

Building Entry System Assessment

Submitted by:

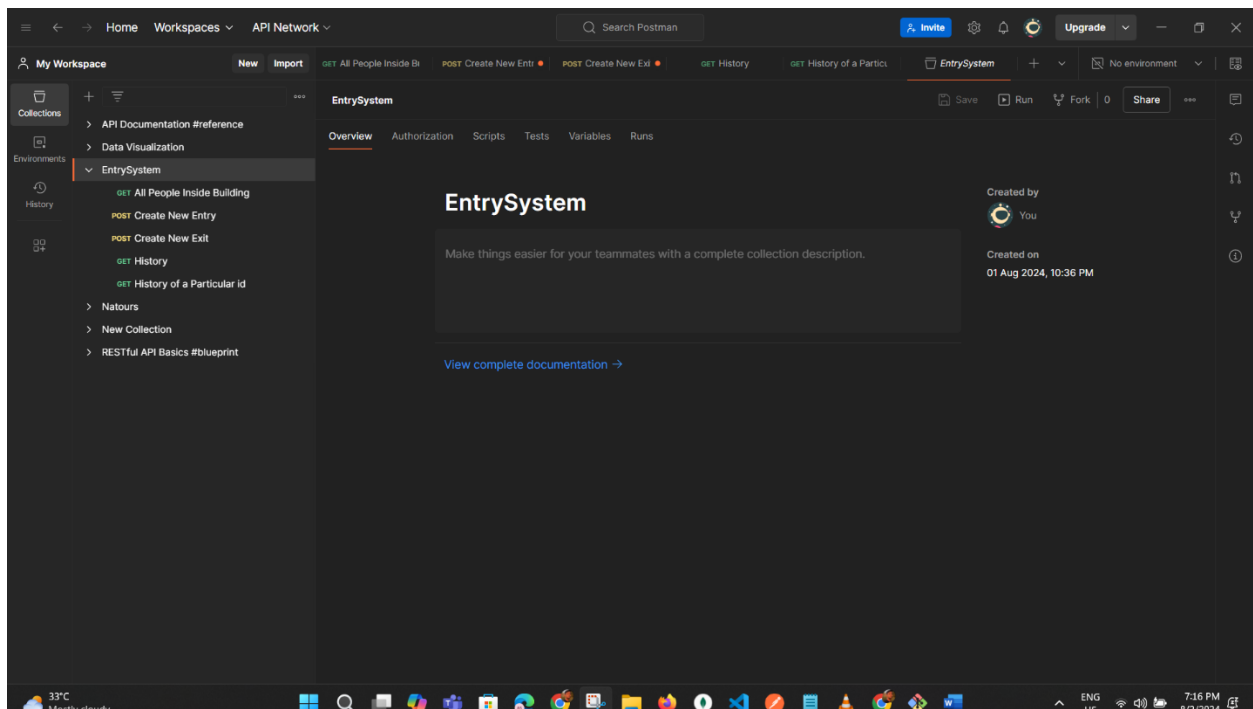
Anant Raj Shekhar (20MIS0152) Vellore Institute of Technology, Vellore

This document shows the results achieved during the execution of this project. APIs events are implemented to register entry and exit events for people entering and leaving the building.

