

Test Plan

Team:

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Functional Testing:

S.No.	Use Case	Positive Case	Negative Case
1	Login	User signed up, Correct Password, Email and Password matched	Non existent user, Incorrect Password,
2	Adding Items	Ingredients quantity required for this item are sufficient	Ingredients available quantity is not sufficient to add this item
3	Adding Admins	Logged in user must be a superuser or general manager	Logged in user is not in superuser or general manager
4	Online Orders	Items are available and payment is successful, Person must be a user(base or premium)	Items not available at the moment or payment has been failed or person is not a user
5	Adding Coupons	Logged in person must be a general manager or billing manager	Logged in user is of type except general manager and billing manager
6	View Staff Details	Logged in person must be general manager	Logged in user is not a general manager
7	Adding Delivery Persons	Logged in person must be a general manager or delivery manager	Logged in user is not a general manager or delivery manager
8	Offline Booking	Logged in person must be a user(base or premium), Items are available to order, Tables are available without any online	Logged in user belongs to staff, Items are not available, All tables are booked by online users

		booking done previously	
9	Viewing available items in dashboard	User (base or premium) must log in.	Person belongs to staff or user didn't logs in
10	Posting item feedback	User must have ordered the particular item which he/she is willing to give feedback. User (base or premium) must be logged in	Person belongs to staff, User has not ordered the item previously
11	Table reservation	Person (base or premium) must be logged in. Selected table must be free in selected slot. Payment should be successful in booking table.	Person belongs to staff. Selected table is already booked in the slot. Payment is failed
12	Signing up	Person can be of staff or user. The email or phone_no used should not have an account previously. Password should be strong. Email and phone_no are verified	Person is trying to signup more than one time. Email or phone_no is not verified. Password is weak

Load Testing:

For load testing, We are going to use a load testing tool (probably open source) to send multiple requests to the website concurrently. We will note down the response times for various requests. It should be having a threshold where above threshold it will give the more response times than ideal ones. This gives the number of simultaneous users the website can handle smoothly.

For one request, if the website loads with no errors, it will give the minimum response time. Increase in response time for a particular url shows there is some error halting the page or the database is taking up the more time. Every request to the database have to be closed immediately after handling to avoid exceeding max requests with postgresql. We will focus on the outputs generated on testing using above methods to conclude the website performance

For data, we have written a python script to generate the custom data with the input of number of rows in each table. Using this, we are going to generate a huge data on which testing will be done to get the website performance.

CPU usage, Disk usage and RAM usage can be drawn into graphs while handling multiple requests to get the threshold of the website for smoother handling

