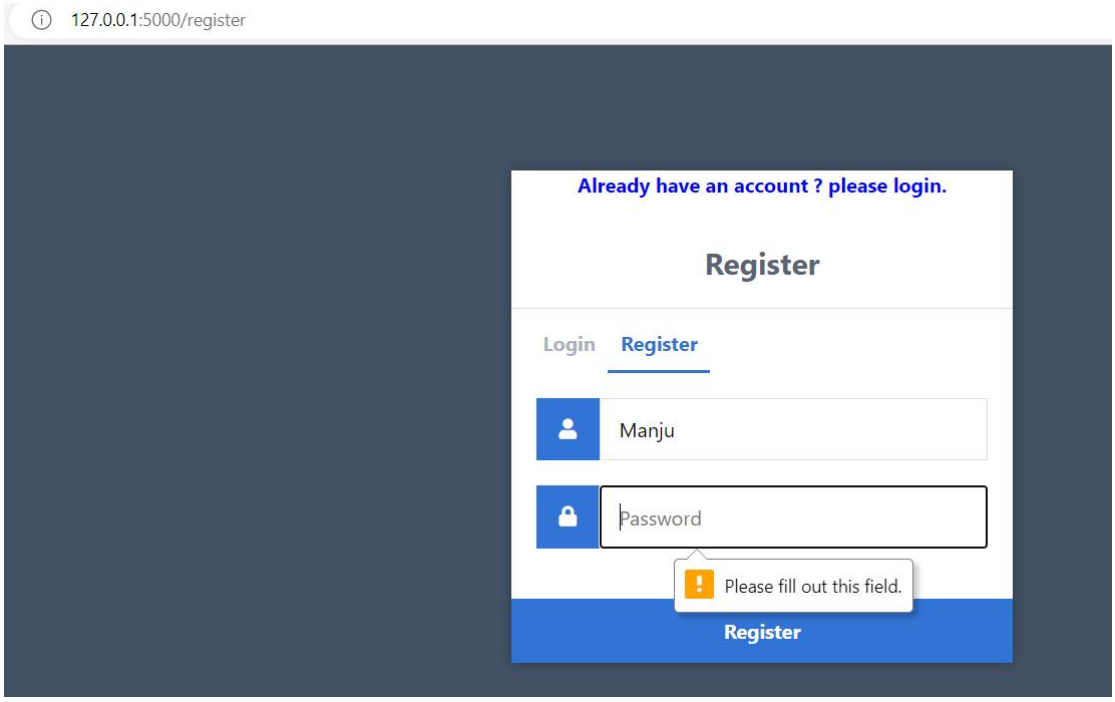


Incorrect username/password!