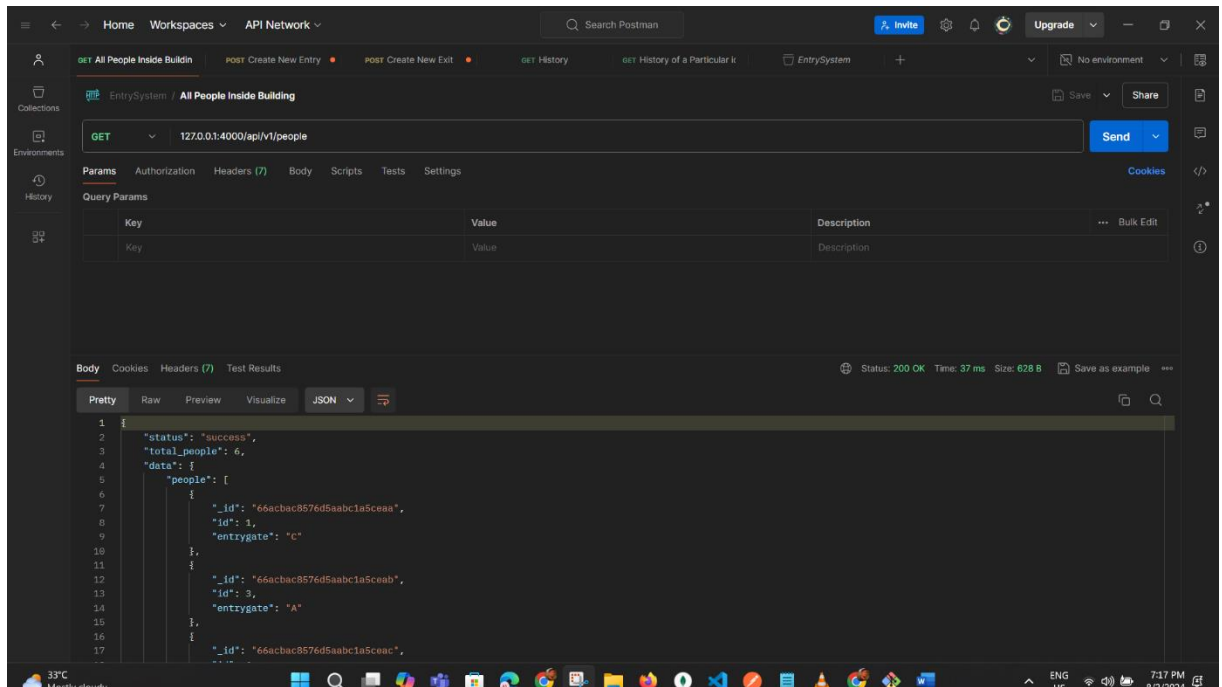
Technologies used: MongoDB, Node.js, Express.js, React.

Tools used: Postman, Vercel

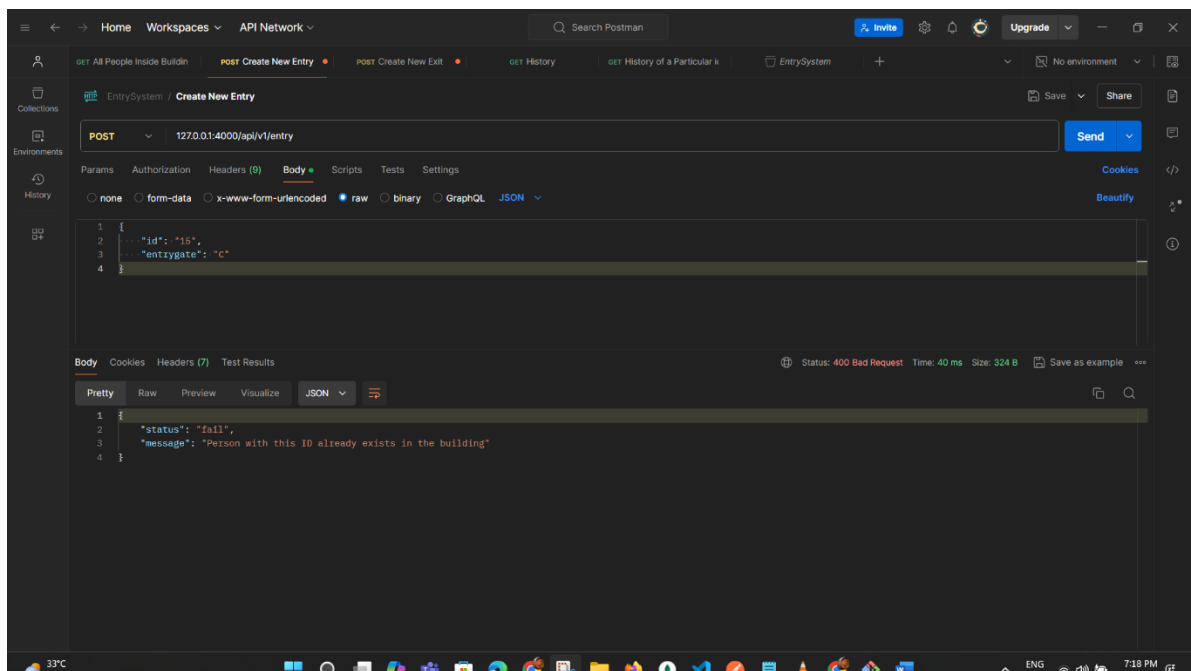
This is my postman interface which includes a Collection: EnrtrySystem for testing APIs



