

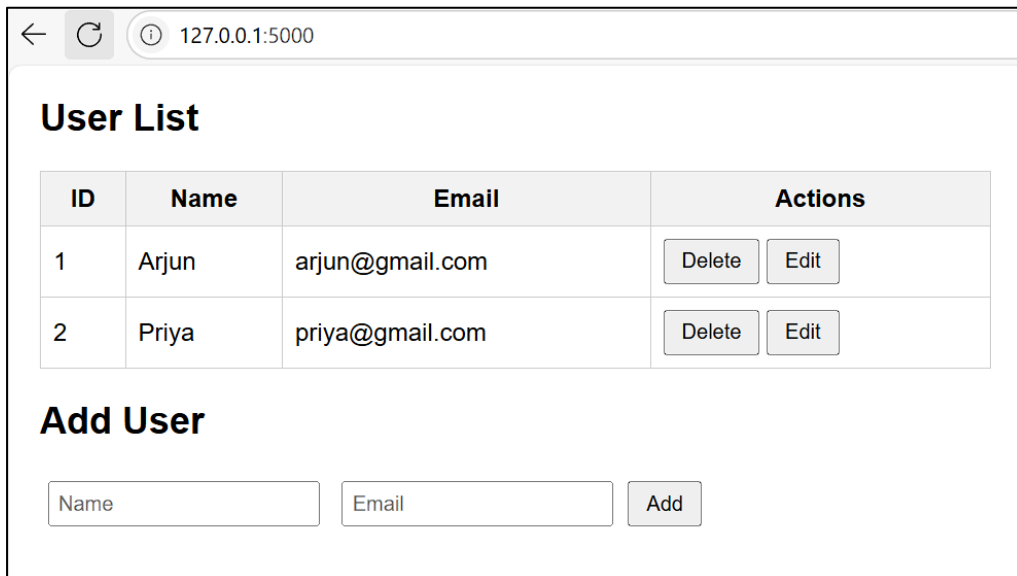
Task 4: Build a REST API with Flask

Objective: Create a REST API that manages user data.

Tools: Python, Flask, Browser

Deliverables: Flask app with GET/POST/PUT/DELETE route

1. Actual list of users when app is started at first:



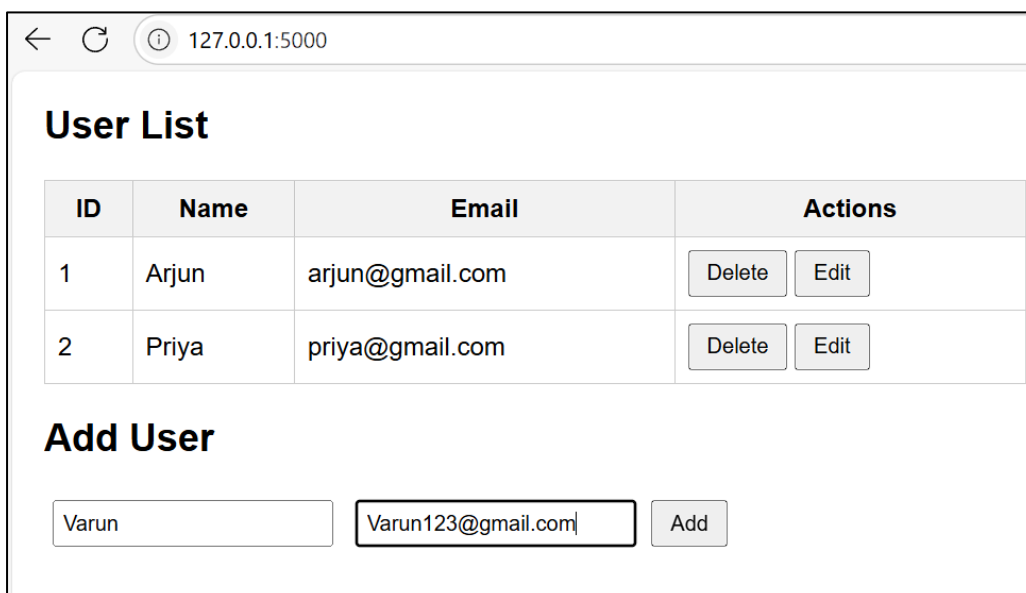
A screenshot of a web browser window showing a REST API interface. The address bar displays '127.0.0.1:5000'. The page has a title 'User List' and contains a table with two rows of user data. Below the table is an 'Add User' section with input fields for 'Name' and 'Email', and an 'Add' button.

ID	Name	Email	Actions
1	Arjun	arjun@gmail.com	<button>Delete</button> <button>Edit</button>
2	Priya	priya@gmail.com	<button>Delete</button> <button>Edit</button>

Add User

Add

2. Adding a new user to the list



A screenshot of the same web browser window after adding a new user. The 'User List' table now contains three rows. In the 'Add User' section, the 'Name' field is filled with 'Varun' and the 'Email' field is filled with 'Varun123@gmail.com'. The 'Add' button is still present.

ID	Name	Email	Actions
1	Arjun	arjun@gmail.com	<button>Delete</button> <button>Edit</button>
2	Priya	priya@gmail.com	<button>Delete</button> <button>Edit</button>
	Varun	Varun123@gmail.com	

Add User

Add

3. Updating information of a user:

← ↻ ⓘ 127.0.0.1:5000/edit/2?

User List

ID	Name	Email	Actions
1	Arjun	arjun@gmail.com	<button>Delete</button> <button>Edit</button>
2	Priya	priya@gmail.com	<button>Delete</button> <button>Edit</button>
3	Varun	Varun123@gmail.com	<button>Delete</button> <button>Edit</button>

Add User

Add

Edit User

Update

4. List of all users:

← ↻ ⓘ 127.0.0.1:5000




User List

ID	Name	Email	Actions
1	Arjun	arjun@gmail.com	<button>Delete</button> <button>Edit</button>
2	Priya	priya1234@gmail.com	<button>Delete</button> <button>Edit</button>
3	Varun	Varun123@gmail.com	<button>Delete</button> <button>Edit</button>

Add User

Add

5. List after deleting user 1:

 127.0.0.1:5000

User List

ID	Name	Email	Actions
2	Priya	priya1234@gmail.com	<button>Delete</button> <button>Edit</button>
3	Varun	Varun123@gmail.com	<button>Delete</button> <button>Edit</button>

Add User

Add