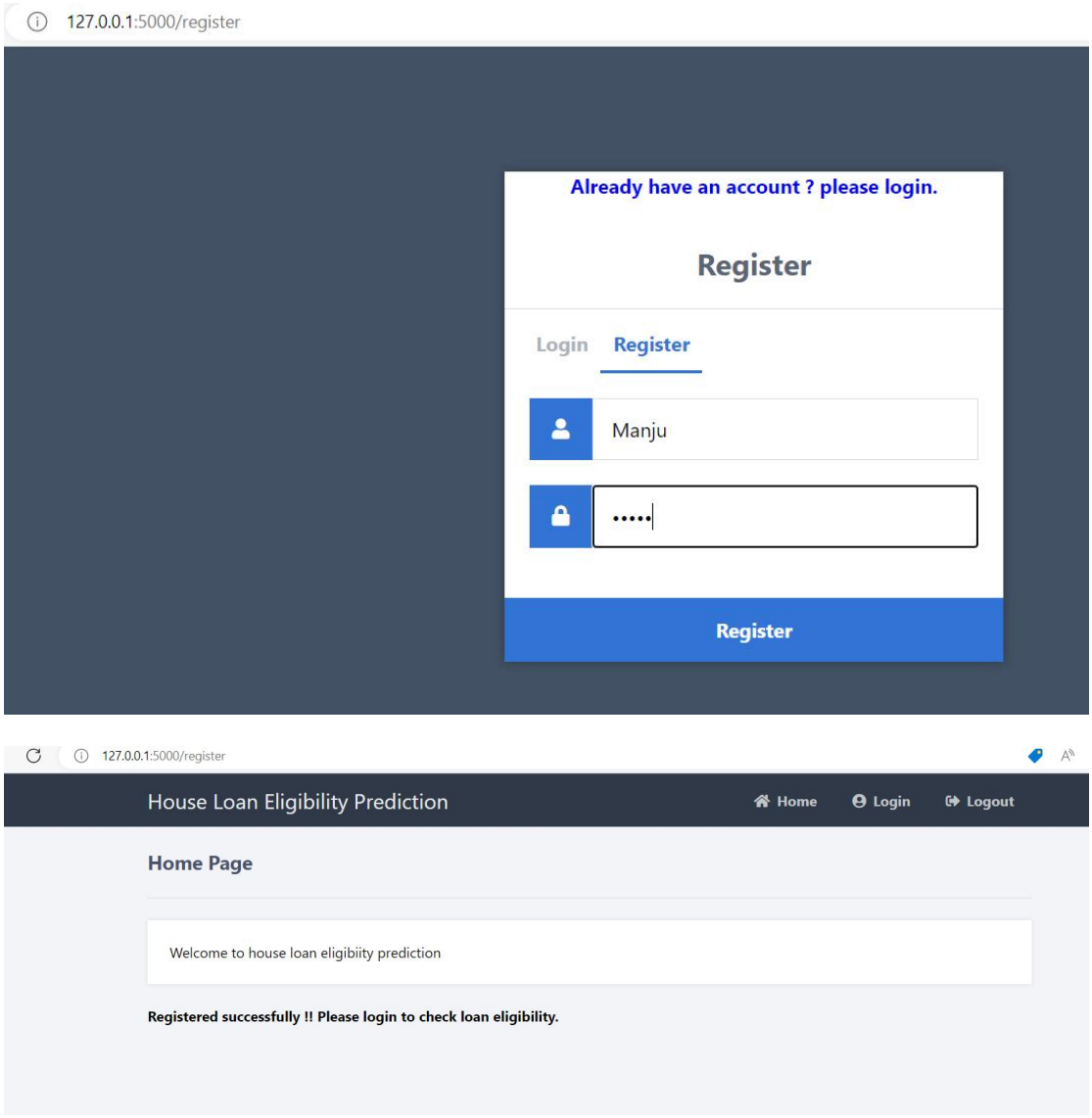
3.5. Register the user without username



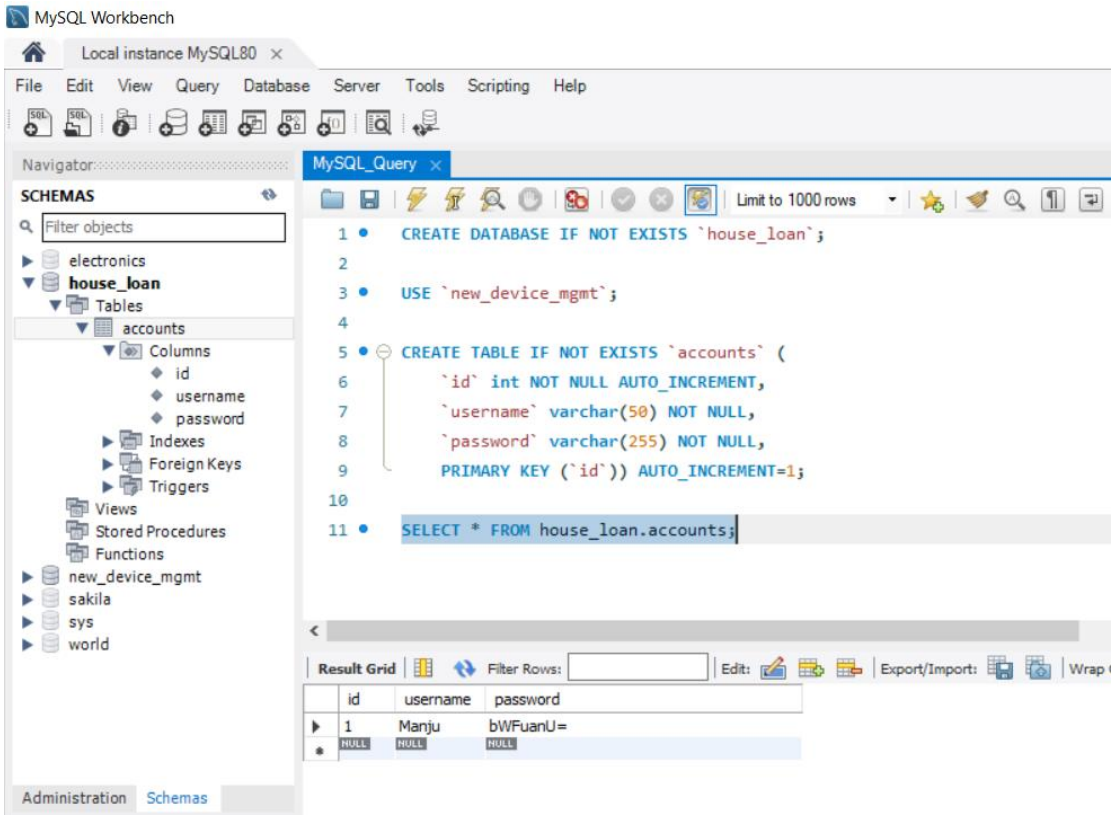
3.6. Register the user without password



3.7. Register the user with proper values