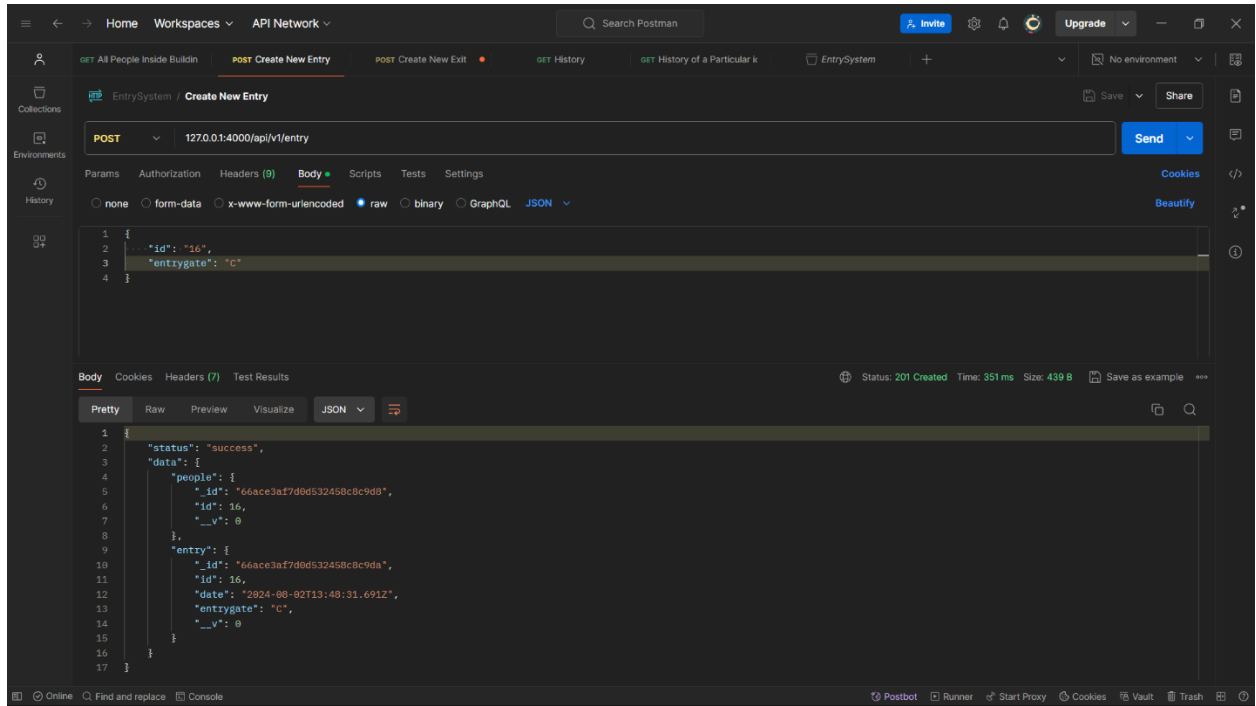
- /people: GET method to retrieve the list of people currently inside the building.



- /entry: POST method to register a person's entry into the building. The request body should contain the person's ID and the entry gate.
 - a) When person with this id already exists in the building

