



Food Donation App

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ROLL NO:30

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Description:

- Food Donation App is Web Application that provides a platform for donating food to all needy people. Wasting food is a common problem in our society. Food waste management is crucial since it can improve our environmental and economic sustainability. I have identified the use of web technology to reduce food waste management, I develop an Django python application for allows public users to donate and share their foods and leftovers with people in need. This Django app will enable users to register, login, view items, add items, add items to cart, remove an item from the cart, and log out. This app is using the SQLite storage and real-time database. Any user in need can see all the food images donated by different users and add it to his or her cart. This for the better management of Food wastage reduction to improve efficiency. Django admin is most powerful parts of Django is its automatic admin interface. It reads metadata in your models to provide a powerful and production-ready interface that content producers can immediately use to start managing content on your site. Django is a web application framework written in Python programming language. It is based on MVT (Model View Template) design pattern. Django is implemented in Python, which has excellent security track record.

MODULES:

User-(Food Donor/ Acceptor)

- Register
- Login
- Create Your Food for donate
- Upload Food image
- View added foods
- Request for food
- Book food items and give location
- Fund collection

Admin:

- View registration
- Edit ,Delete , Update all Data

Methodology

- This is a web application project used for reducing food wastage in day to day life.
- This use python Django framework for this project. Django is a web application framework written in Python programming language. It is based on MVT (Model View Template) design pattern
- Firstly , login and register the page for user information
- User who create food list for donate
- Upload food images
- View available foods and book the food needed.
- User need food will give an request for food.
- Accept the request order.
- Notification are available for food items are near expirydate,so the user can book the available food items
- Fund collection is the another step in this project.

DEVELOPING ENVIRONMENT:

Hardware specification:

- System : Dual Core
- Hard Disk : 40 GB.
- Floppy Drive : 1.44 Mb
- RAM : 256 Mb.

Software specification:

- Operating System : Windows OS
- Front-End : HTML, CSS, and JS
- Back-End : Python, SQLite3
- IDE : visual studio
- Framework : Django 3.2.8

Table Design

Login:

Field	Type
Username	Varchar(30) NOTNULL
Password	Varchar(30) NOTNULL

Registration:

Field	TYPE
Username	Varchar(30)
password	Varchar(30)
First name	Varchar(30)
Last name	Varchar(30)
Email	Varchar(30)
address	Int (30)

Product:

Field	Type
Food type	Int(15)
Quantity	integer
Dateof manufacture	Date null
Description	Int(30)
Expiry_date	date

Request:

Field	Type
Foodtype	Varchar(30)
Quantity	integer
Description	Varchar(30)
Address	Varchar(15)
Mobile	number

Donation:

Field	Type
username	Varchar(15)
amount	number

PRODUCT BACKLOG:

	User Story ID	Priority<High/ Medium/ Low	Size(h ours)	Sprin t	Status/ Planned/ In progress /completed	Status/ Planned/ In progress /completed	Release goal
	1	low		1	completed	Register/ Login	For user information and login Within the system
	2	medium		2	completed	Create Your Food for donate	To view the food items for donate
	3	medium			completed	Upload Food image	For upload images of food items
	4	medium		3	completed	View all food items	View food items for donate
	5	medium			completed	Book the food	Book the needy food items
	6	hard			completed	Give location	Provide location for donate food
	7	medium		4	completed	Request for food	users they can put a request for food if they needed
	8	medium			Completed	View request food	View requested food items

USER STORY:

User story id	As a type of user	I want to perform some task	So that I can achieve some goal
1	user	Register/ Login	For user information and login Within the system
2	user	Create Your Food for donate	To view the food items for donate
3	user	Upload Food image	For upload images of food items
4	user	View all food items	View food items for donate
5	user	Book the food	Book the needy food items
6	user	Give location	Provide location for donate food
7	user	Request for food	users they can put a request for food if they needed
8	user	View request food	View requested food items
9	user	Accept the food request	Donate requested food
10	user	Fund collections	Collect fund for food

PROJECT PLAN:

User story id	Task name	Start date	End date	hours	status
1	Sprint 1	20/04/2022	28/04/2022	5	completed
2	sprint2	29/04/22	5/05/22	10	completed
3		7/05/22	14/05/22		completed
4	sprint3	16/05/22	24/05/22	15	completed
5		25/05/22	30/05/22		completed
6		1/06/22	12/06/22		completed
7	sprint4	13/06/22	18/06/22	20	completed
8		19/06/22	21/06/22		completed
9		22/06/22	25/06/22		completed
10		26/06/22	29/06/22		completed

SPRINT ACTUAL:

[illegible]