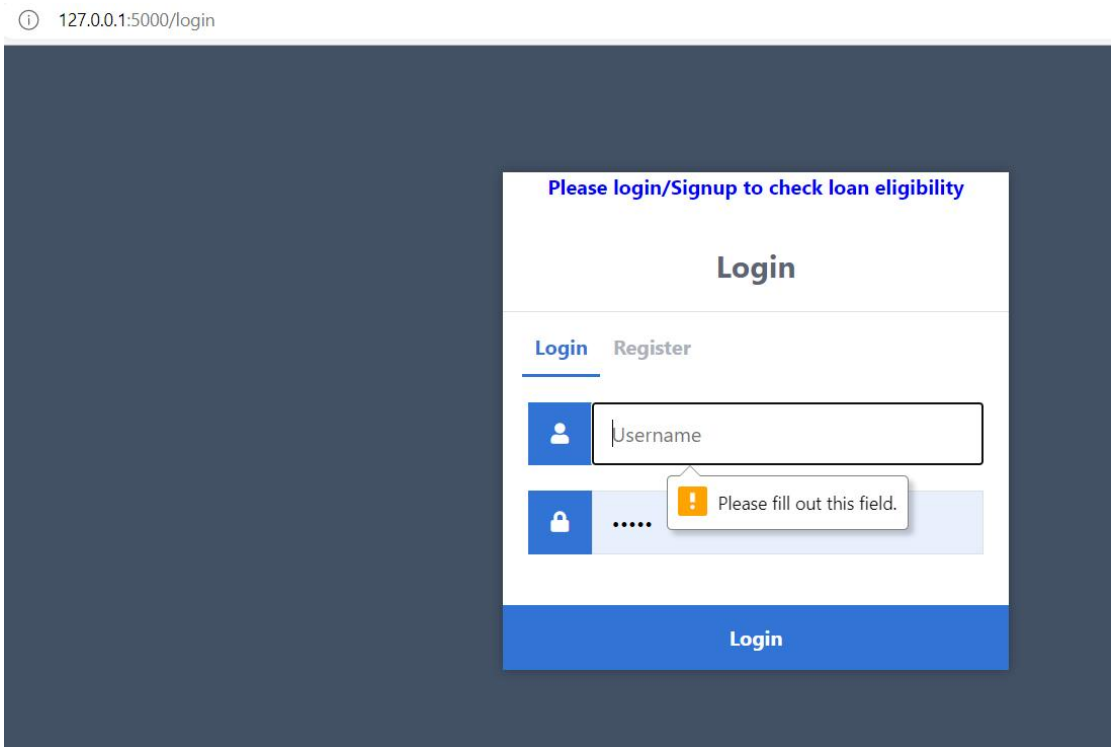
3.8. Database after registration



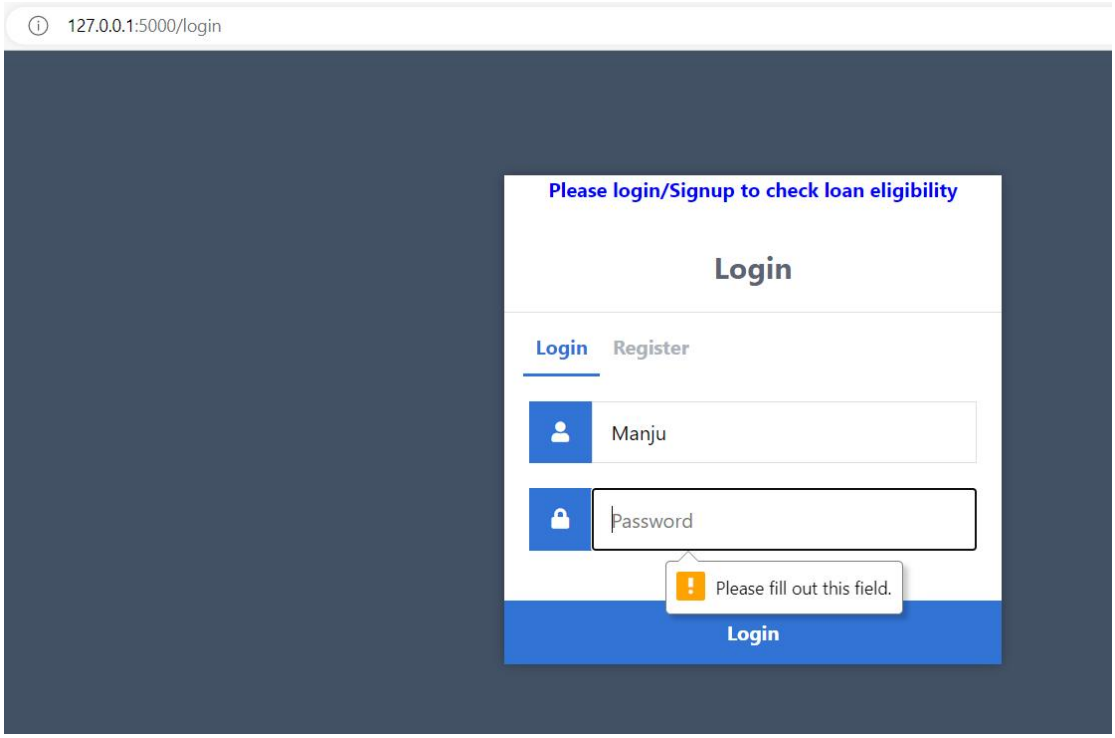
3.9. Register the user who has already registered