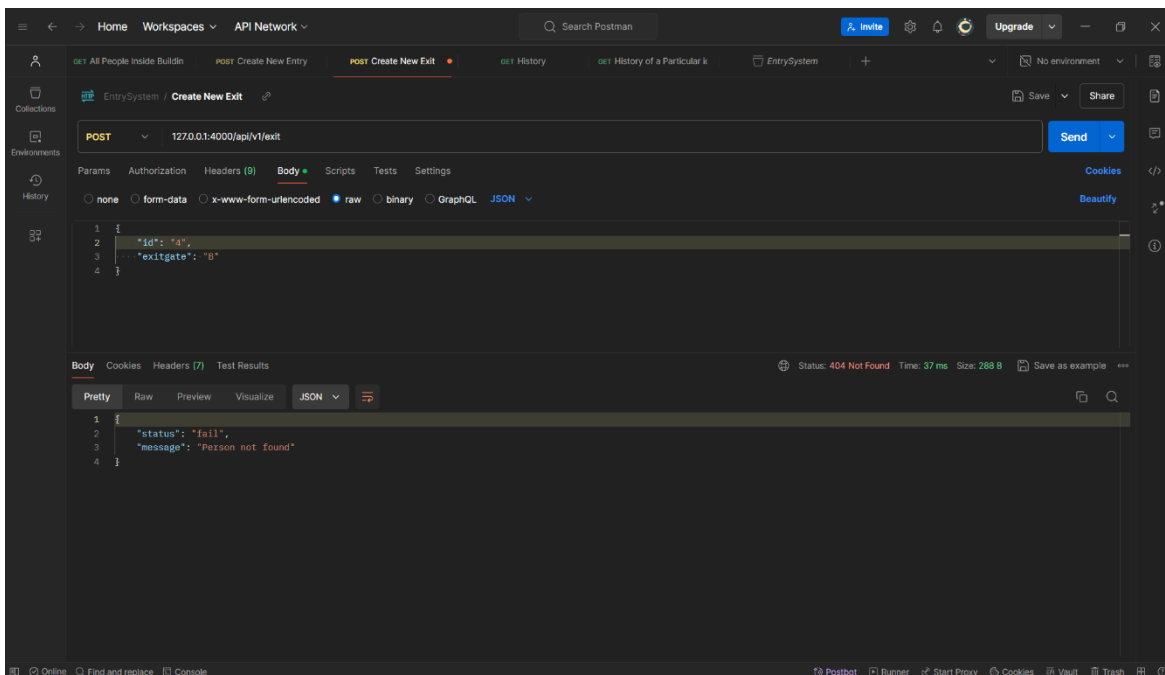


b) When person with this id does not exist in the building

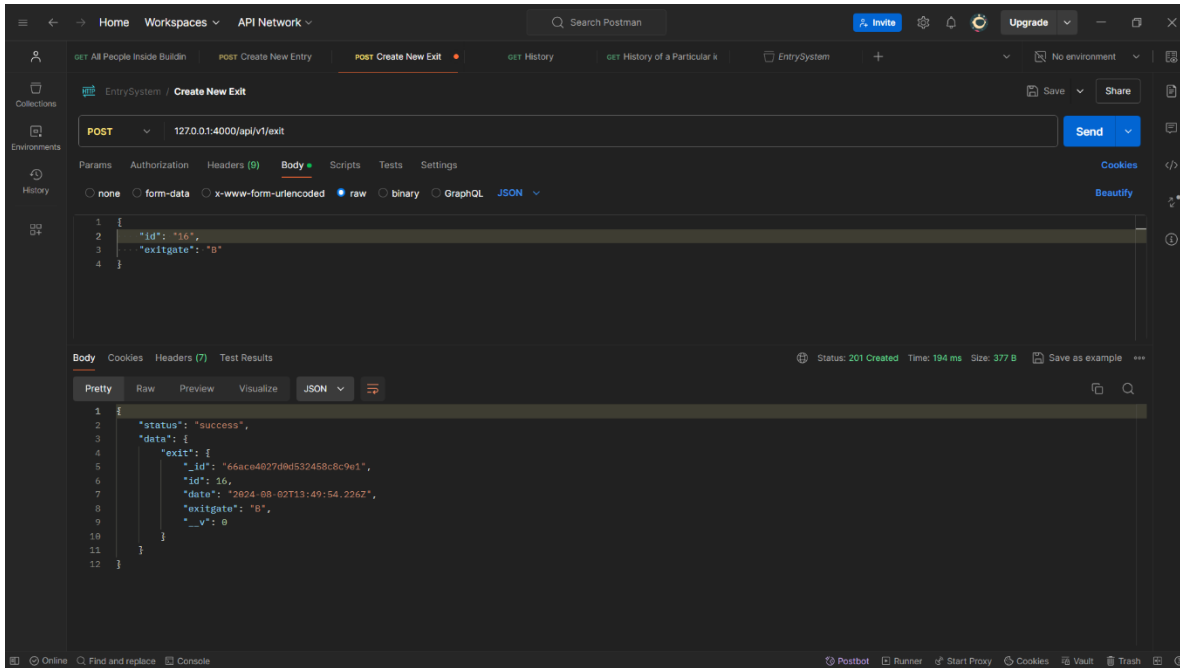


- `/exit`: POST method to register a person's exit from the building. The request body should contain the person's ID and the exit gate. (The below two testcases ensures that the id cannot be used multiple times within an entry-exit session)

