CovidCare

(Commodity Distribution and Billing System - CoVID-19)

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Introduction - This project was made during the CoVID Lockdown as an initiative to reduce crowds on road and to minimize the losses incurred by local shopkeepers and also to promote digital payment in India. Initially you'll be directed to the home page where you can see the various Myth busters as well as Helpline numbers if required. Thereafter you can navigate to the login page depending on if you are a Government official or a Certified Seller or a Local Citizen based on which multiple operations will be done.

Project Highlights - Main objectives of the project are as follows :

- Reduce crowds on the road by providing all their needs at their doors.
- Minimizing the losses incurred by Local Shopkeepers as the certified seller has to purchase goods from the local shops in the area allotted to him by the government authorities.
- Promoting digital payment as after your order is placed you'll have an option to pay your bill online after which an e-receipt will be provided to you via mail. (Future Scope)

Description - After you've logged in based on if you are a Government official or a Certified Seller or a Local Citizen following actions will be taken.

- **Logged in as Government Official :** As a government official you can view all the certified sellers, add them or remove them, see all the transactions happening or happening in real time as a commit history (took this idea from the version control of Github).
- **Logged in as a Certified Seller :** As a certified seller you can view, cancel and mark an order as ordered. You will be shown an order only if that order is from the same

area which has been allotted to you by the governmental authorities. You can add the goods/commodities as per demand which will be directly reflected to local citizens.

- **Logged in as a Local Citizen :** As a local citizen you can place an order depending on your requirement by simply filling a small form which asks basic information like your name, order, area, email, phone number and so on.

Libraries Used- This project uses the following libraries :

- Python
- Flask
- HTML & CSS
- SQLAlchemy
- Flask-WTF

Future Scope - Before releasing this project in market for the public use there are few validations to be done which are mentioned below :

- Email Validation using Google Auth provided by firebase.
- Introducing a payment gateway using Razorpay as it is easy to integrate it with Flask.
- Producing e-receipts for each order and the ability to mail them to the customer.
- Javascript Injections Check.
- Making it mobile responsive.
- Changing it's frontend completely in ReactJS as it is more feature packed.

Deployed Link - https://dunes-covid-care.herokuapp.com/

Github Link -

https://github.com/RgnDunes/CovidCare-Commodity-Distribution-and-Billing-System-CoVID-19