User already registered !! Please go to HOME page to login.

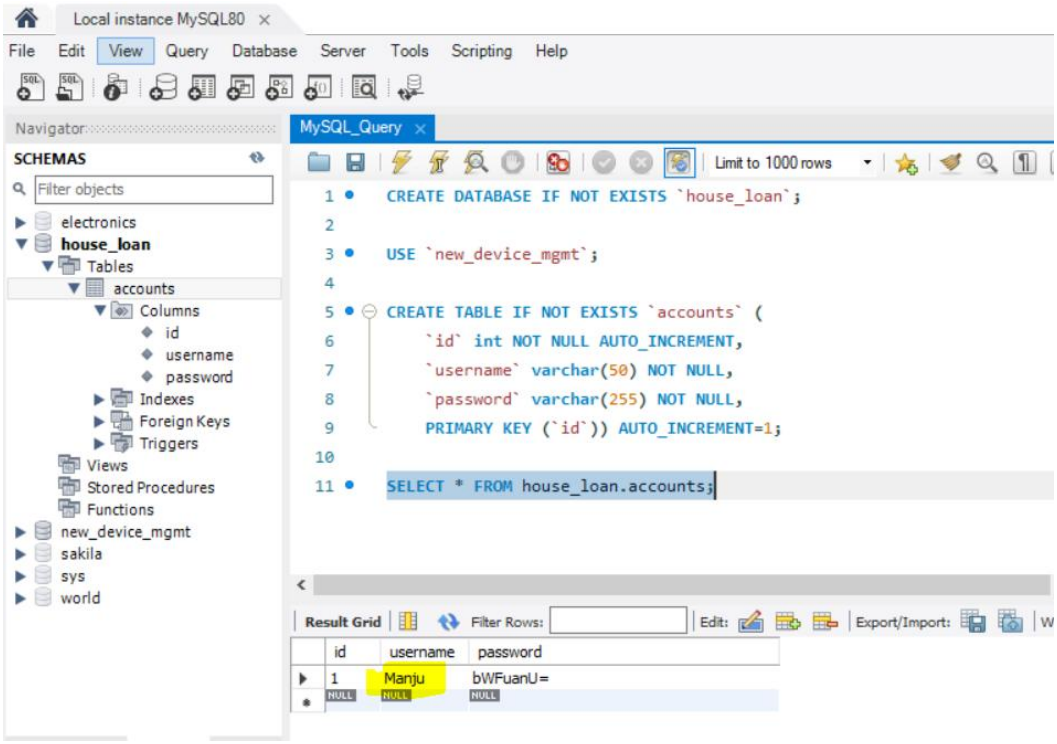
3.10. Login the user without user name