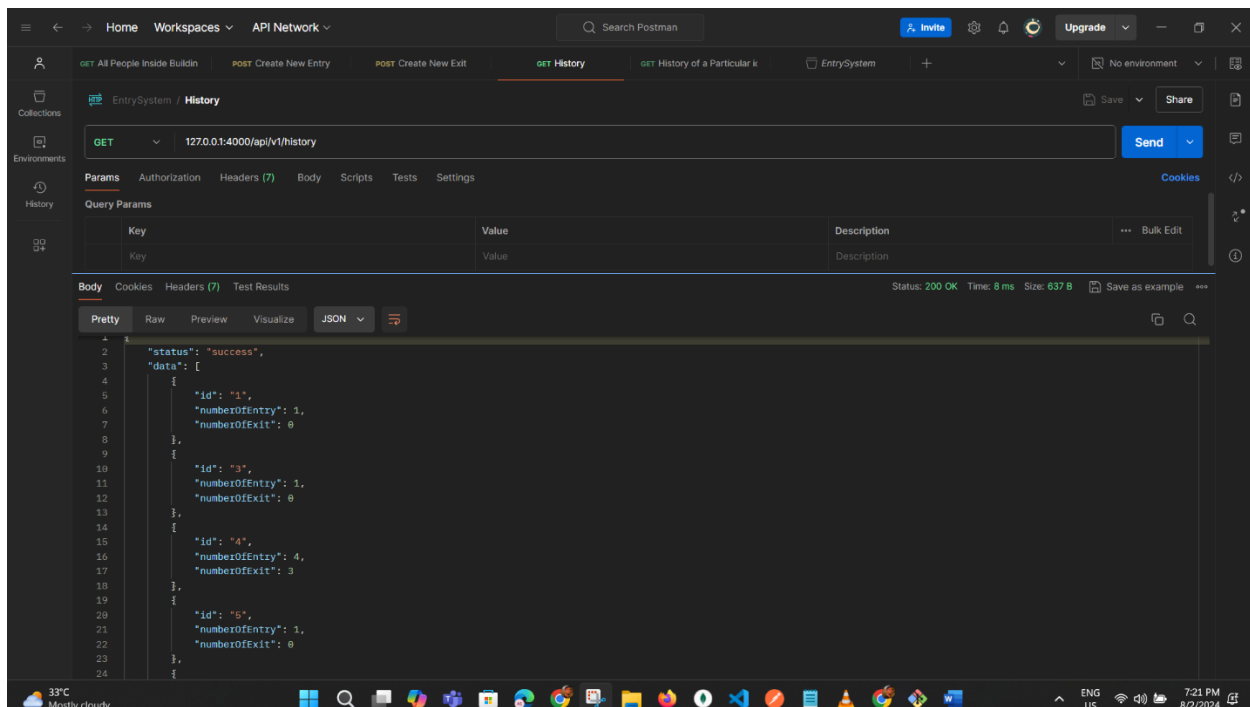
a) When the person exiting the building did not enter the building in the first instance

