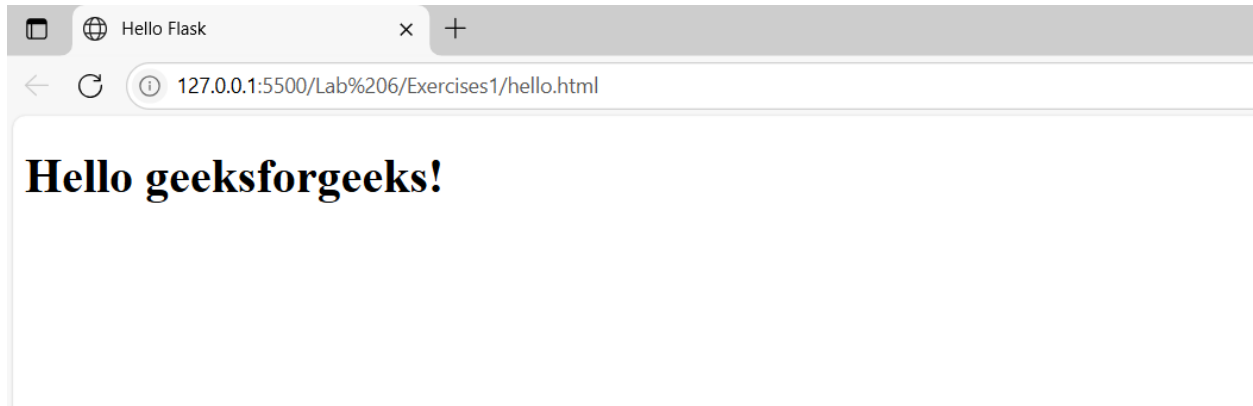
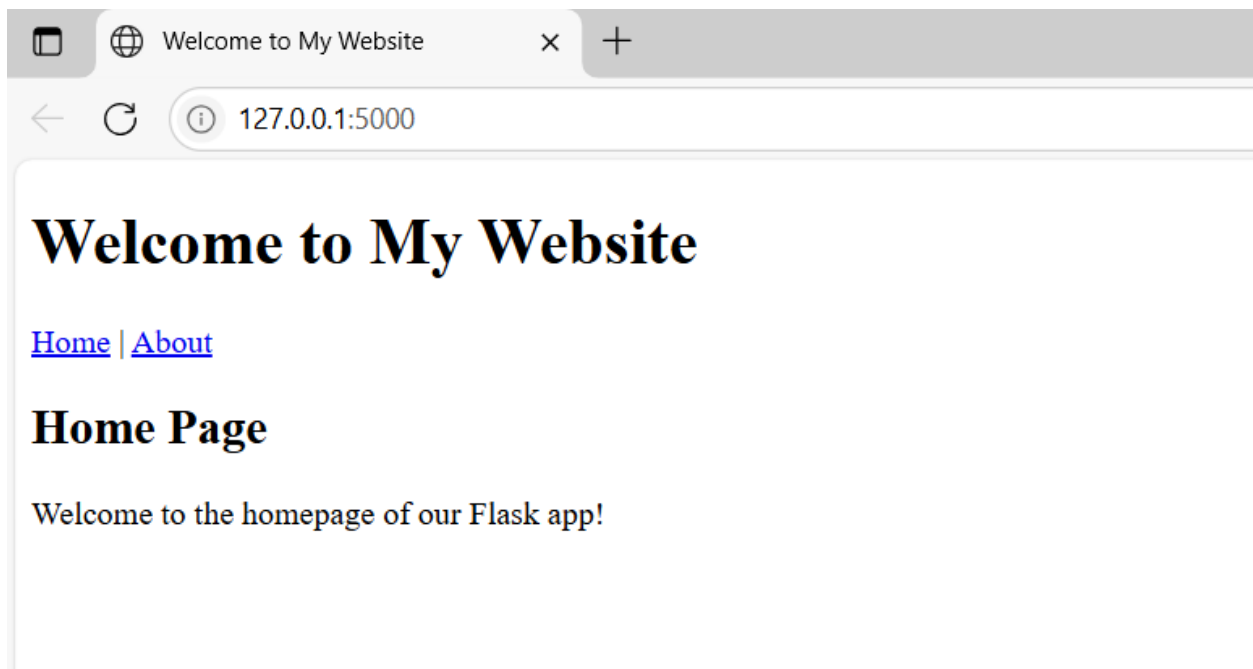
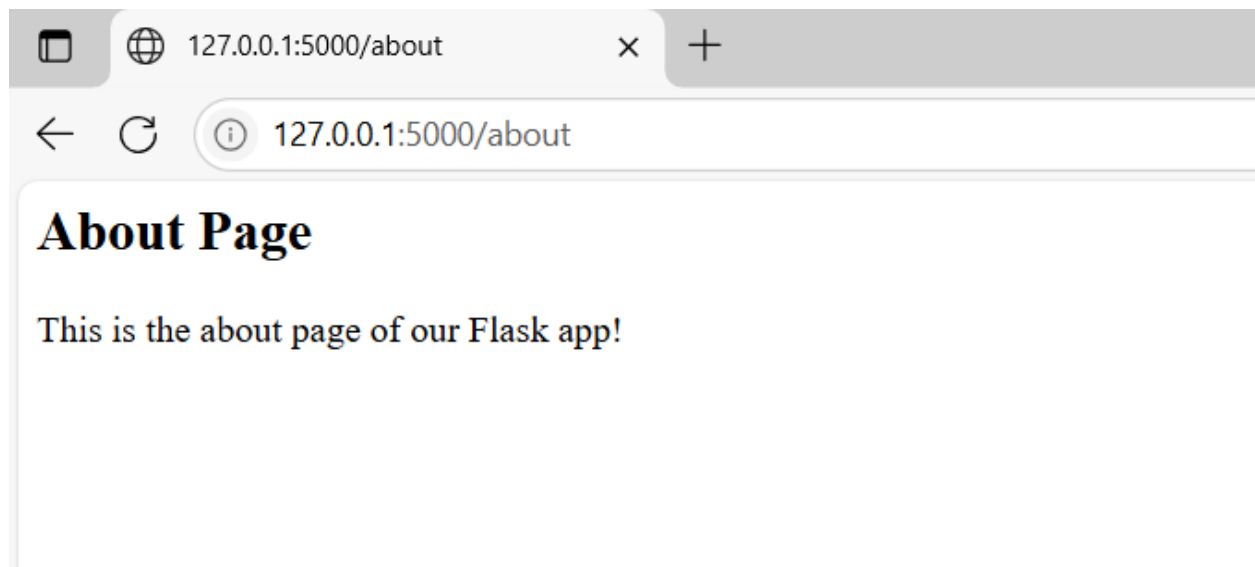


3.1 Exercise 1: Visiting /hello displays the message **"Hello geeksforgeeks!"** in the browser.

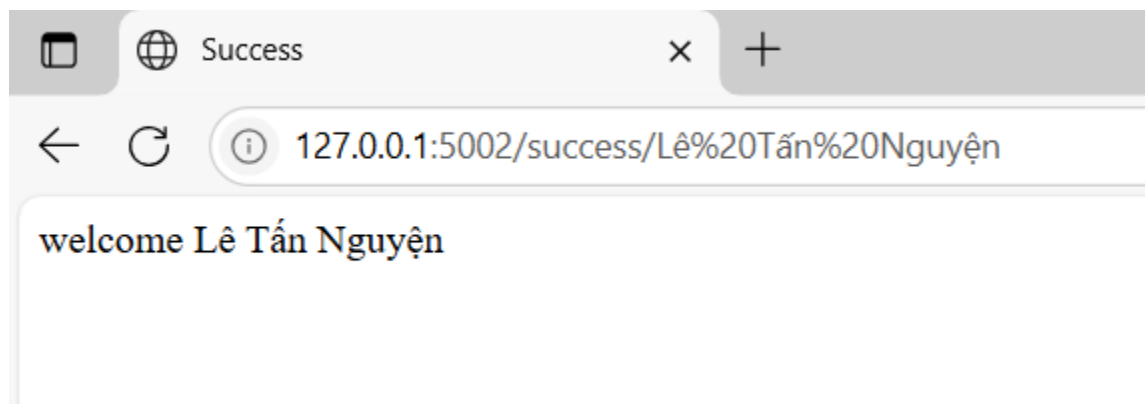
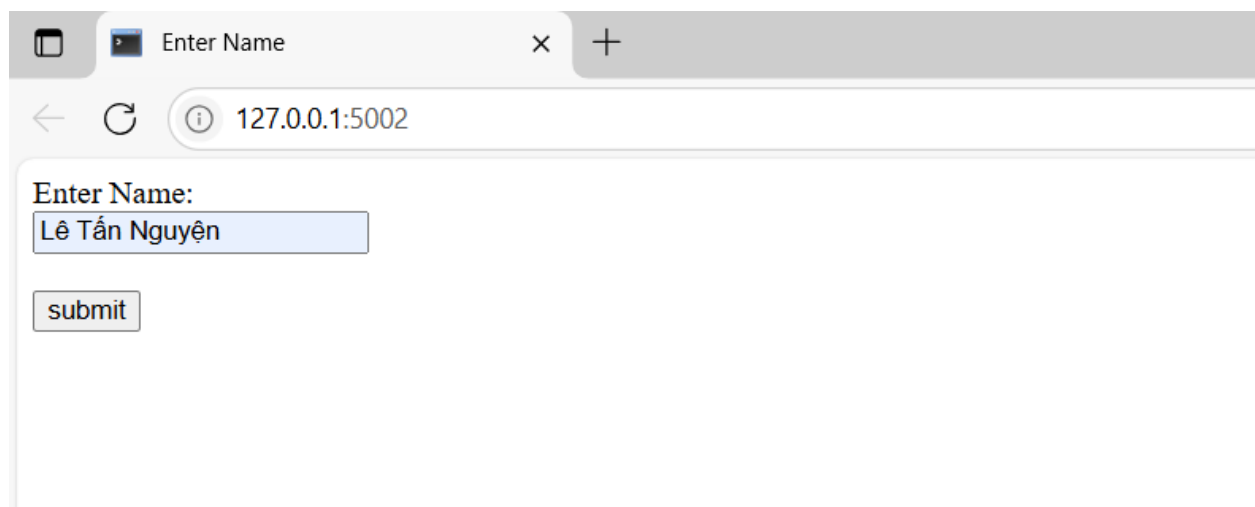


