



Final Project Report

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**Modern Application Development I
About Author -**

I am in sophomore year and I am interested in working of self driving cars. I developed

my interest in Data Science when I was in my 11th grade and pursuing an online boot camp on the same..

DESCRIPTION

In this project, we need to build a WebApp which can be used as a task logger. Users can login to their account, create different sorts of trackers, and log values for that particular event. They should have the CRUD functionality for their trackers and events!

TECHNOLOGIES USED

Here's a list of all the technologies I used in this project.

Python, HTML/CSS/JS, Jinja, bootstrap, Flask, SQLite, Flask-SQLAlchemy, Matplotlib's pyplot.

- Python is the core programming language used; Flask is the main framework used for the

WebApp.

- SQLite is used for creating a database file for data storage and access. -

Flask-SQLAlchemy is the SQL toolkit used to connect with the database file.

ARCHITECTURE -

App.py file contains the controller code; Application folder contains the view code. File names are generic for their roles. "static" folder contains all the CSS files, images and; "templates" folder contains all the HTML files.

"database.sqlite3" contains the database.

FEATURES

Here's a list of features –

- CRUD operations on tracker - Create, Read, Update, Delete
- CRUD operations on log
- Sign out option – signs the user out
- Incorrect password, etc.

Everything has been implemented using basic python libraries and storing the record in the database.

VIDEO LINK

Video demonstration of my project is available here.

-<https://www.awesomescreenshot.com/video/10123655?key=b080d89097fdadb348a8ad65b69bf1f2>