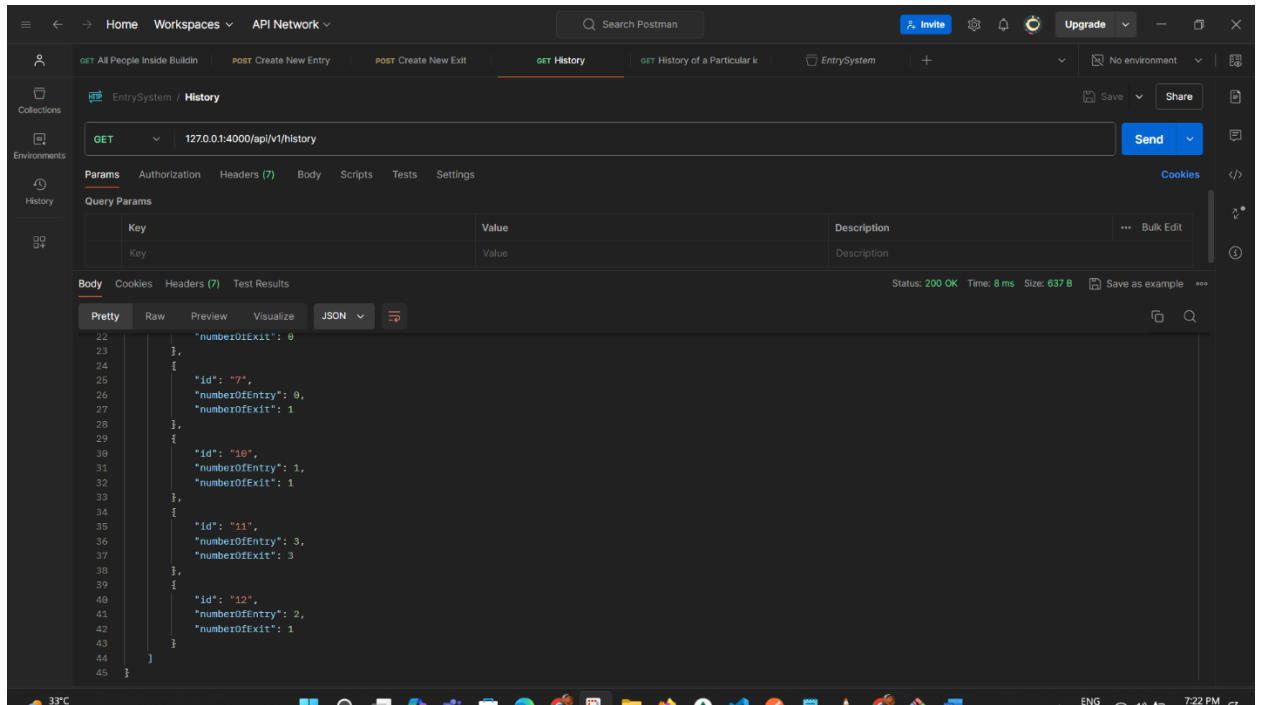


b) When the person exiting the building is someone who did enter the building earlier