3.2 Exercise 2: Visiting /welcome/<username> shows a personalized greeting like **"Welcome to my website"**



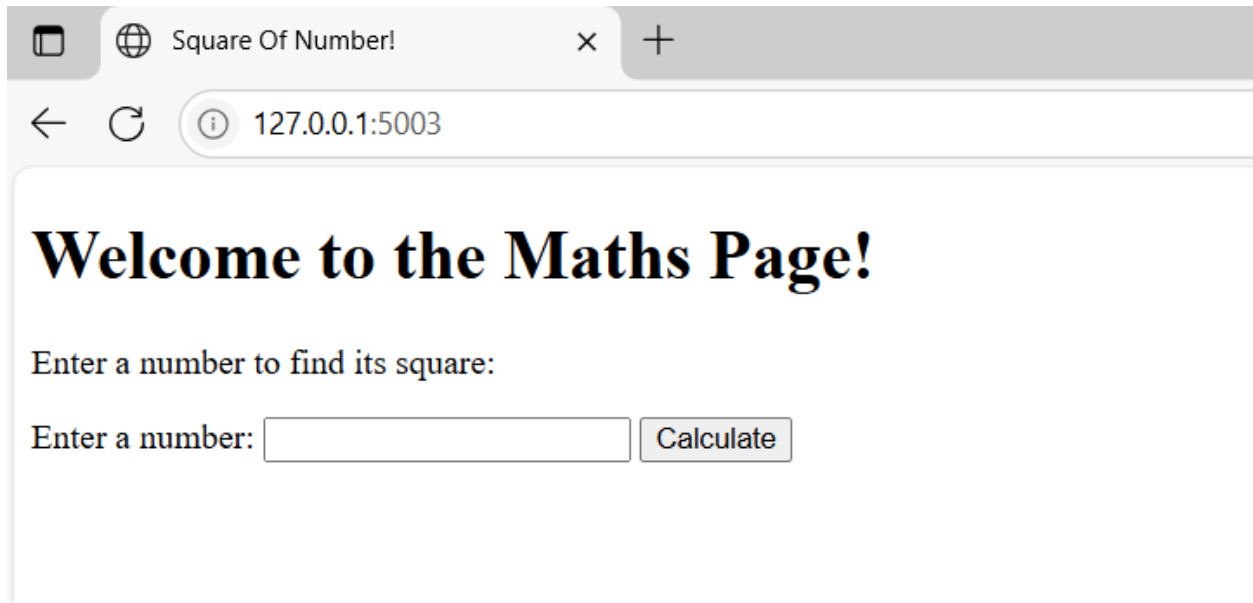


3.3 Exercise 3: A form lets the user enter their name → after submission, it displays "**Hello, <name>!**".

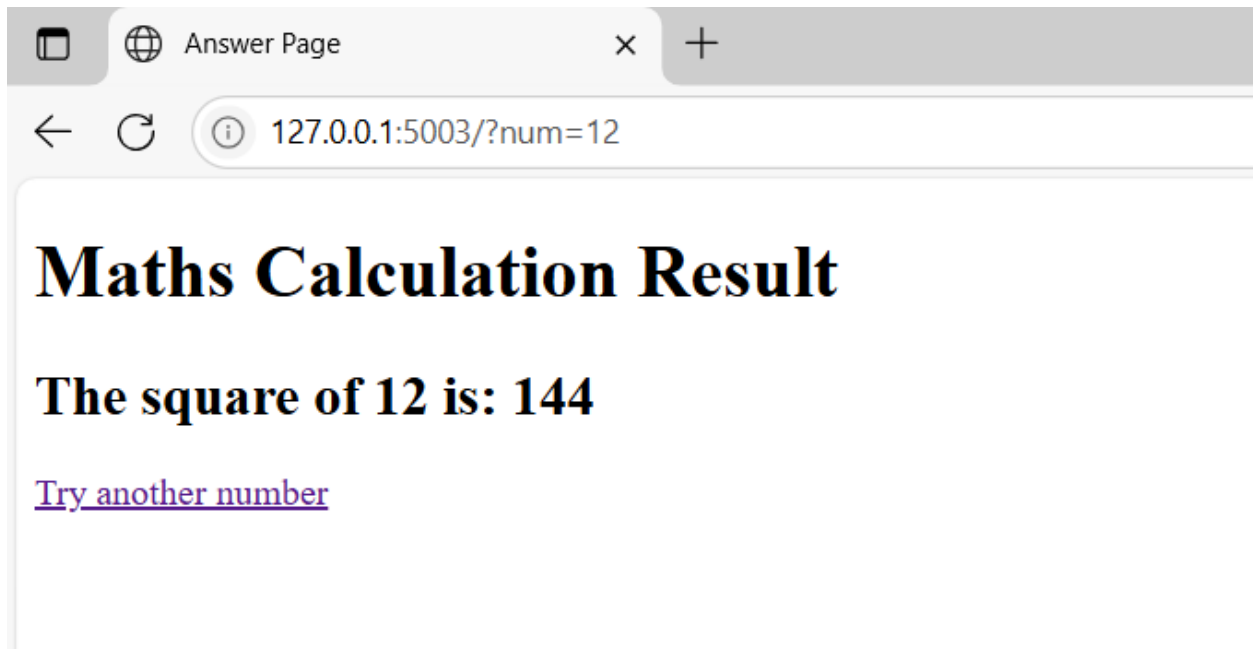


3.4 Exercise 4: User enters two numbers and selects an operation (+, −, ×, ÷) → the result is shown.

If dividing by 0, an error message appears.



The screenshot shows a web browser with a single tab titled 'Square Of Number!'. The address bar displays '127.0.0.1:5003'. The main content area features a large heading 'Welcome to the Maths Page!' followed by the instruction 'Enter a number to find its square:'. Below this is a form with the label 'Enter a number:' and an empty text input field, followed by a 'Calculate' button.



The screenshot shows a web browser with a single tab titled 'Answer Page'. The address bar displays '127.0.0.1:5003/?num=12'. The main content area features a large heading 'Maths Calculation Result' followed by the text 'The square of 12 is: 144'. Below this is a purple underlined link that says 'Try another number'.

3.5 Exercise 5: Enter name and score → if valid, displays the score and name.

If input is invalid, it shows an error message.