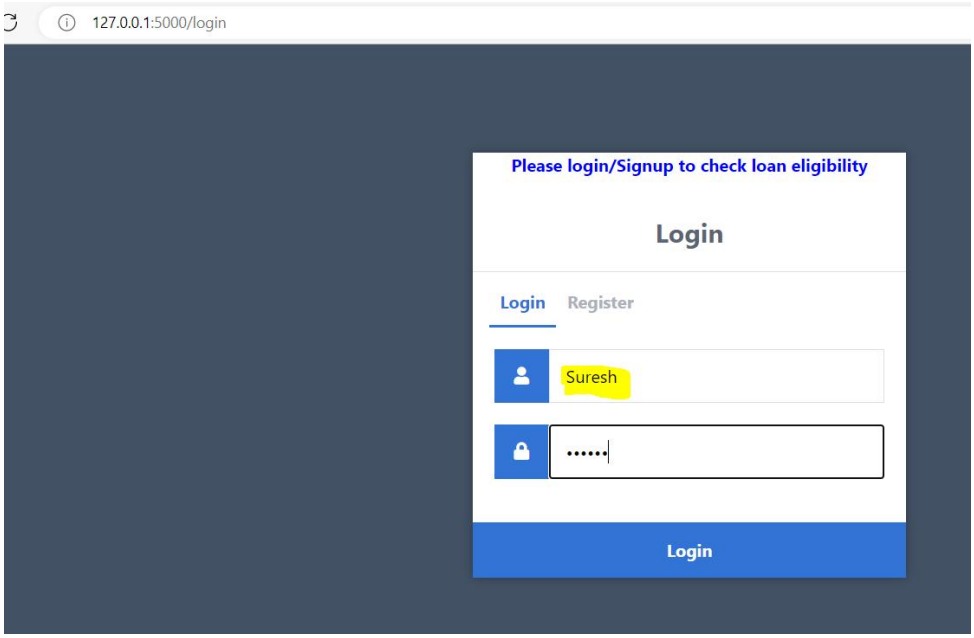


3.11. Login the user without password

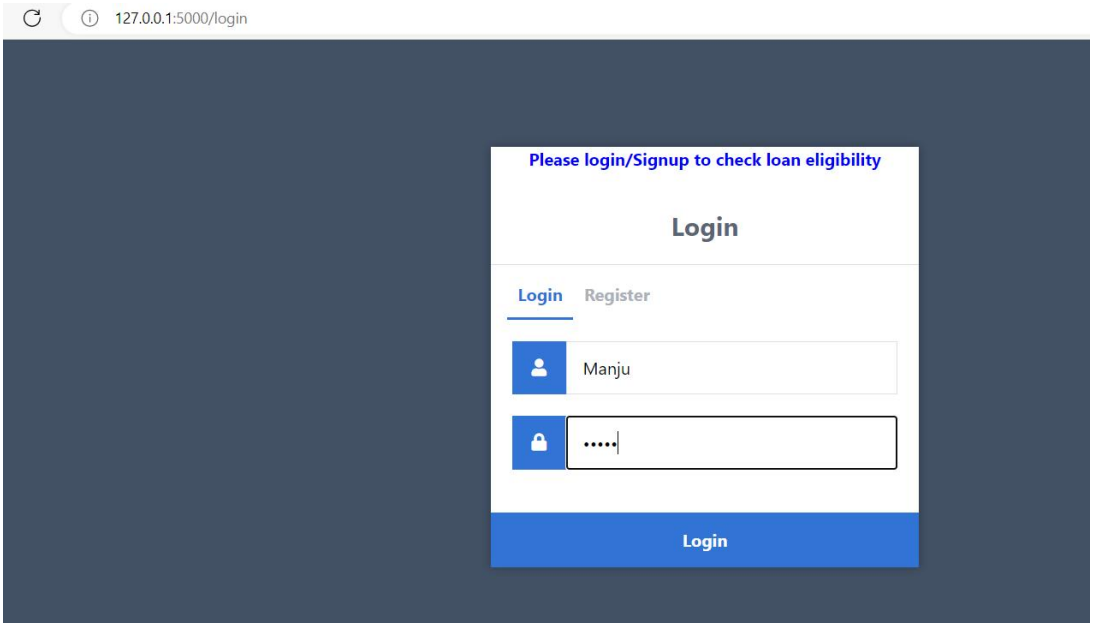


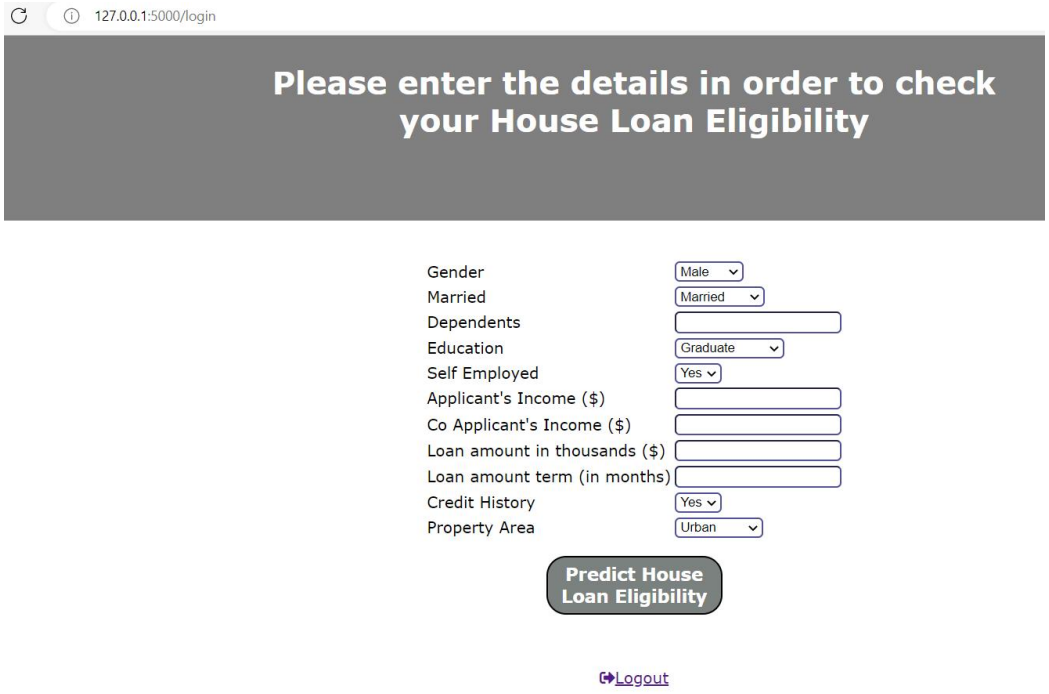