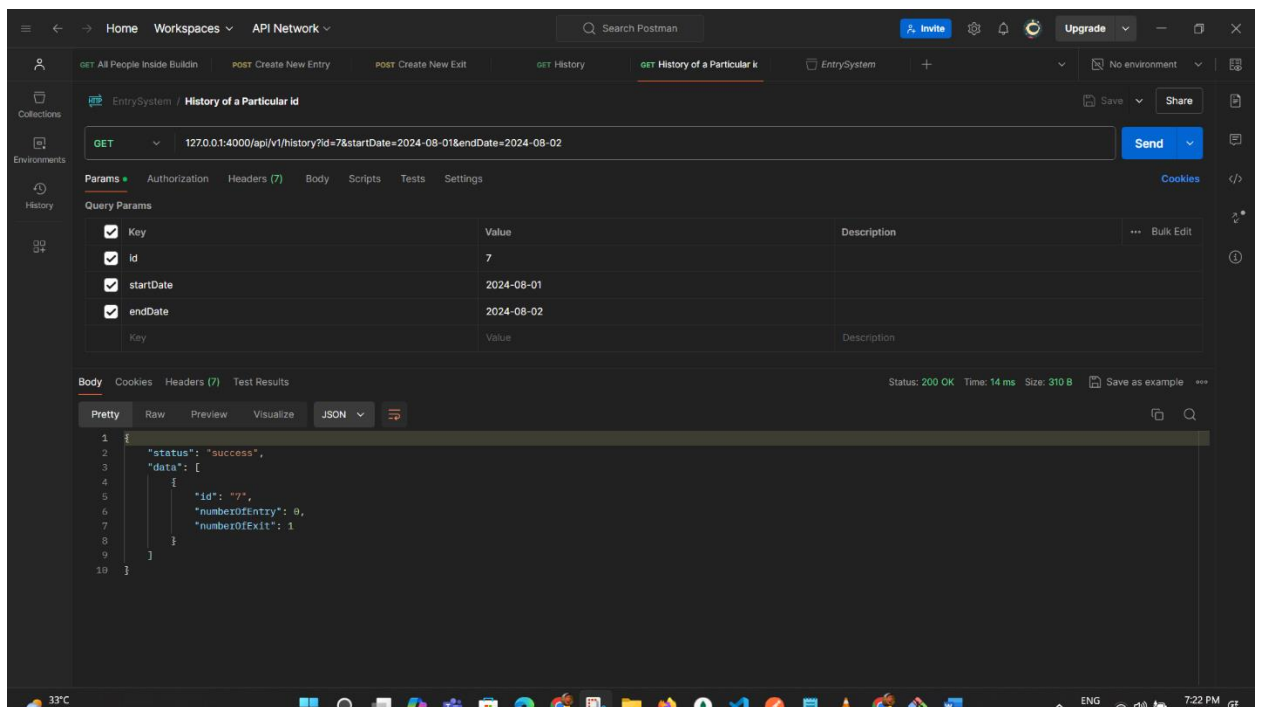


- `/history`: GET method to retrieve the entry and exit history

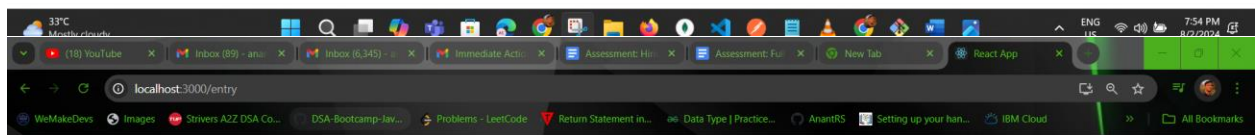
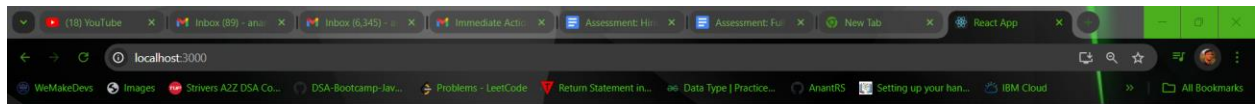




- `/history`: GET method to retrieve the entry and exit history of a particular person within a given date range.



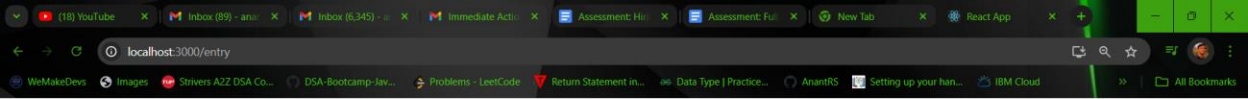
MINIMAL WEBSITE



Entry

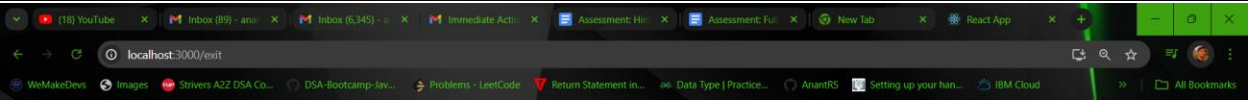
ID	Entry Gate	Submit Entry
----	------------	--------------





- [Entry](#)
- [Exit](#)
- [People](#)
- [History](#)

Entry

- [Entry](#)
- [Exit](#)
- [People](#)
- [History](#)

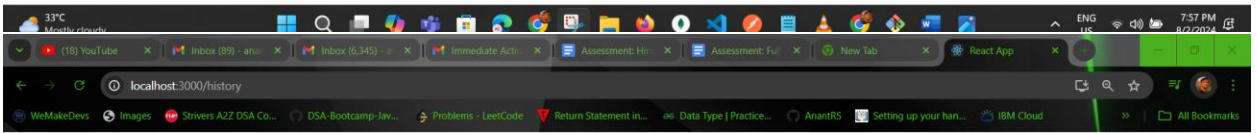
Exit



- [Entry](#)
- [Exit](#)
- [People](#)
- [History](#)

People Inside

Error: Network Error



- [Entry](#)
- [Exit](#)
- [People](#)
- [History](#)

History



(18) YouTube

Inbox (89) - an...

Inbox (6,345) -

Immediate Acti...

Assessment: Hi...

Assessment: Fu...

New Tab

React App

localhost:3000/history

WeMakeDevsImagesStrivers AZZ DSA Co...DSA-Bootcamp-Jav...Problems - LeetCodeReturn Statement in...Data Type | Practice...AnandRSSetting up your han...IBM CloudAll Bookmarks

- Entry
- Edit
- Reopen
- History

History

5

08/02/202408/01/2024Fetch History

33°C

ENG7:58 PM