Score Form

127.0.0.1:5004

Name

Physics

Chemistry

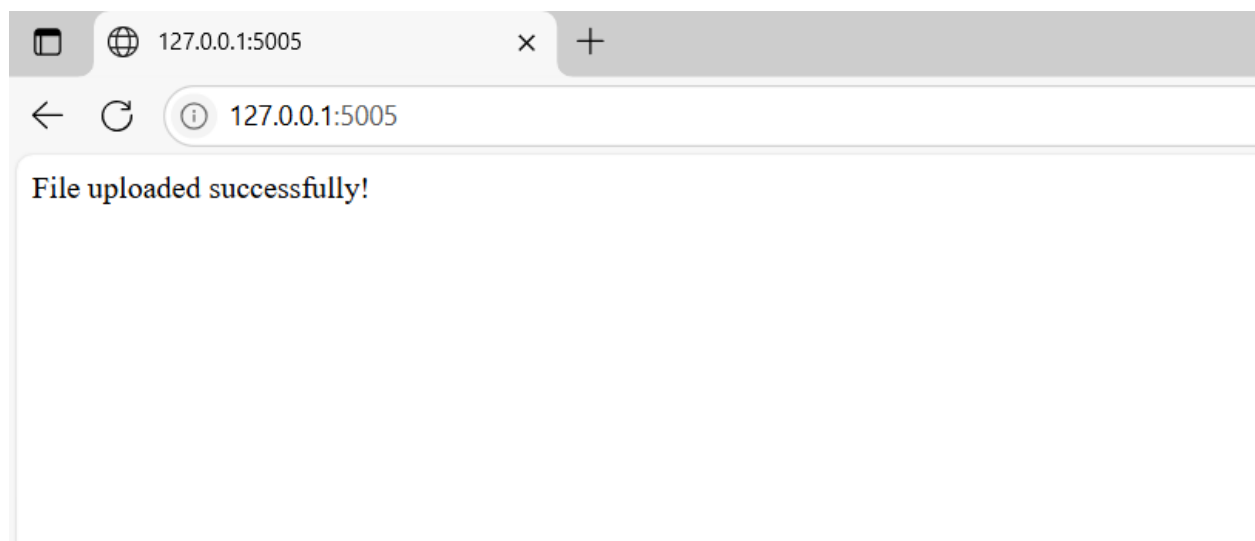
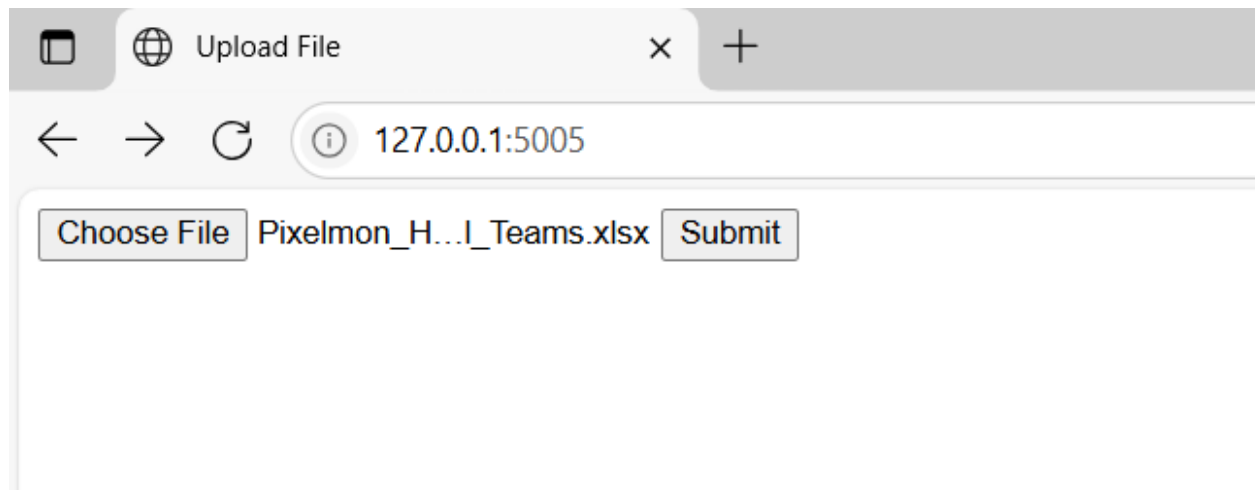
Maths

Result

127.0.0.1:5004

Mathematics	5
chemistry	5
Physics	5
Name	Lê Tấn Nguyễn

3.6 Exercise 6: A simple route that returns content from a newly created HTML file.



3.7 Exercise 7: Displays a login form (username + password) → if correct, redirects to /success.

Browser window: Login

Address bar: 127.0.0.1:5006

User name:

Browser window: Success

Address bar: 127.0.0.1:5006/success

logged in successfully

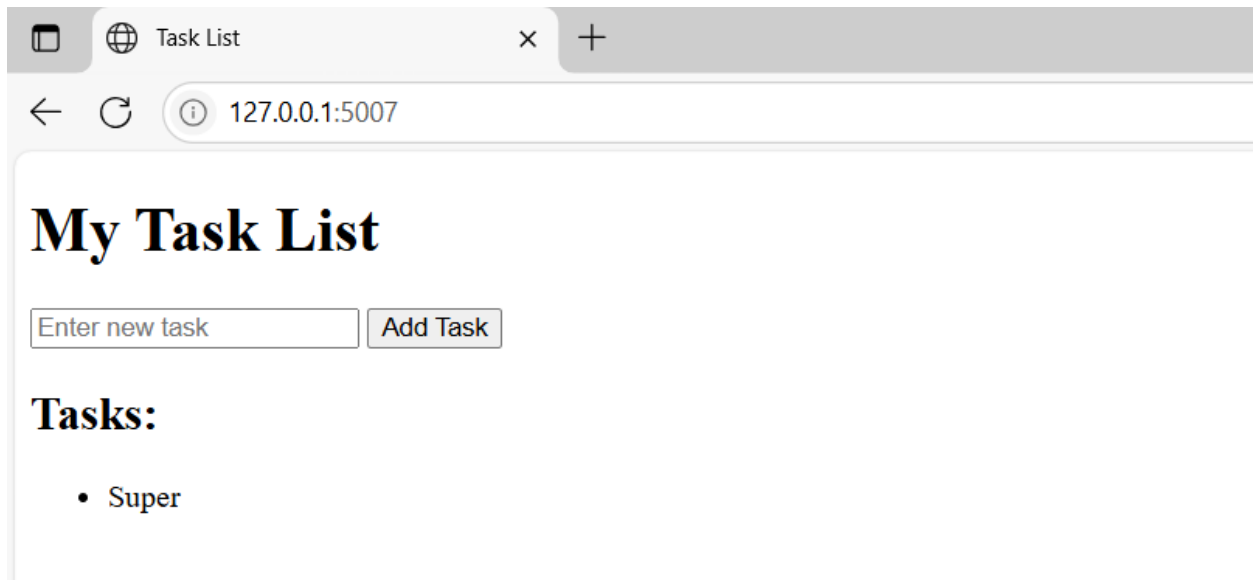
3.8 Exercise 8: A form to add tasks → tasks appear below in an unordered list .

Browser window: Task List

Address bar: 127.0.0.1:5007

My Task List

Tasks:

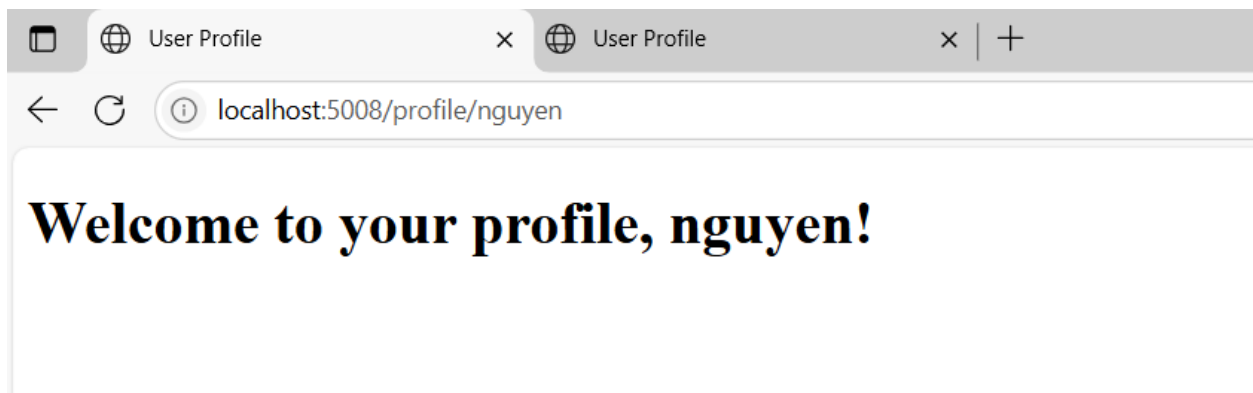


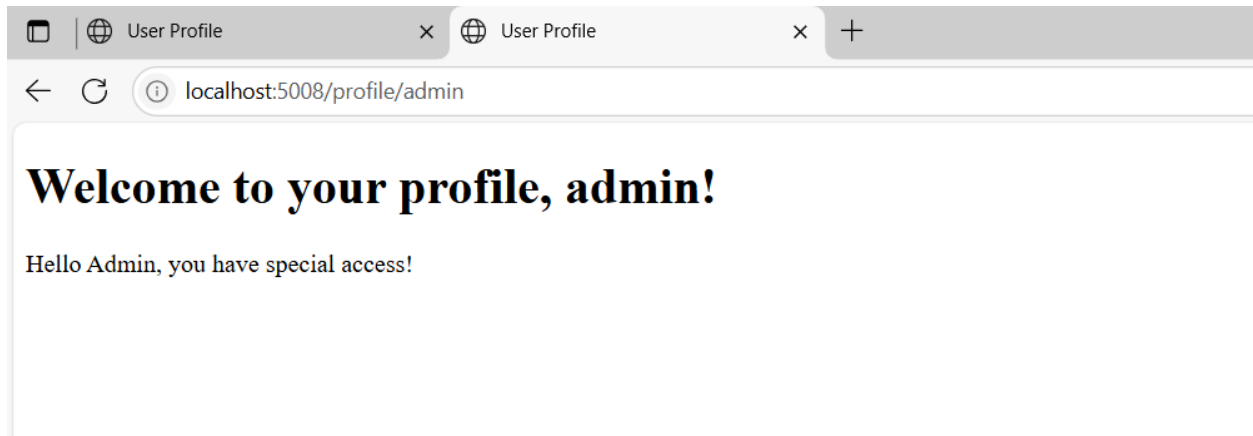
3.9 Exercise 9:

Visiting `/profile/<username>` displays:

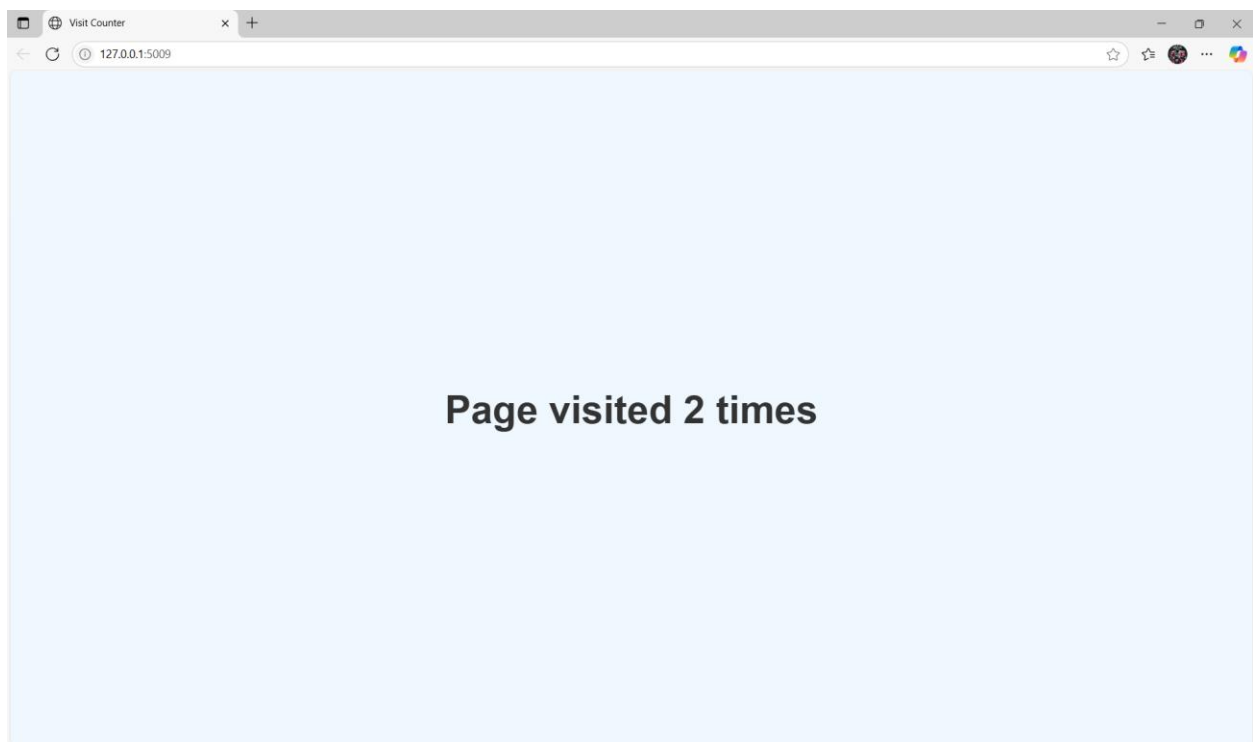
"Hello Admin, you have special access!" if username is admin

"Welcome to your profile, <username>!" otherwise

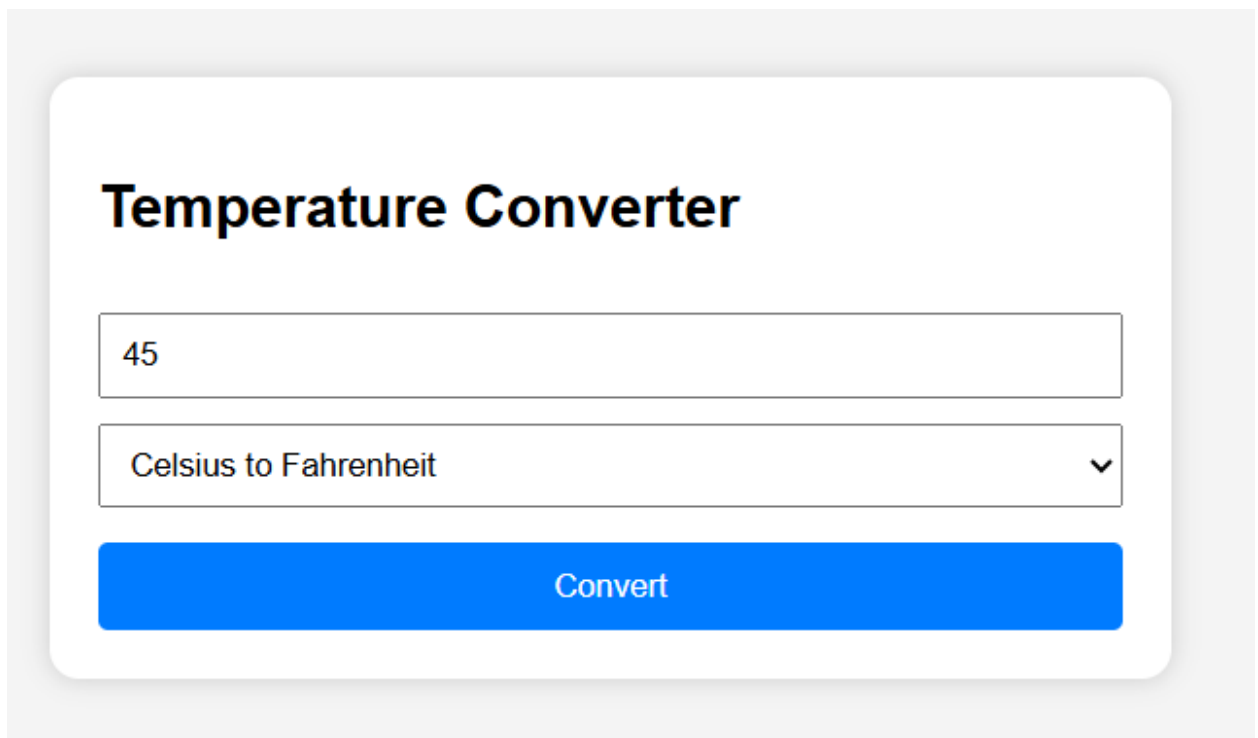
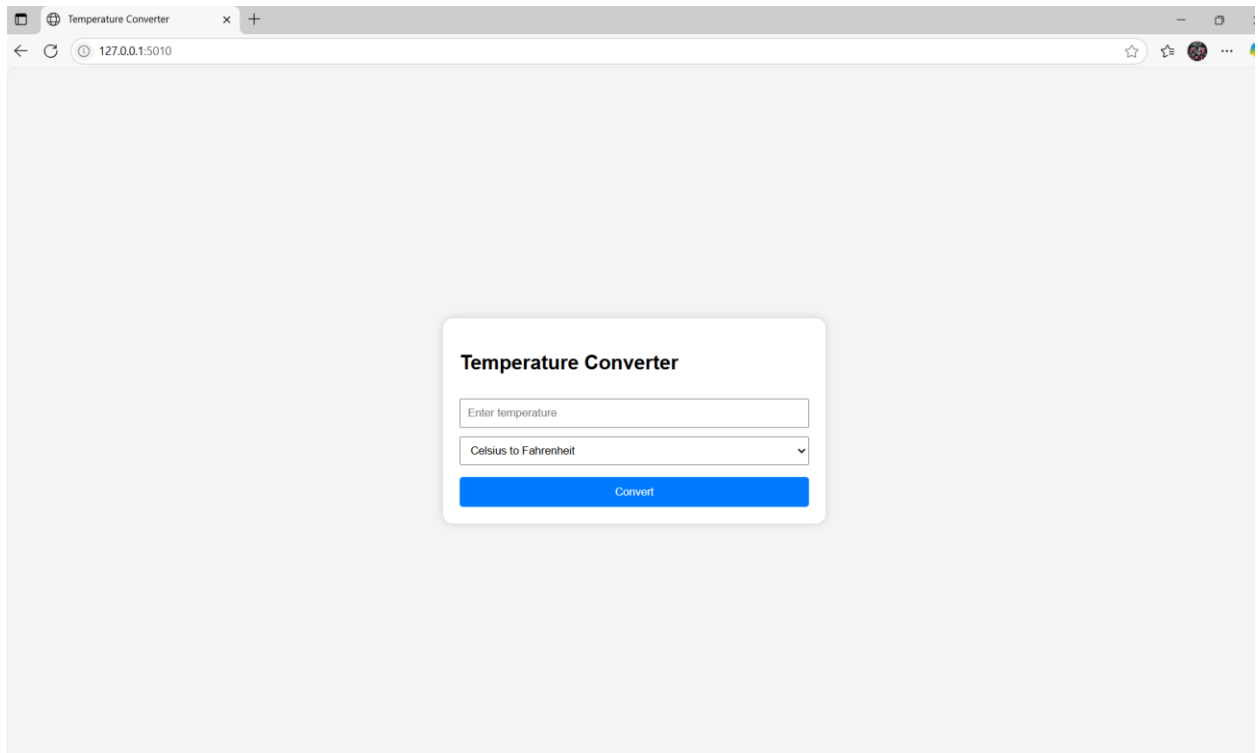




