EXPERIMENT NO. 4 - Flask Application using GET and POST

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Sign and Grade	

AIM : To design a Flask application that showcases URL building and demonstrates the use of HTTP methods (`GET` and `POST`) for handling user input and processing data.
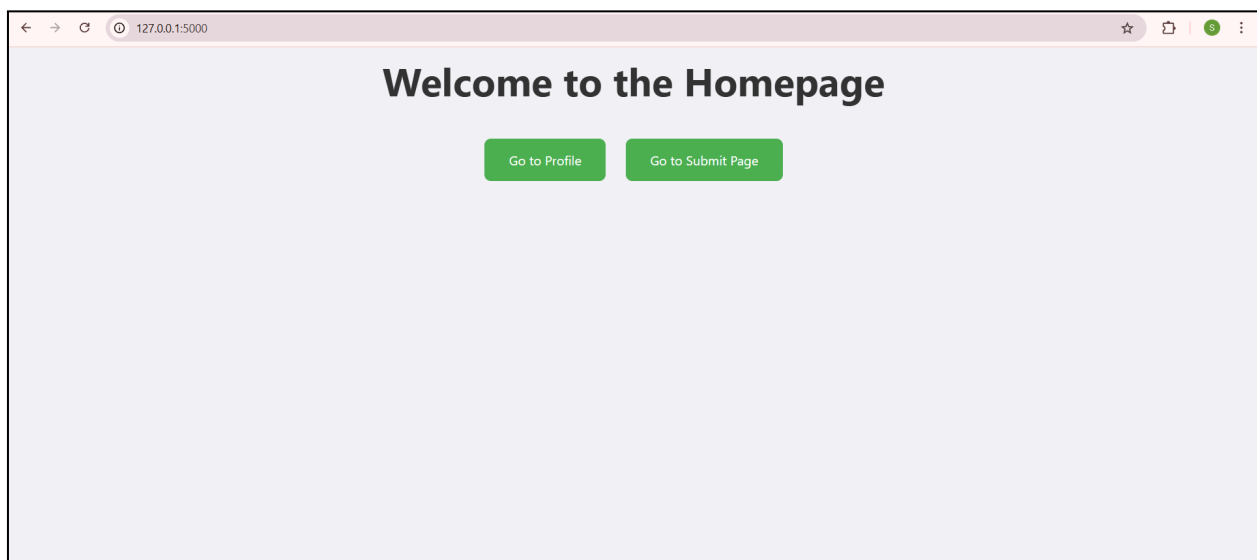
OVERVIEW OF TASKS PERFORMED:

