

Mini Project Report

On

“Reader space”

BY

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MCA

[2020-2021]

Under the Guidance of

Dr. Anuradha Kanade

Submitted To



Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

In partial fulfillment of the requirement

for the award of Degree of Master in

Computer Application (MCA)

Submitted Through

MIT-WPU School of Computer Science, Pune.



Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Faculty of Science

School of Computer Science

SUMMER INTERNSHIP PROGRAM

CERTIFICATE

This is to certify that Mr. /Ms. /Mrs. **Ronak Gohil**

Of **MIT-WPU School of Computer Science** has successfully completed the project work titled

“Reader space”

In partial fulfilment of requirement of the award of **MCA** prescribed by the **MIT World Peace University, Pune**.

This project is the record of authentic work carried out by him / her out during the academic year **2020-2021**.

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CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. / Mrs. Ronak Gohi

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Authorized signature with stamp

DECLARATION

I, Mr./Ms./Mrs. . **Ronak Gohil** hereby declare that

This project is the record of authentic work carried out by me during the academic year **2020-2021**. This project is **plagiarism-free** and has not been submitted to any other University or Institute towards the award of any degree.

Signature of the student

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In the accomplishment of this project successfully, many people have bestowed upon me their blessings and the heart pledged support, this time I am utilizing to thank all the people who have been concerned with project.

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SCOPE OF WORK

Scope of this project is very broad in terms of other manually checking yourself. Few of them are: -

- A review does not simply summarize book material, and should not be substituted for the original book.
- The purpose of a book review is to make known what a literary work purports to do and be, as a publication for both general and specialized readers. Essential components to be taken into account include concerns of subject matter and style.
- A review is a critical essay, a report and an analysis. Whether favorable or unfavorable in its assessment, it should seem authoritative. The reviewer's competence must be convincing and satisfying.
- As with any form of writing, the writer of a book review is convincing through thorough study and understanding of the material, and opinions supported by sound reasoning; the reviewer achieves reader satisfaction upon by giving justice to the subject, the book being reviewed, and connecting it with vital human concerns.
- A review may be limited in its scope due to length requirements, whether those are set by an instructor or an editor. How thoroughly and with respect to what aspects a book is reviewed also depends on instructor or editor preferences, or simply the attitudes and qualifications of the reviewer.

Operating Environment

Hardware Requirements:

- **Processor:** Intel Core i5 and above
- **Ram:** 8GB and above
- **HDD:** 256GB and above

Software Requirements:

- **Web Browser:** Google Chrome, Mozilla Firefox
- **Os:** Windows, Linux
- **Database:** Postgres

Tools and Environment:

- **Front End:** Html 5, SASS , Bootstrap 4, JQuery
- **Back End:** Python
- **Framework:** Flask
- **Library:** SQL Alchemy
- **Web Server:** Flask Development
- **Database Server:** Heroku_Postgres

Description of Technology Used

Python

- Flask is considered more Pythonic than the Django web framework because in common situations the equivalent Flask web application is more explicit. Flask is also easy to get started with as a beginner because there is little boilerplate code for getting a simple app up and running.

Flask

- Flask is a web application framework written in Python. It is developed by **Armin Ronacher**, who leads an international group of Python enthusiasts named Pocco. Flask is based on the Werkzeug WSGI toolkit and Jinja2 template engine.

SQLAlchemy

- SQLAlchemy is a popular SQL toolkit and Object Relational Mapper. It is written in Python and gives full power and flexibility of SQL to an application developer. It is an open source and cross-platform software released under MIT license. SQLAlchemy is famous for its object-relational mapper (ORM), using which classes can be mapped to the database, thereby allowing the object model and database schema to develop in a cleanly decoupled way from the beginning.

HTML

- Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript, it forms a triad of cornerstone technologies for the World Wide Web.

- Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

SASS

- SASS (Syntactically Awesome Stylesheet) is a CSS pre-processor, which helps to reduce repetition with CSS and saves time. It is more stable and powerful CSS extension language that describes the style of a document cleanly and structurally.
- It was initially designed by Hampton Catlin and developed by Natalie Weizenbaum in 2006. Later, Weizenbaum and Chris Eppstein used its initial version to extend the Sass with SassScript.

Postgres

- PostgreSQL is a powerful, open source object-relational database system. It has more than 15 years of active development phase and a proven architecture that has earned it a strong reputation for reliability, data integrity, and correctness.