3.10 Exercise 10: Visiting /counter shows how many times the page has been accessed (increasing with each visit).



3.11 Exercise 11: Enter a temperature and choose conversion (C ↔ F) → result is displayed below the form.



Temperature Converter



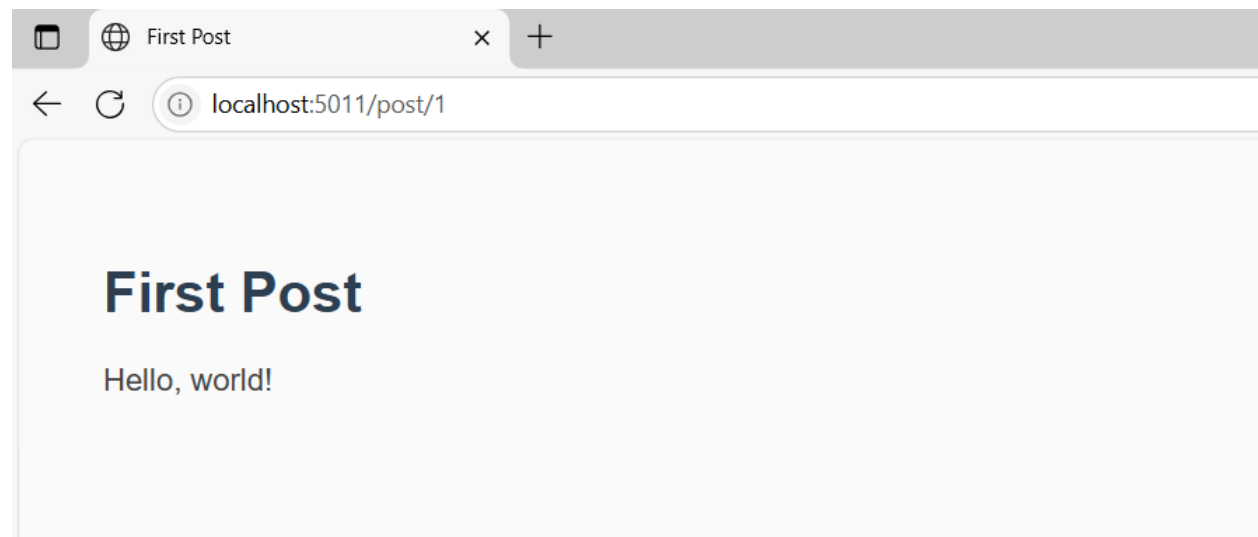
Convert

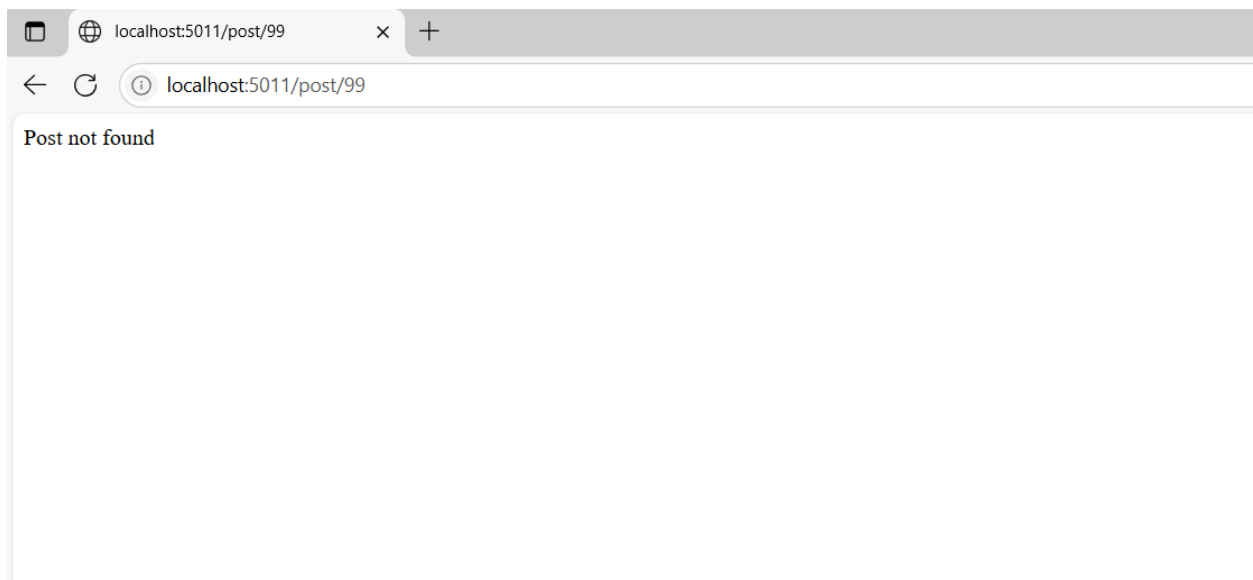
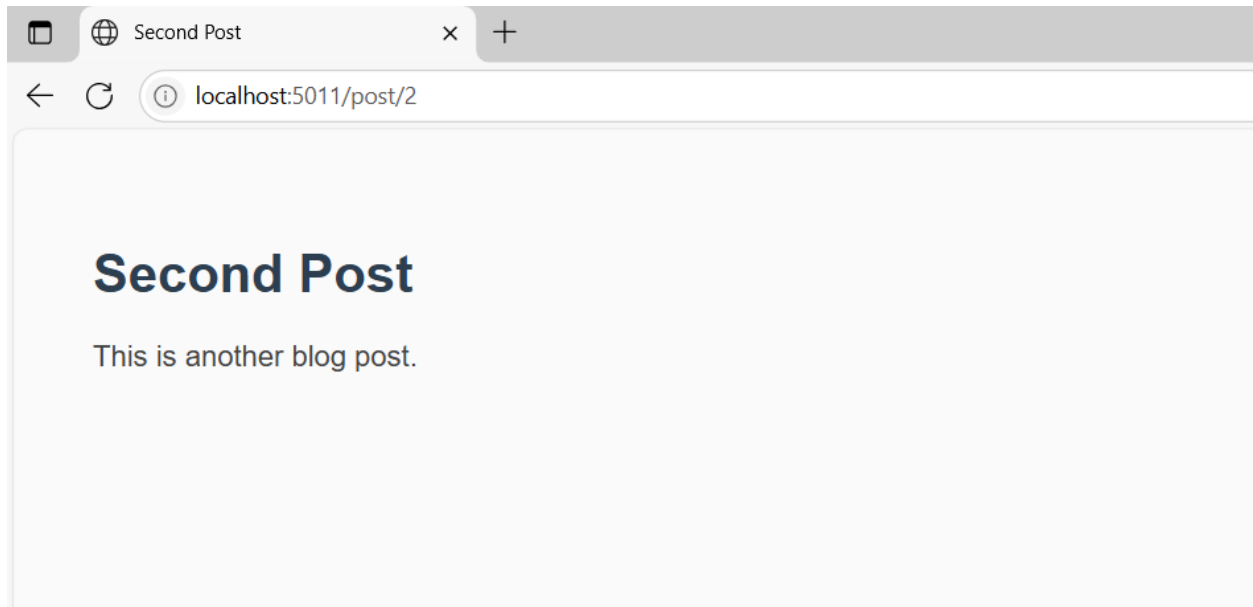
45.0°C = 113.00°F

3.12 Exercise 12:

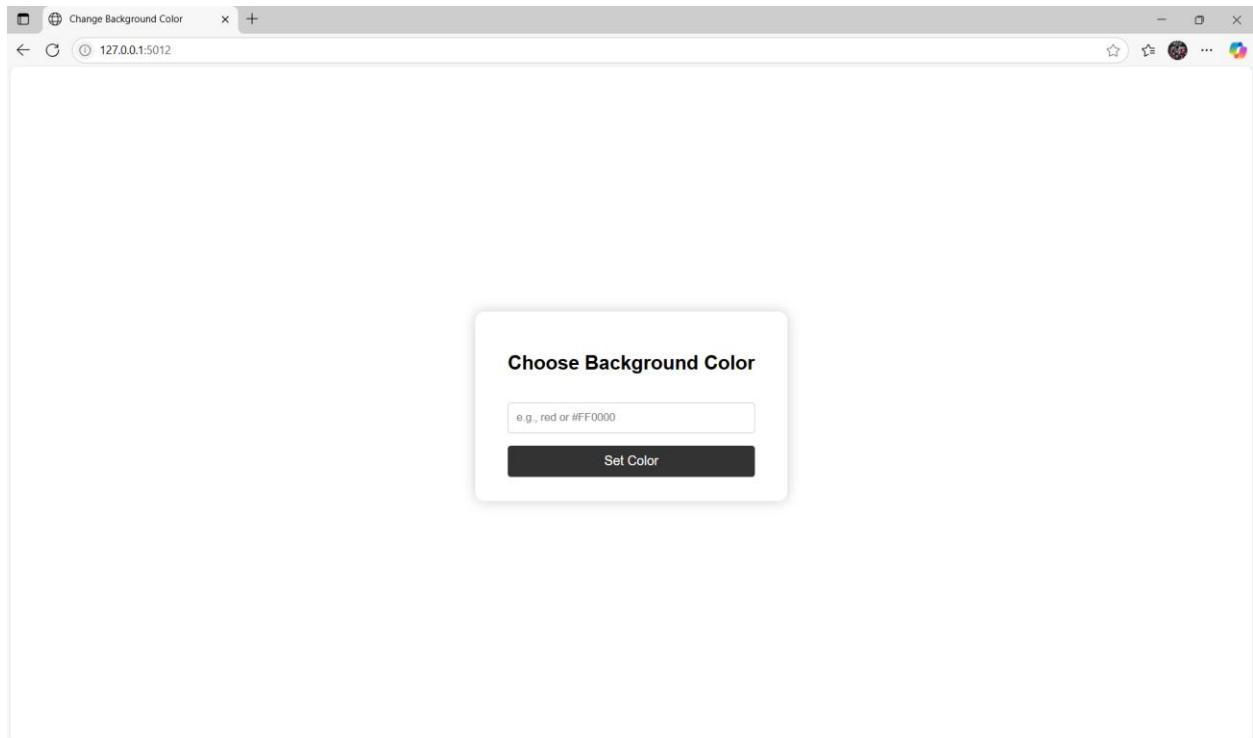
Visiting `/post/<id>` displays a blog post's title and content.