3.12. Login the user without register



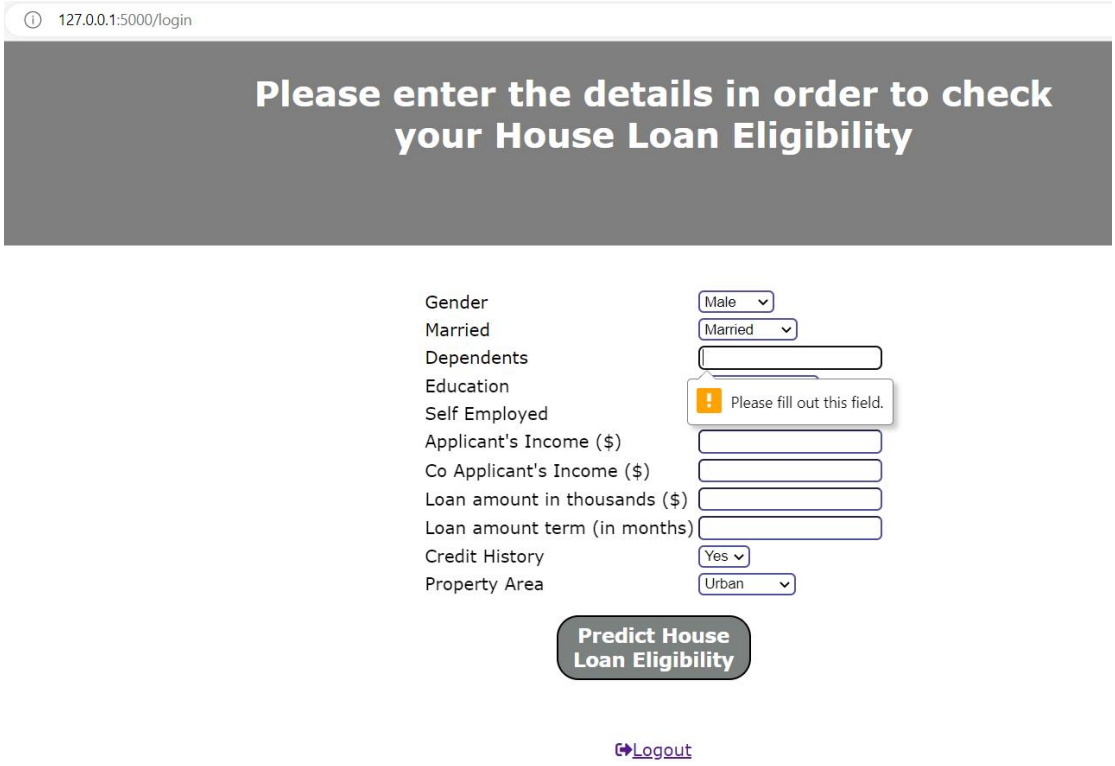


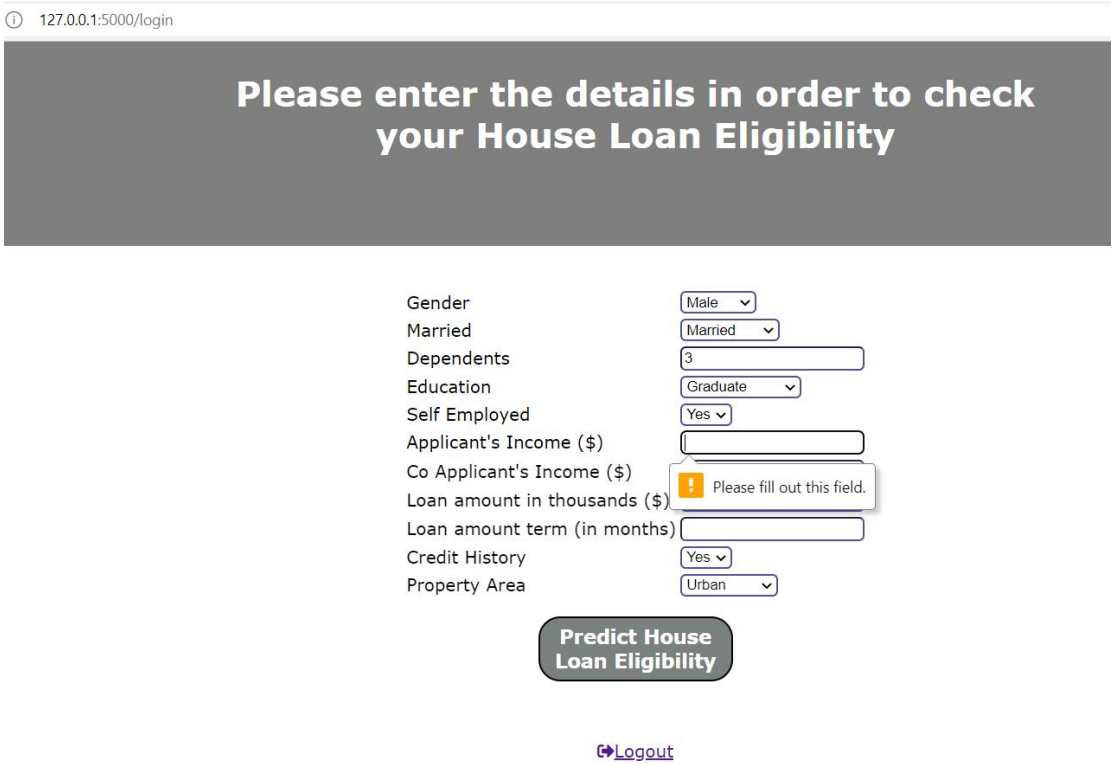
3.13. Login with proper user

