Implementation Document

for

Canteen Order Automation System

Version <1.0>

Prepared by

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Contents

Revisions

Version	Primary Author(s)	Description of Version	Date Completed
Version 1.0	Sharath Kumar V	Canteen Order Automation Software's implementation.	20/03/2022
	Kavya Jalan		
	Jhaansi Reddy		
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1 Implementation Details

For the implementation of the software, in the back-end we have used the Django web framework in python language. The front-end languages used are HTML5 and CSS along with the Bootstrap framework.

The advantages of using Django include Rapid development, Scalability and Security which distinguish it from the rest of the frameworks available. The Bootstrap library enables us with a framework that allows the implementation of a responsive webpage, giving an edge over other frameworks along with the use of HTML5 and CSS to match the current standard of webpages.

2 Codebase

Link to the Github repository: https://github.com/rashmigr01/Canteen-Order-Automation-System
Link of final commit:
https://github.com/rashmigr01/Canteen-Order-Automation-System/commit/fc47de734fcfa726c39f3
8560583f7b450d7c7f5

We have used Django as our web framework so our Github repository is basically a Django project. The folder canteen_system is our project, the rest of the files include Readme.md, Design Document, SRS and requirements.txt (list of requirements). The project set up is given in Readme.md. Inside the folder canteen_system we have two other folders i.e, automation_system, canteen_system and a file manage.py. automation_system is our app and canteen_system is our project. The path for some of the important files are listed below:

- HTML files: canteen_system\automation_system\templates\home\
- CSS, images and other supporting files for frontend:
  canteen_system\automation_system\static\home\
- Unit testing files: canteen_system\automation_system\tests\

3   Completeness

The SRS requirements fulfilled by the software are enlisted below:
- Registration
- Login System
- Choice of canteen
- Menu
- Ordering System
- Monthly Bills (Pay later System)
- Review System (Feedback)
- Admin's portal System

The future development of the webpage includes (Will be done by 27th March):
- Canteen owners Webpage
- Payment system

Appendix A - Group Log

Date	Duration	Meeting Topic(s)	Outcome
01/03/2022	1 hr	Team partition and selection of framework	Team was partitioned to work on the frontend and backend. Django was selected as the web framework to work on.
13/03//2022	2 hr	The backend team started with authentication and the frontend team started with website design.	Django project was set up on GitHub.
16/03/2022	1 hr	Progress made by the backend team and frontend team.	Login, Register and Forgot Password page was done by the frontend team. The backend team had a bug in the authentication.
18/03/2022	2 hr	Progress made by the backend team and frontend team. Team for unit separation.	The backend team had resolved the bug, authentication was done, models were created. The frontend team created home, menu and profile pages. A team was created for unit testing
19/03/2022	2 hr	Progress made by the backend team and frontend team.	The backend team had linked all the pages previously done by the frontend team. The frontend team created cart, orders and contact us pages.

20/03/2022	2 hr	To complete the webpage.	The backend and frontend team combined to work on the integration of the frontend and the backend part of the website. The unit testing was done the unit testing team