If the ID is invalid, it shows **404 Not Found**.



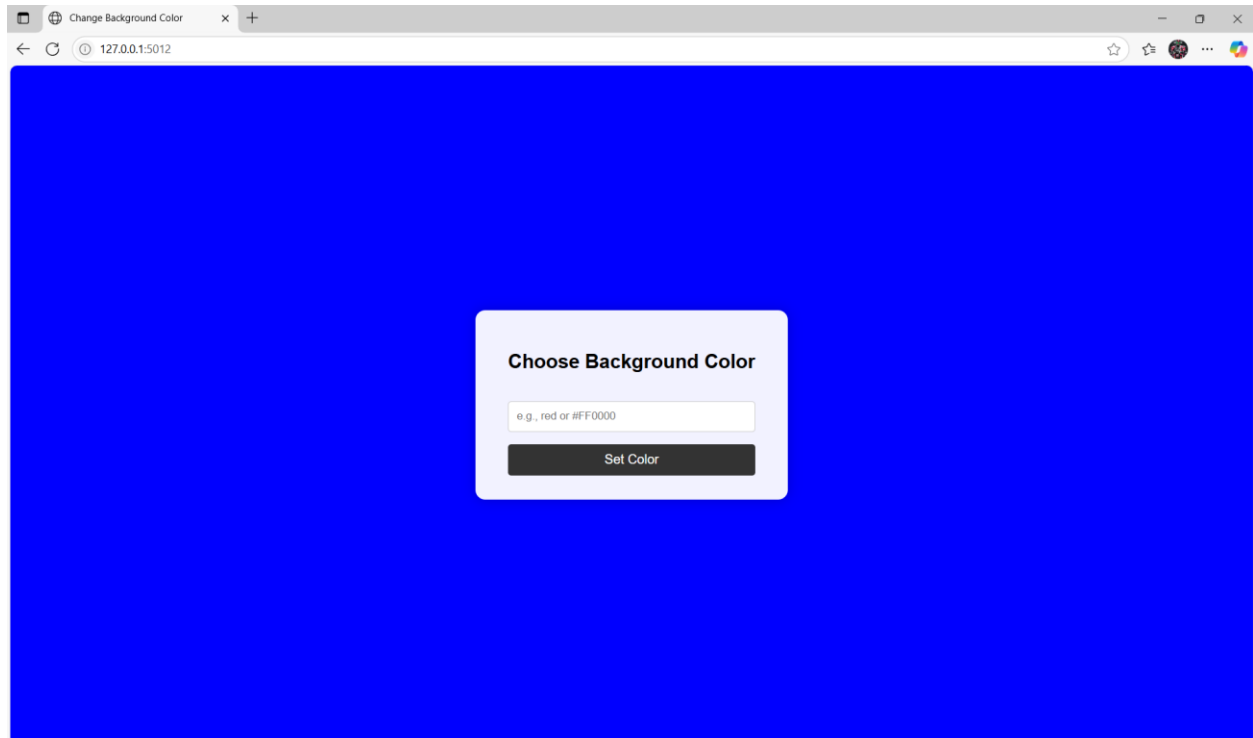


3.13 Exercise 13: A form lets the user enter a color (name or hex) → background color changes accordingly.



Choose Background Color

Set Color



3.14 Exercise 14: Enter your name and a message → it's added to a list of guestbook entries shown below.

Guestbook

127.0.0.1:5013/guestbook

Guestbook

Lê Tấn Nguyễn

sgsrbarbarnggr

Add Entry

Guestbook

Your Name