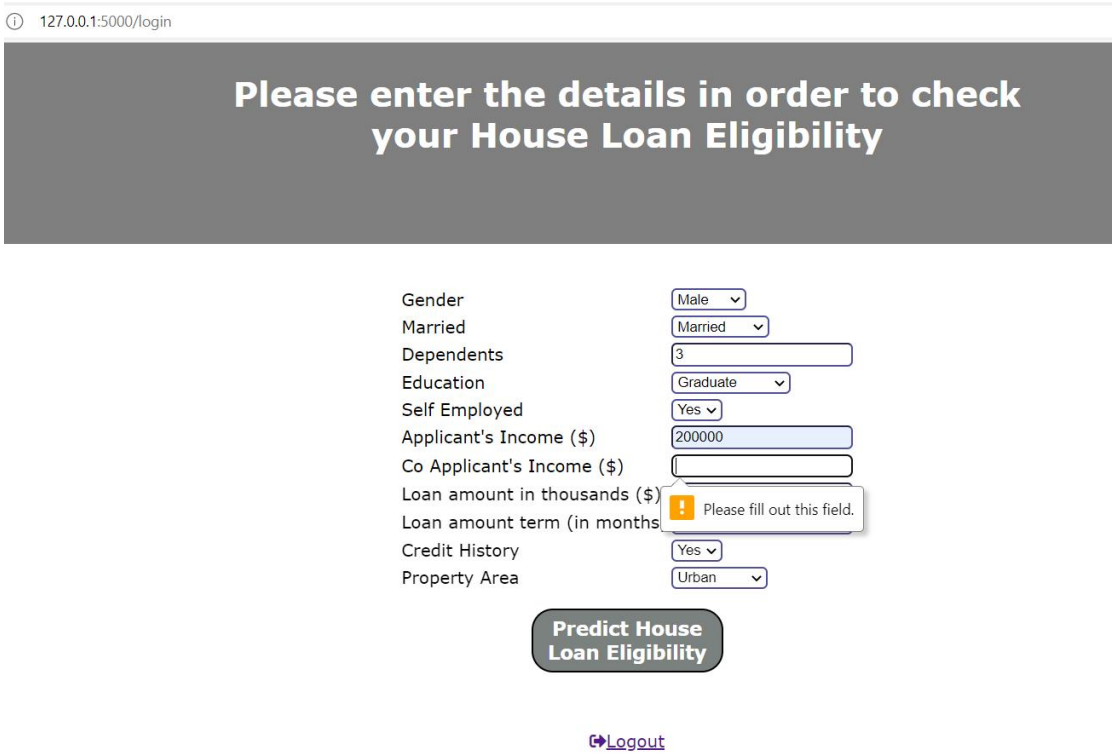




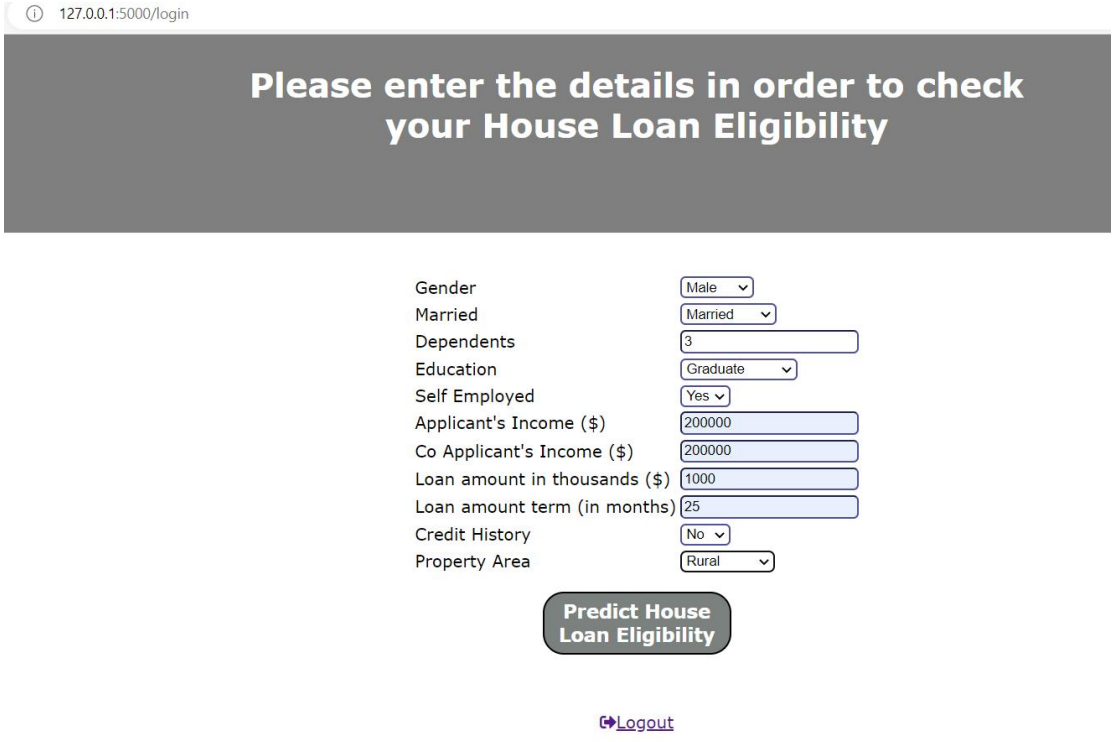
3.14. Enter the details to check loan eligibility without the required fields