The task involved designing a Flask application that demonstrates URL building and HTTP methods (GET and POST). A homepage with links to a Profile and Submit page was created using `url_for()`. The Profile page dynamically displayed a user's name and age retrieved from a session, while the Submit page collected user input via a form using the POST method. Sessions were used to store and display user data, and the application was run in debug mode for easy development.
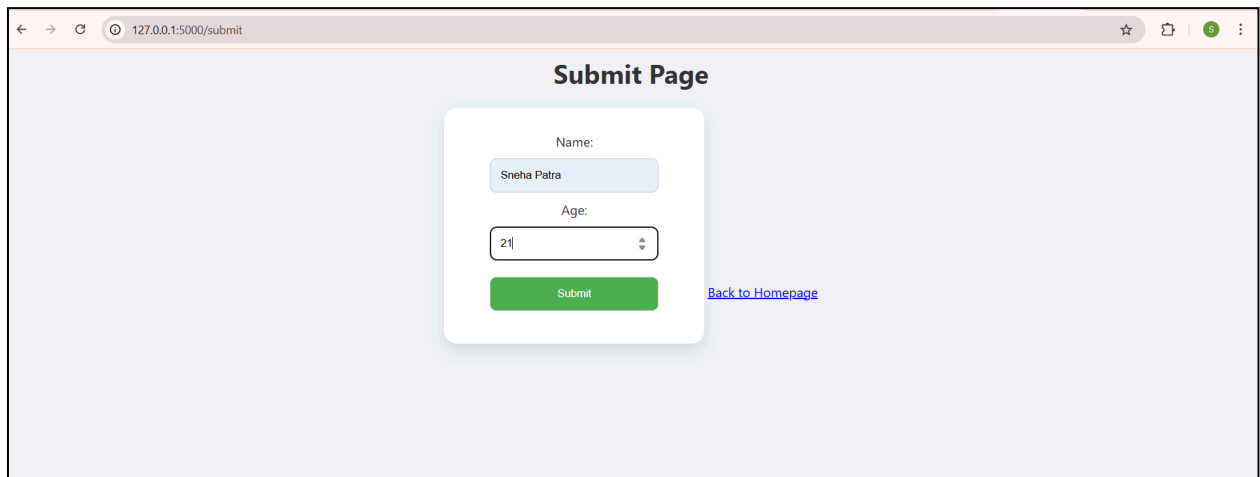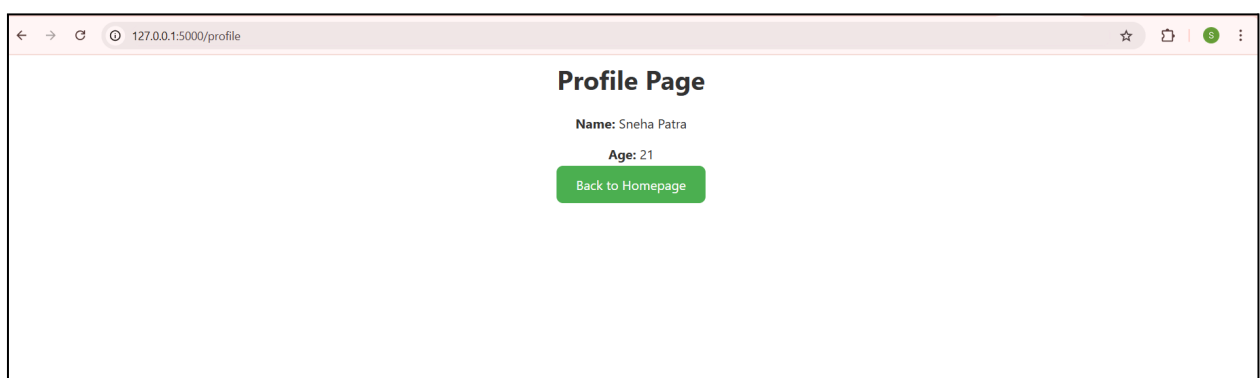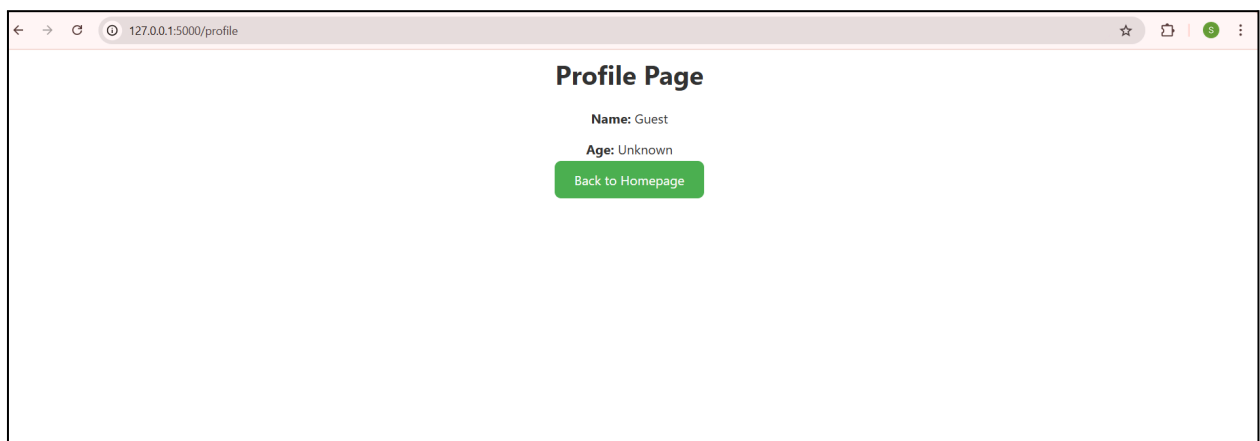
GitHub Link: https://github.com/Sneha0321/WebX_Exp_4

OUTPUT :

Homepage: Displays a welcome message with navigation links to the "Profile" and "Submit" pages.

Submit Page: Displays a form to collect the user's name and age. Upon submitting, the data is stored using a session, and the user is redirected to the Profile page.

Profile Page: Displays the submitted name and age dynamically. If no data is submitted, it shows "Guest" and "Unknown" as default values**.**

Conclusion:

The experiment demonstrated the creation of a simple Flask application using GET and POST methods. The application effectively handled dynamic routing using URL parameters and processed user input via a form using the POST method. Additionally, it showcased URL building using the `url_for()` function and maintained user data using sessions.