

# Project Report

## Author

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**About me:** I am currently pursuing B.Sc. (Maths) from Gurukul Kangri University(Haridwar) along with this B.Sc in Programming and Data science.I am a Diploma level student.

## Description:

This project is built for tracking your daily task. One can monitor his habit and can make decision based on his past records.

## Technologies Used:

- Flask
- Matplotlib
- Flask Sqlalchemy
- Pytz
- Datetime

These extensions are used in this project .Flask Sqlalchemy is used for creating database. Matplotlib is used for creating graphs. Pytz and datetime are used to capture current time

## DB Schema design:

User	Logging	Event
id	log_id	event_id
Username	id	id
Password	t_name	when
	t_type	value
	setting	notes
	date	date

User class contains data of user's username and password and id as a primary key.

Class Logging contains log\_id as a primary key , id as a foreign key of User(id),t\_name as tracker name, t\_type as tracker type, setting as options choosen in tracker options, date as current date.

Class Event contains event\_id as a primary key, id as foreign key of Logging(log\_id),when as date of event, value as tracker value, notes as note about tracker notes, date as current time.

## Architect and Features:

Project has following parts:-

- A python file named as main.py
- All the html files are in templates folder
- Graph is in static folder
- Database is created in file named database.sqlite3

Webpage has a login page which asks username and password. If user is not registered then it will show(This user is not registered), then user has to create a new account on clicking(create account),then it will show a page in which user has to add a tracker, user can add an event on clicking add button or can update and delete on clicking update and delete respectively. User can also view all events on clicking tracker name and when if user logs out then next time when he logs in then he has to give same password. If it is not same then it will show as wrong password.

## Video:

[https://drive.google.com/file/d/1SHHe\\_0DEqIVeneADz4PW0taLH8VxAm2r/view?usp=sharing](https://drive.google.com/file/d/1SHHe_0DEqIVeneADz4PW0taLH8VxAm2r/view?usp=sharing)