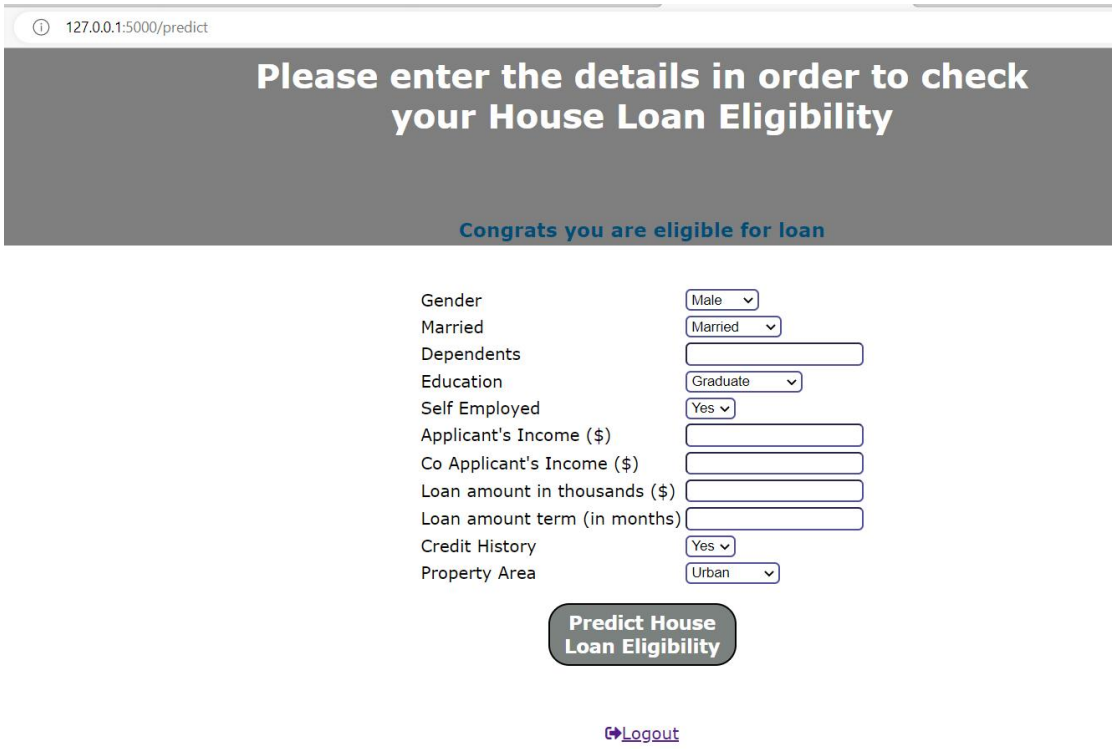






3.15. Enter the details to check loan eligibility with all the details filled





3.16. Log out the application