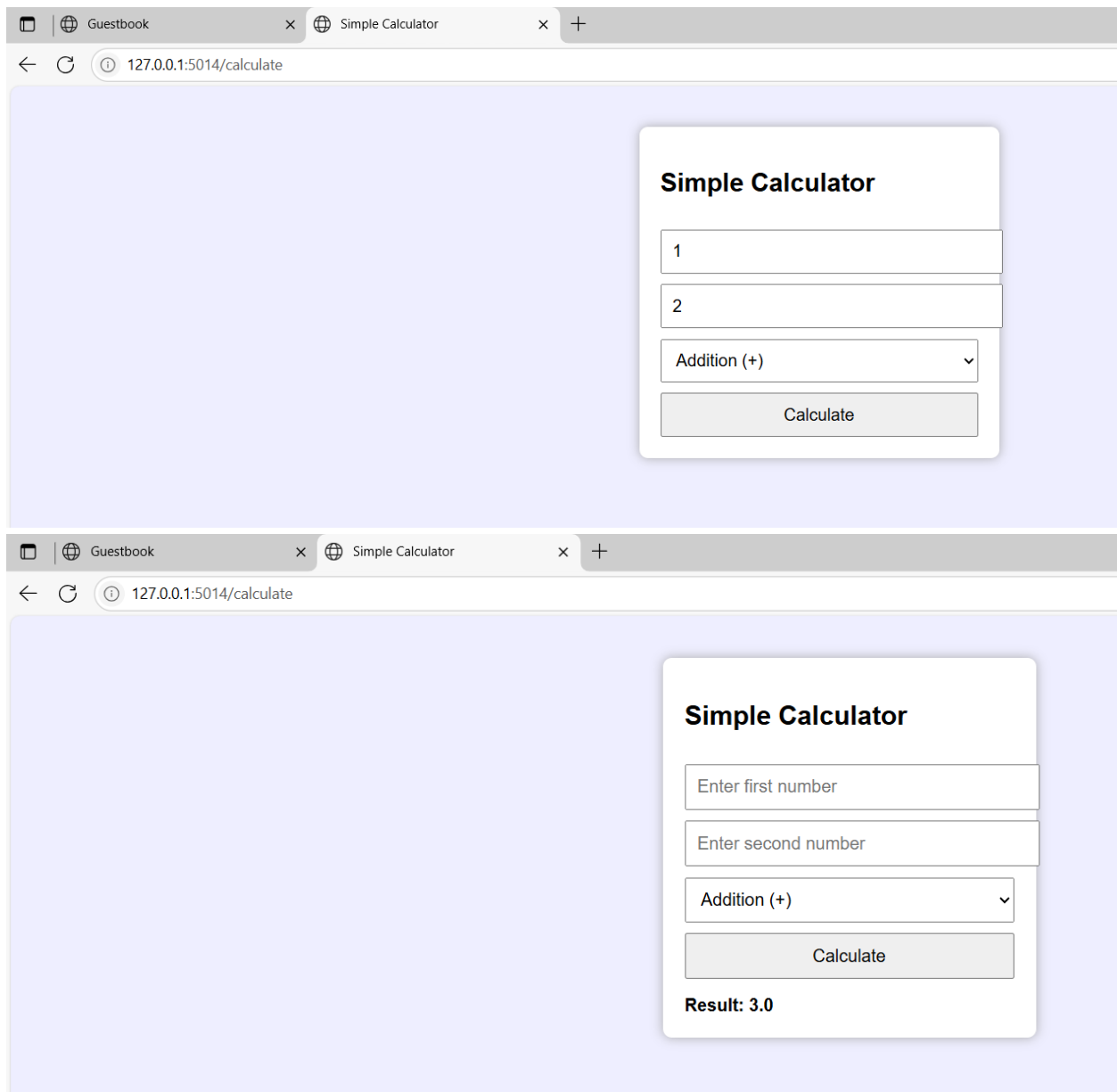
Your Message

Add Entry

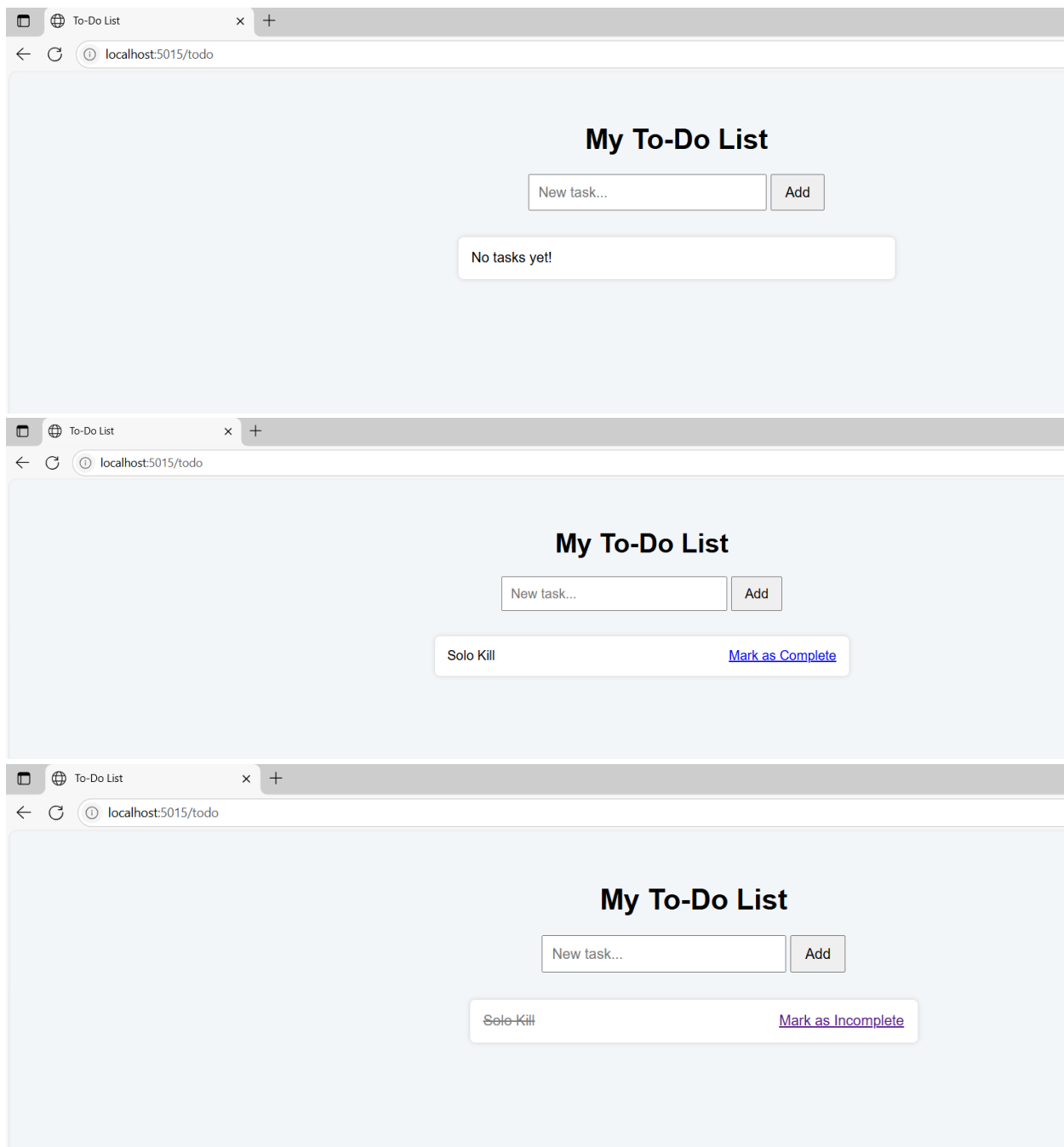
Lê Tấn Nguyễn:

dfsdvdsfbsrfhdt

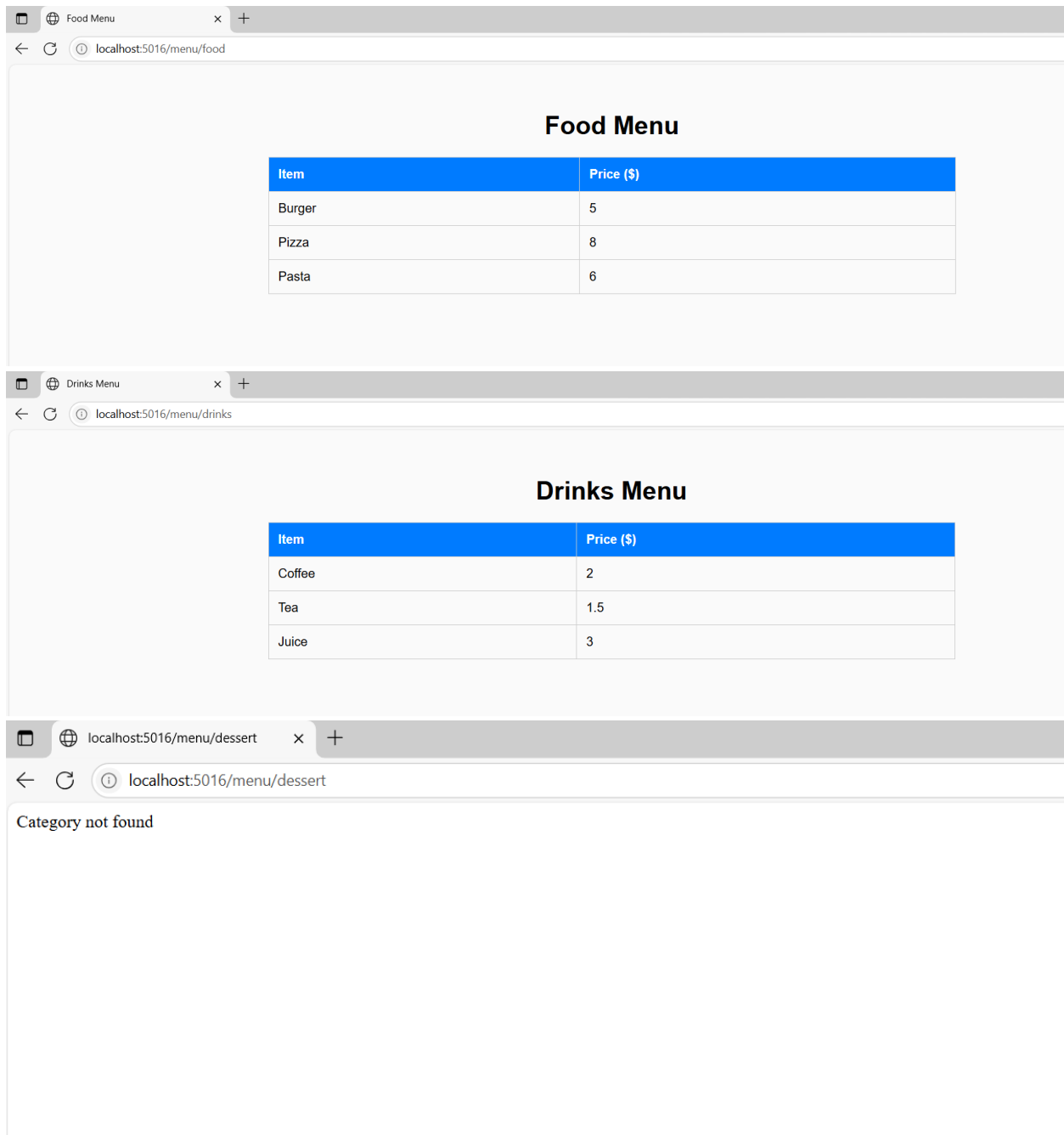
3.15 Exercise 15: Enter two numbers and choose an operation → result is shown below.
Handles divide-by-zero errors.



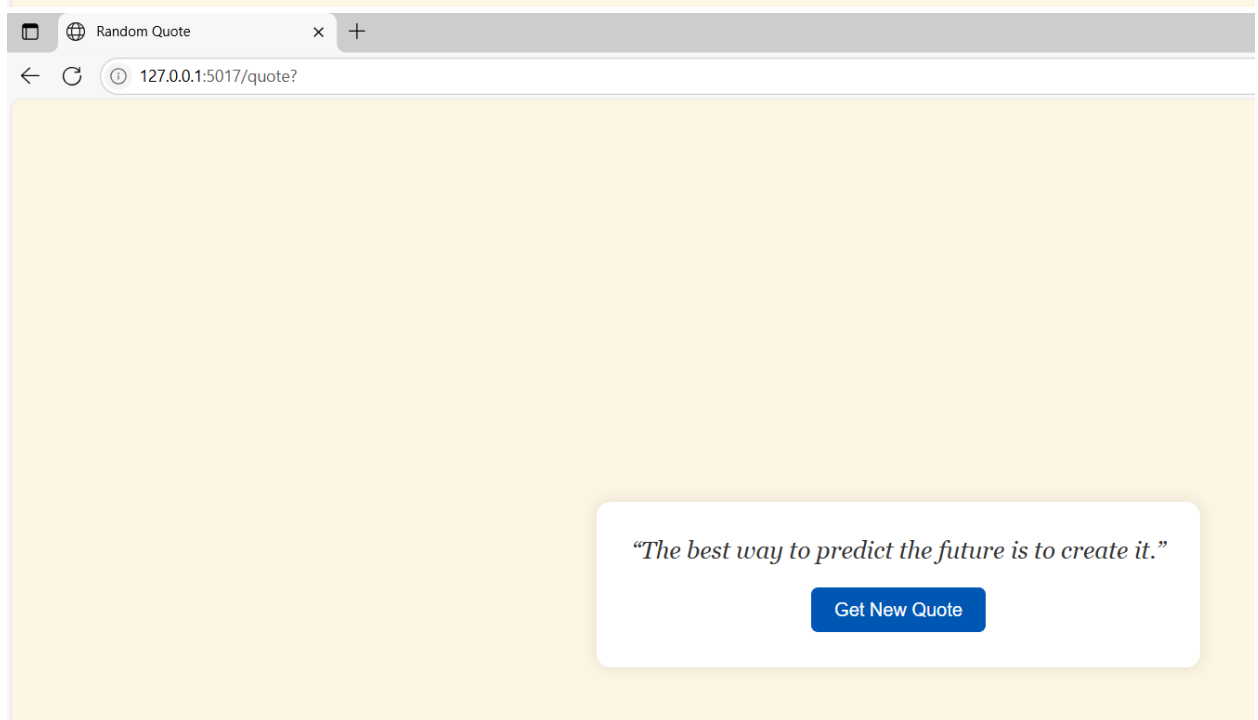
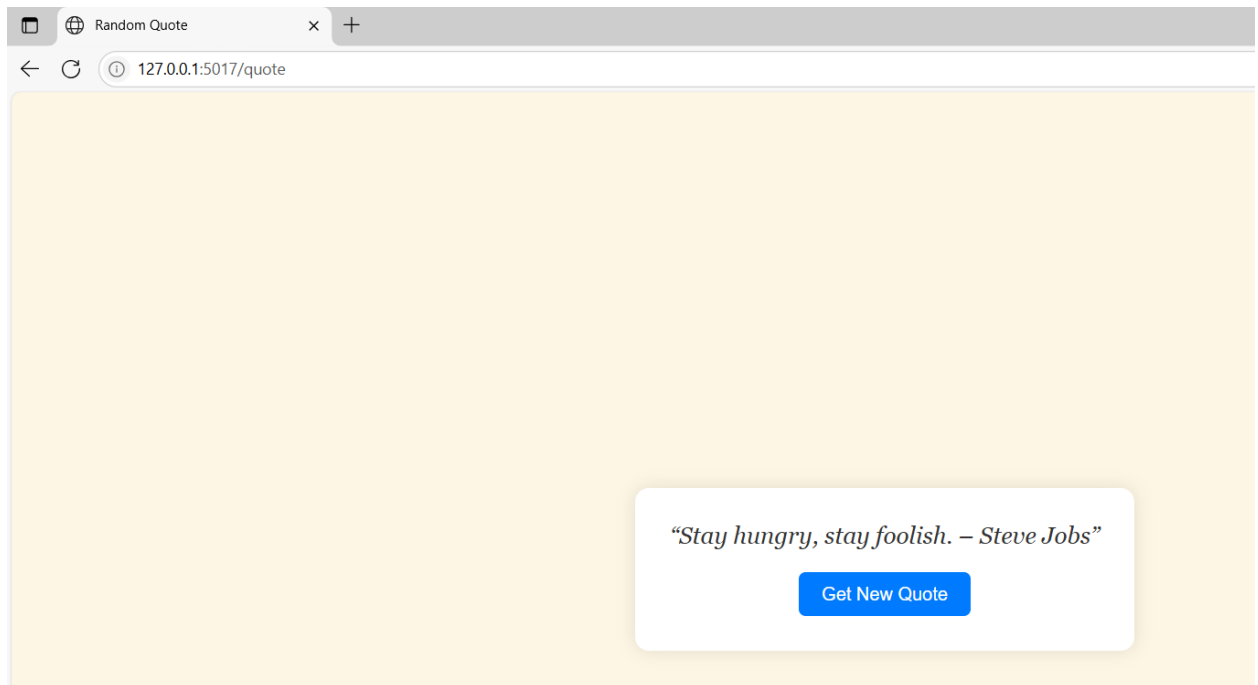
3.16 Exercise 16: Add tasks with a form → each task can be marked as completed or not.



