

DA-IICT MSTC WoC 2.0

Project Report

Project: Visitor Manager Web Application

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Project Description:

E - Register, the Visitor Manager Web Application is a tool to effectively record and retrieve data, intended to be used by anyone, who as a host, wishes to maintain the data of his/her visitors.

Tools and Technology used:

- ⇒ Python 3.8.0 as back-end programming language.
- ⇒ PyCharm 2019.3 as a IDE for Python
- ⇒ Django 3.0.2 as a Python based framework for web development.
- ⇒ SQLite 3 as a DBMS.
- ⇒ HTML 5 for front-end layout.
- ⇒ CSS for front-end designing.
- ⇒ JavaScript for front-end validation.
- ⇒ Twilio as a package for SMS notifications.
- ⇒ Gmail SMTP as a package for E-mail notifications.
- ⇒ www.google.com, www.youtube.com, www.djangoproject.com, www.stackoverflow.com, www.geeksforgeeks.com websites for research work.

Features:

- ⇒ Systematic data storage.
- ⇒ Separated dedicated databases for data of both hosts and visitors.
- ⇒ E-mail notification from the app's official account to the host for every visitor check-in and check-out.
- ⇒ SMS notification to the host for every visitor check-in and check-out.
- ⇒ User-friendly and easily understandable UI.
- ⇒ Strict validations for every data entry in the form(s) irrespective of that being of the host(s) or the visitor(s).

Future aspects:

- ⇒ Multipage Responsive Layout.
- ⇒ Password validation.
- ⇒ Multiple host functionality.
- ⇒ Account maintenance for both host and visitor.
- ⇒ Support for multiple re-entries of same credentials.
- ⇒ Time of the app set to Indian Standard Time (IST).
- ⇒ Set appropriate format for date and time.

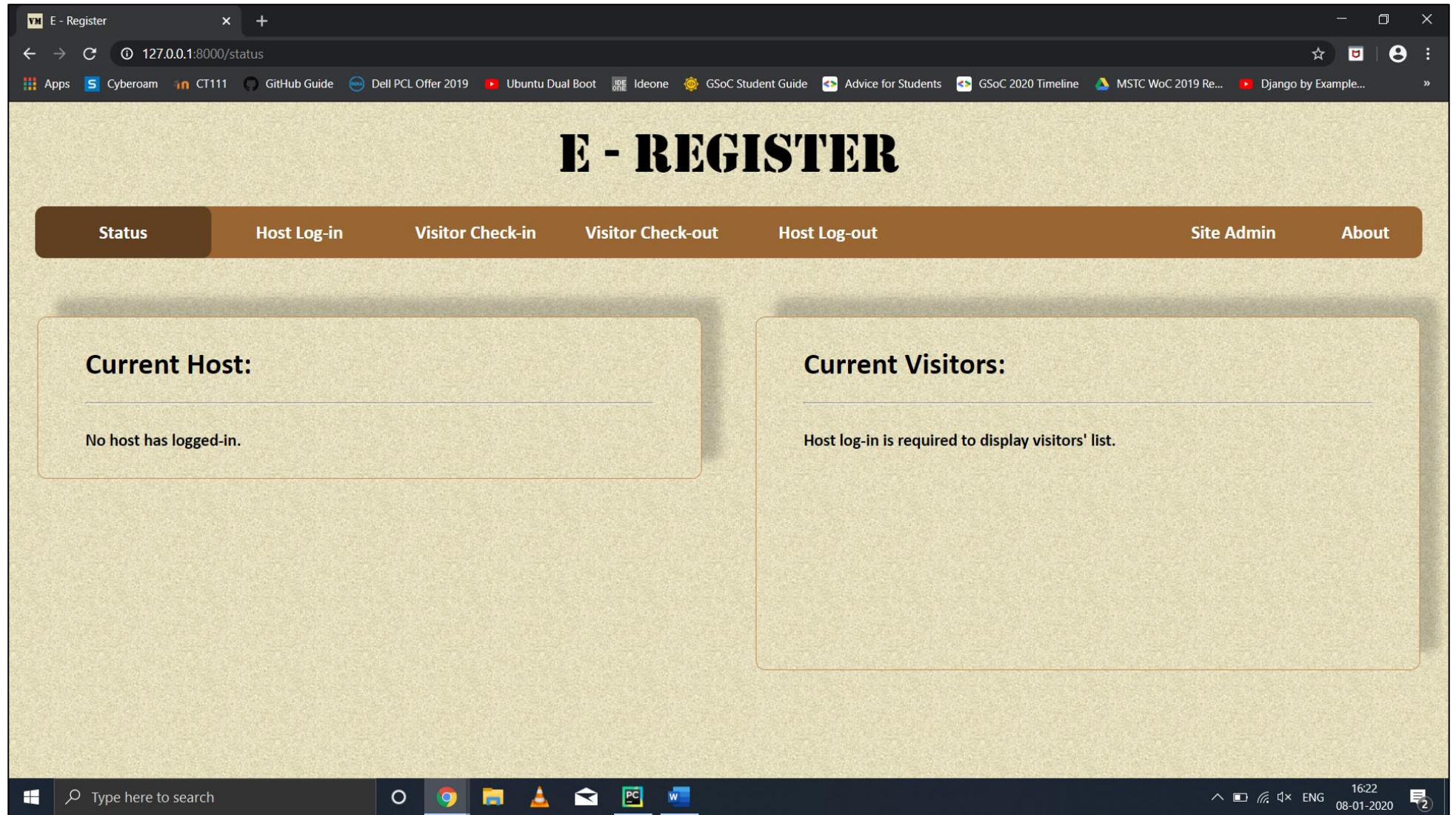
Github Link:

https://github.com/dishantvyas15/visitor_manager_app

Overall Experience:

- ⇒ Primely, I learnt how to learn new things.
- ⇒ Now I can figure out which resource on the internet to look for, to know a specific thing.
- ⇒ I am very enthusiastic about this project as this is my first full-stack development project.
- ⇒ I have the experience of designing websites but always wanted to program at the back-end. I am happy to have utilized this opportunity.
- ⇒ From “What is this error and why is this error occurring?” to telling my peers “I have worked on Python/Django,” working on this app has been a splendid task for me.

Screenshots:



E - Register

127.0.0.1:8000/status

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E - REGISTER

Status

Host Log-in

Visitor Check-in

Visitor Check-out

Host Log-out

Site Admin

About

Current Host:

host_1

Current Visitors:

1. visitor_1

Check-in: Jan. 8, 2020, 11:05 a.m. GMT

2. visitor_2

Check-in: Jan. 8, 2020, 11:09 a.m. GMT

3. visitor_5

Check-in: Jan. 8, 2020, 11:11 a.m. GMT

Type here to search

Google

File Explorer

Firefox

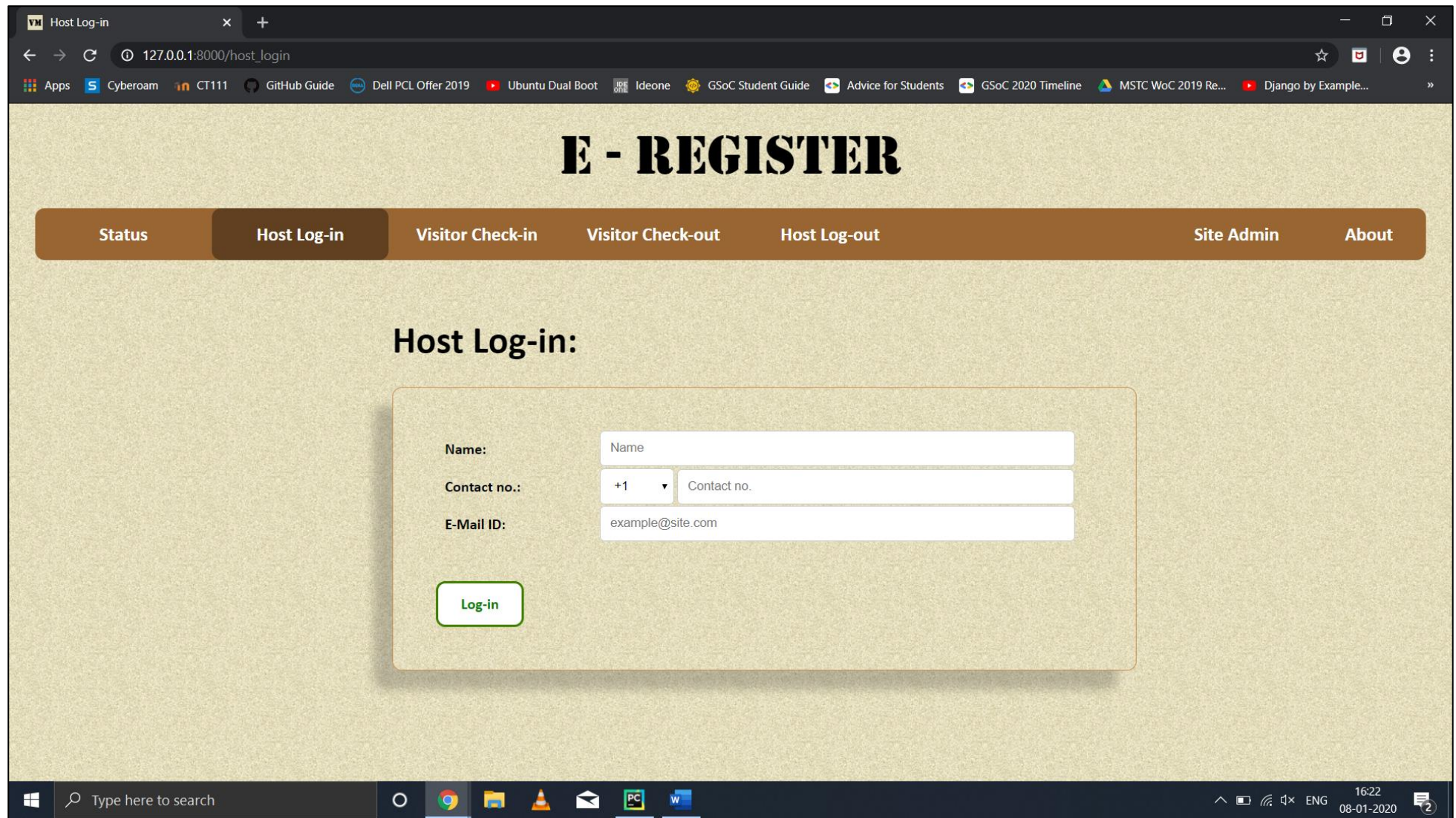
Mail

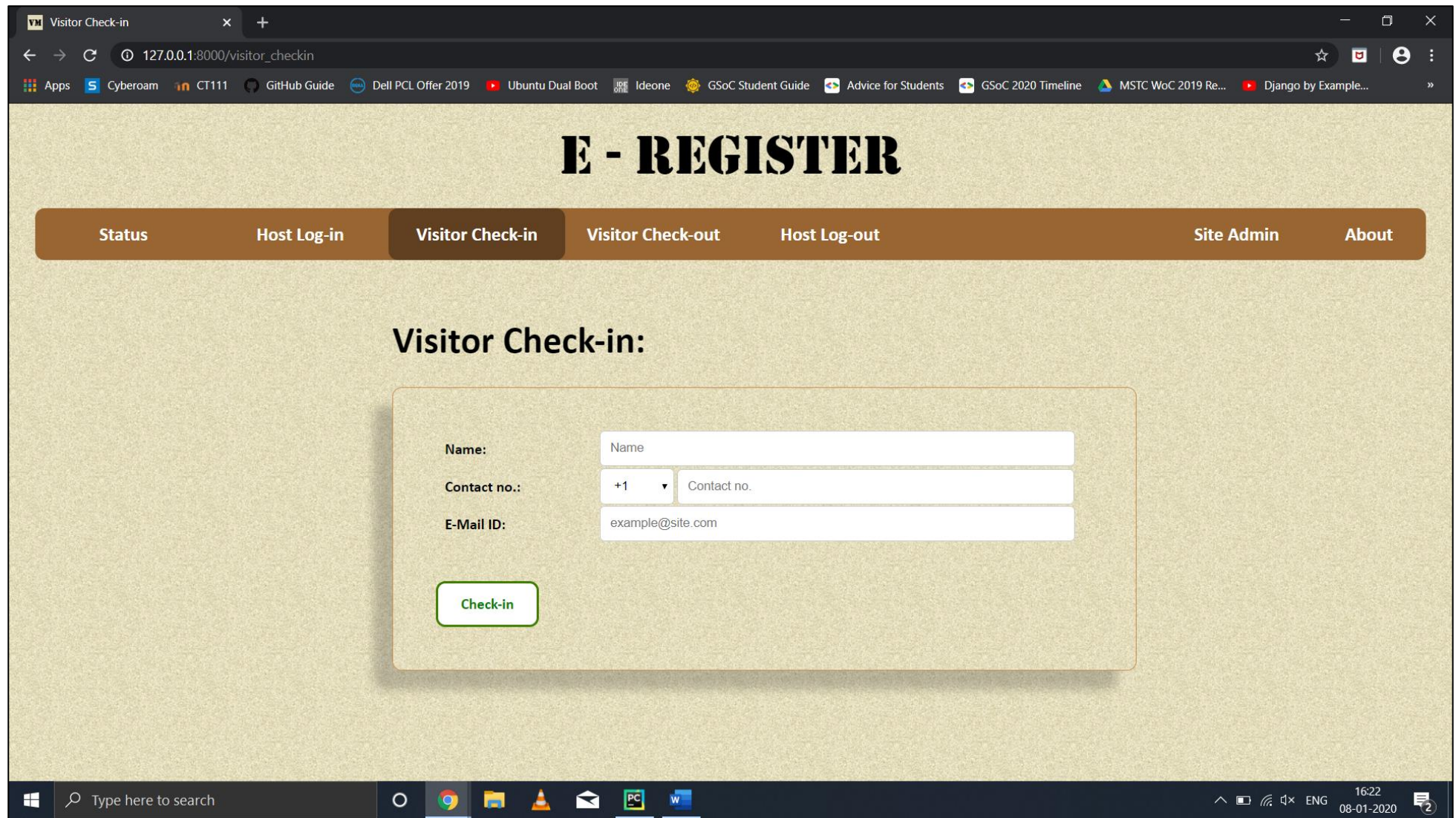
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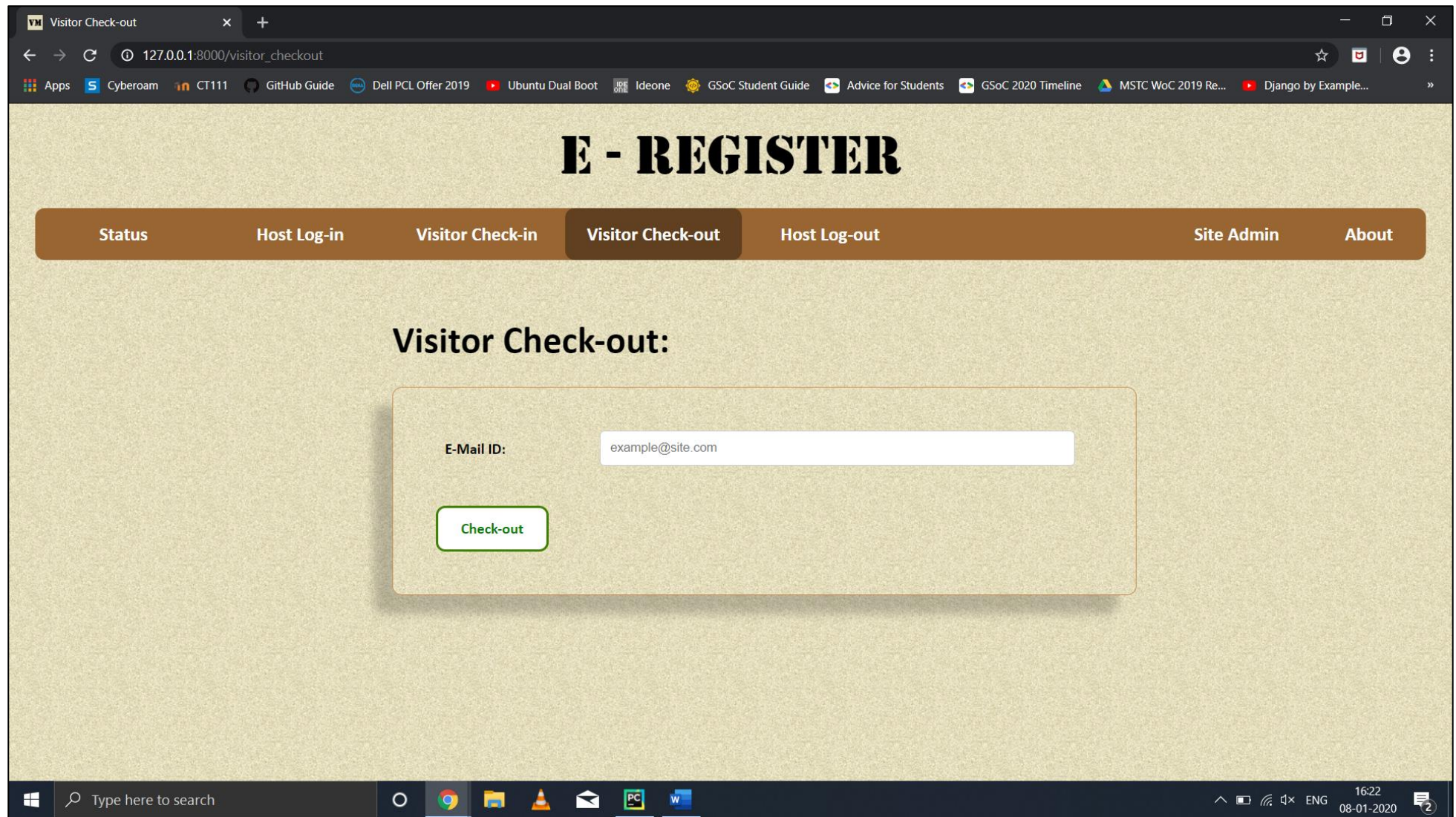
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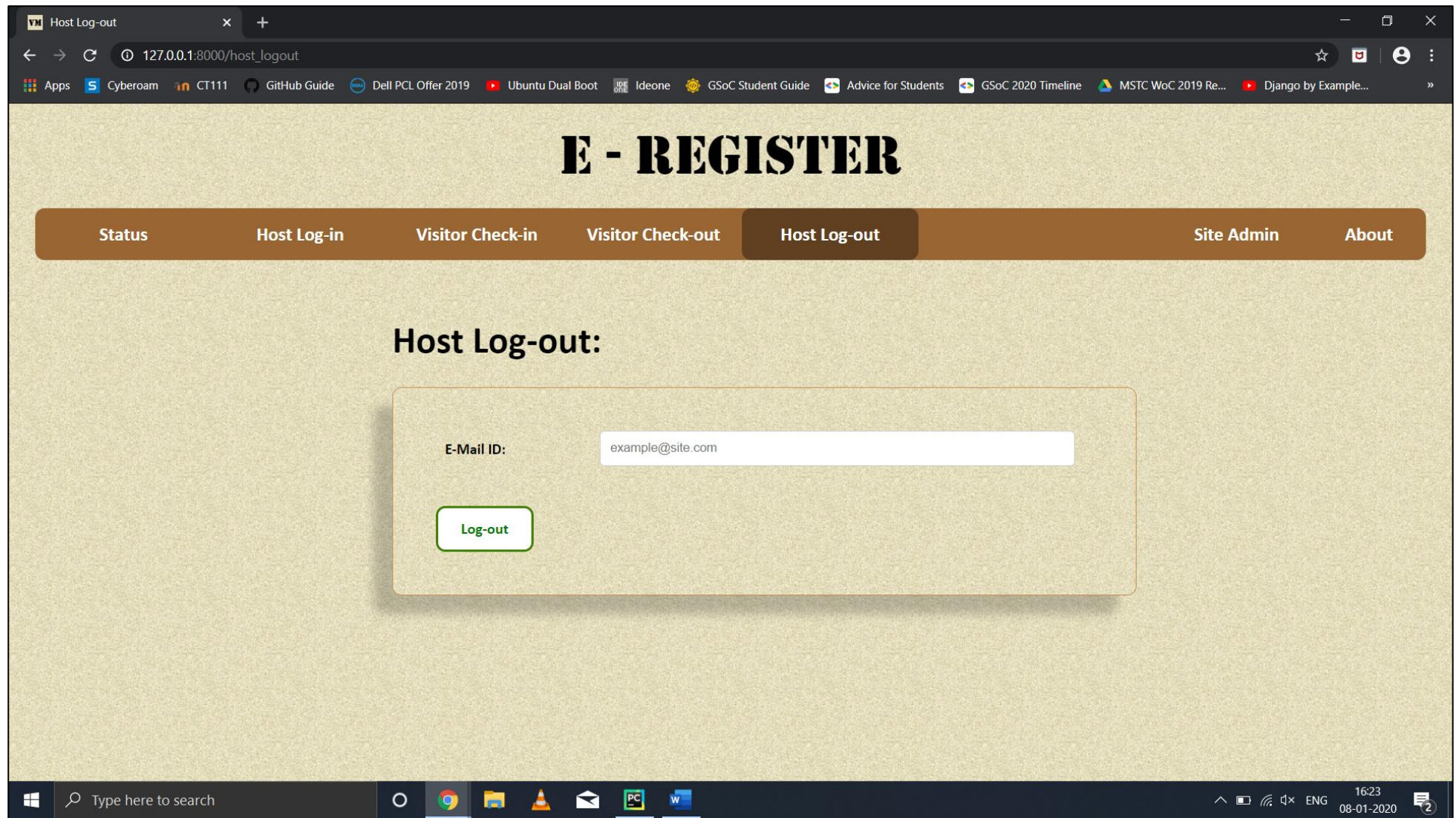
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VM About

127.0.0.1:8000/about

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E - REGISTER

Status

Host Log-in

Visitor Check-in


Visitor Check-out

Host Log-out

Site Admin

About

About the Application :



E - Register, an adaptation of **Visitor Manager**, is a web application designed specifically for enabling a host to store his/her visitors' data and retrieve it effectively, whenever required. It comprises of a dedicated database in order to achieve the same. By this app, the host also enjoys the benefits of being notified through message and E-mail for every check-in and check-out. The app contains a user-friendly, easy-to-get-along-with UI for productive utilization of the tools it offers. Validation of all the input data is carefully carried out so that the host enjoys well-processed data in his/her *E - Register*.

Key Features :

- Systematic Storage
- Rapid Retrieval
- Dedicated Database
- Nimble Notifications
- User-friendly UI
- Vigilant Validations

About the Developer :

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Windows Taskbar

16:23 08-01-2020

