Project Report

Introduction:

Our project is based on Python and uses Flask framework and SQLAlchemy libraries along with SQLite to create the DataBase. Flask WTForms have been used to create basic forms in the project. Flask Login module has also been used.

Problem Description:

The main motivation behind this project was the inconvenience faced while collecting the packages received at the reception. Digitalisation of the process was also another motive.

Solution Proposed:

A basic website which differentiates between a user and an admin and grants different powers to both. Where a user's powers are limited to just view the packages they should collect, the admin's powers however let them control the influx of packages as well.

Execution:

1. WTForms in flask and HTML was used to create the basic layout for the whole website.

2. SQLAlchemy was used to create a database that treats each user uniquely with respect to their phone number

Conclusions:

1. All the three team members learnt to co-ordinate.

2. Since everybody had to work on the same project simulatneously, everybody learnt the applications of Github and also understood why it was much needed.

3. Each team member learnt Flask microweb framework and SQLAlchemy and are now fluent with some of the basics of both front end and back end web development.

4. Since this project had a very limited period of time to work upon, each team member learnt how projects work in the real industry.

References:

1. WTForms Documentation (https://wtforms.readthedocs.io/en/stable/index.html)

2. Basic HTML(https://www.w3schools.com/html/ and https://www.codecademy.com/)

   The Flask Mega Tutorial
3. (https://blog.miguelgrinberg.com/post/the-flask-mega-tutorial-part-i-hello-world)

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