3.17 Exercise 17: Visiting `/menu/food` or `/menu/drinks` shows items by category. Invalid category → displays **"Category not found"**.



3.18 Exercise 18: Visiting /quote shows a random quote. Click a button to load a different one.



3.19 Exercise 19: Add an event with name and date → it's displayed in a table of events.

The screenshot shows a web browser window with the title 'Event List' and the URL 'localhost:5018/events'. The page displays a form for adding an event. The form has two input fields: 'Event Name' and a date field with a placeholder 'mm/dd/yyyy' and a calendar icon. Below the inputs is an 'Add Event' button. Below the form, the text 'No events yet.' is displayed.

Event List

Event Name

mm/dd/yyyy

Add Event

No events yet.

Event List

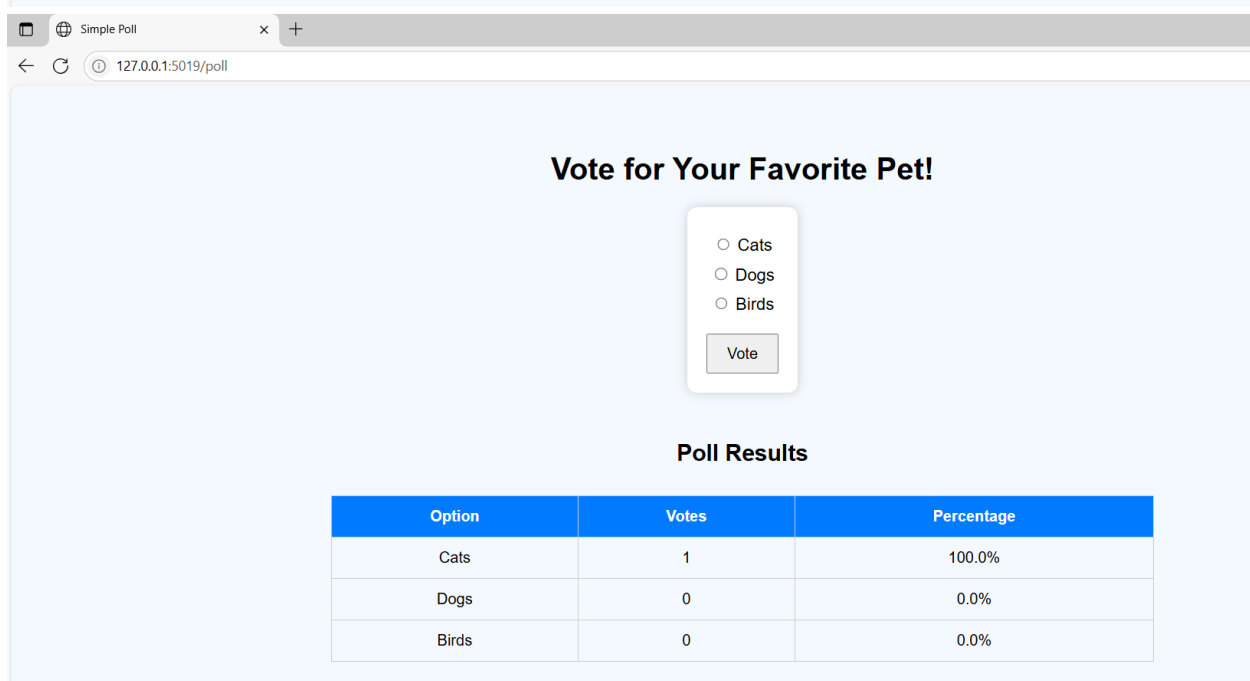
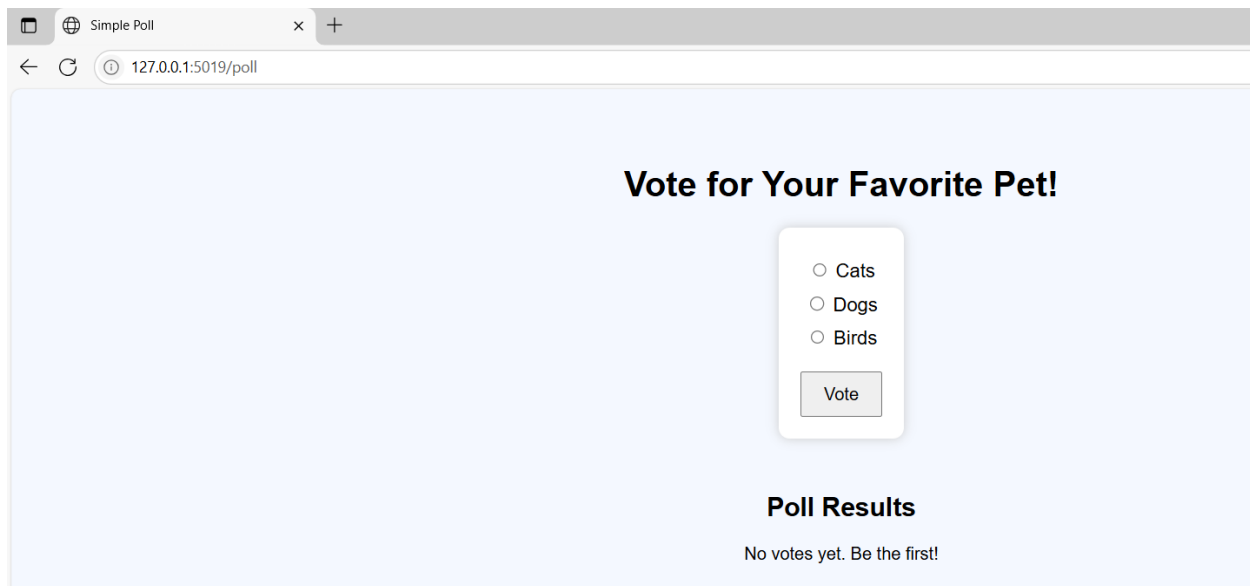
Event Name

mm/dd/yyyy

Add Event

Event Name	Date
Lê Tấn Nguyễn	2021-01-02

3.20 Exercise 20: Select one option to vote → shows total votes and percentage for each choice.



3.21 Exercise 21: Enter a book title and author → it's added to and displayed in a book table.

Book List

Sleep to Die

Gododod

Add Book

No books added yet.

Book List

Book Title

Author Name

Add Book

Title	Author
Sleep to Die	Gododod

3.22 Exercise 22:

Visiting /faq/<id> shows the corresponding question and answer.

If the ID doesn't exist → displays "FAQ not found".

Q: What is Flask?

A: Flask is a lightweight web framework for Python.

