

Capstone Project | Greyatom

Overview

Caterli is an online fine-dine food delivery portal where customers can find meals cooked at home. The idea is to serve meals prepared by a family member so that customers can eat a healthy home-cooked meal.

Success Criteria:

Once this project is complete:

- User will be able to search and filter restaurants of his choice
- User will be able to select food items and add /edit to his order
- User will be able to sign up/sign in, add delivery details and complete the order
- **User will have a beautiful and user-friendly application to react with**

User Stories

User Story #1

Users should be able to search for a restaurant by location or name.

Details

This would be the landing page of your application. The user journey would start from here.

On this page, you need to provide 2 inputs:

1. One input would be used to search for restaurants within the vicinity of the user. You would have to integrate [Google Places](#) to show suggested places when the user starts typing the name of the place.
2. The second input would help the user find the restaurant based on the searched name.

A user doesn't have to login or sign up at this phase. A wireframe to give you an idea of what's expected has been added.

A good example of reference is [Swiggy!](#)

Log in

Sign up

Search restaurants by location...

- OR -

Search restaurants by name...

2 APIs:

- One for showing the restaurants when the user performs a search. So, if I type “Behrou” then I should see a list of the restaurant whose title consists of the phrase “Behrou”. For example, Behrouz Biryani
- The second API would be to show a result based on the location. If it’s time-consuming to build this API, then just confirm that the developer has sent latitude and longitude from places API and send him a mock list of restaurants.

Please make sure you send the relevant filters too with these API.

User Story #2

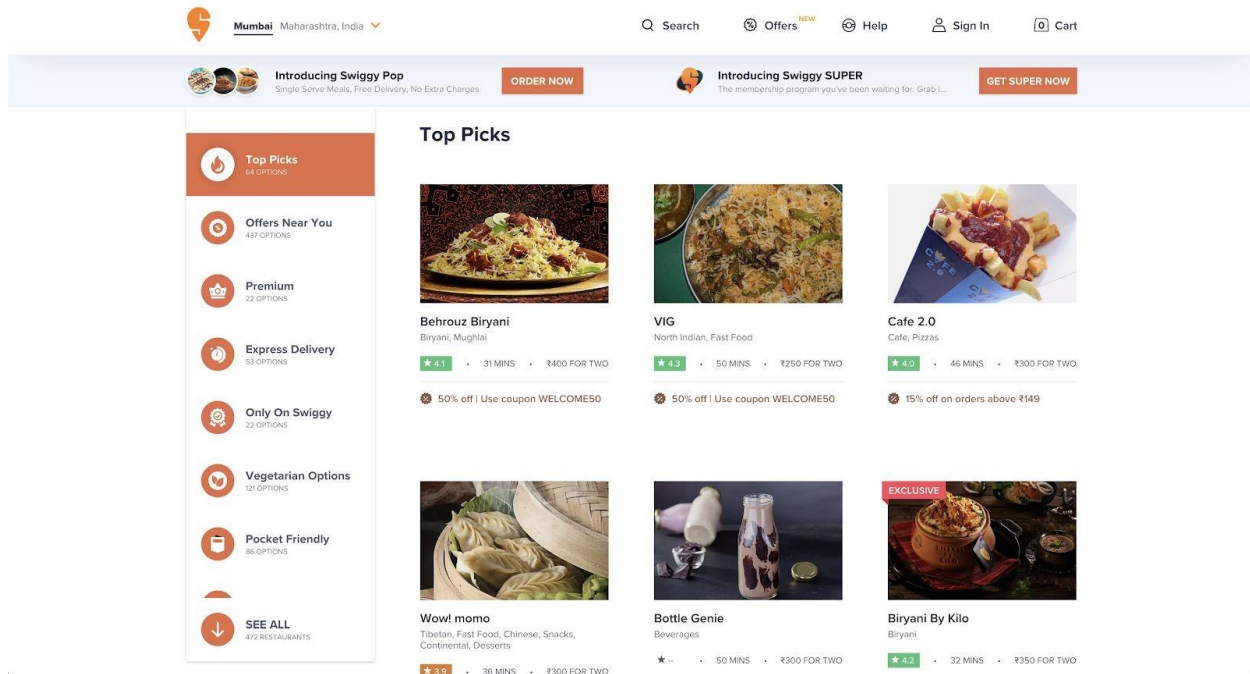
Users should be able to see the list of restaurants based on their inputs and response from the previous page.

Details

The page would be divided into 2 sections:

1. One section shows the list of restaurants. The list item should show the image of the restaurant, name, top five cuisines offered by the restaurant, rating, delivery time, how much would it cost for a couple of people (Rs. 300 for two) and discounts if any.
2. The other section should be reserved for filters. Below is the list of filters that should be shown:
 - a. Preference
 - i. Veg
 - ii. Non-veg
 - b. Cuisines
 - i. North Indian
 - ii. Chinese
 - iii. Fast Food
 - iv. Desserts
 - v. Beverages
 - vi. Bakery
 - vii. South Indian
 - viii. Street Food
 - ix. Mughlai
 - x. Biryani
 - c. Sort by
 - i. **Popularity - high to low**
 - ii. Rating - high to low
 - iii. Cost - high to low
 - iv. Cost - low to high

The page should look something similar to the below-given image:



For making the page responsive, we recommend that you slide the filter section from left on the mobile phone as both the sections would not fit. Provide a floating button or something that visually tells the user that there is a filter section.

All filters should be functional.

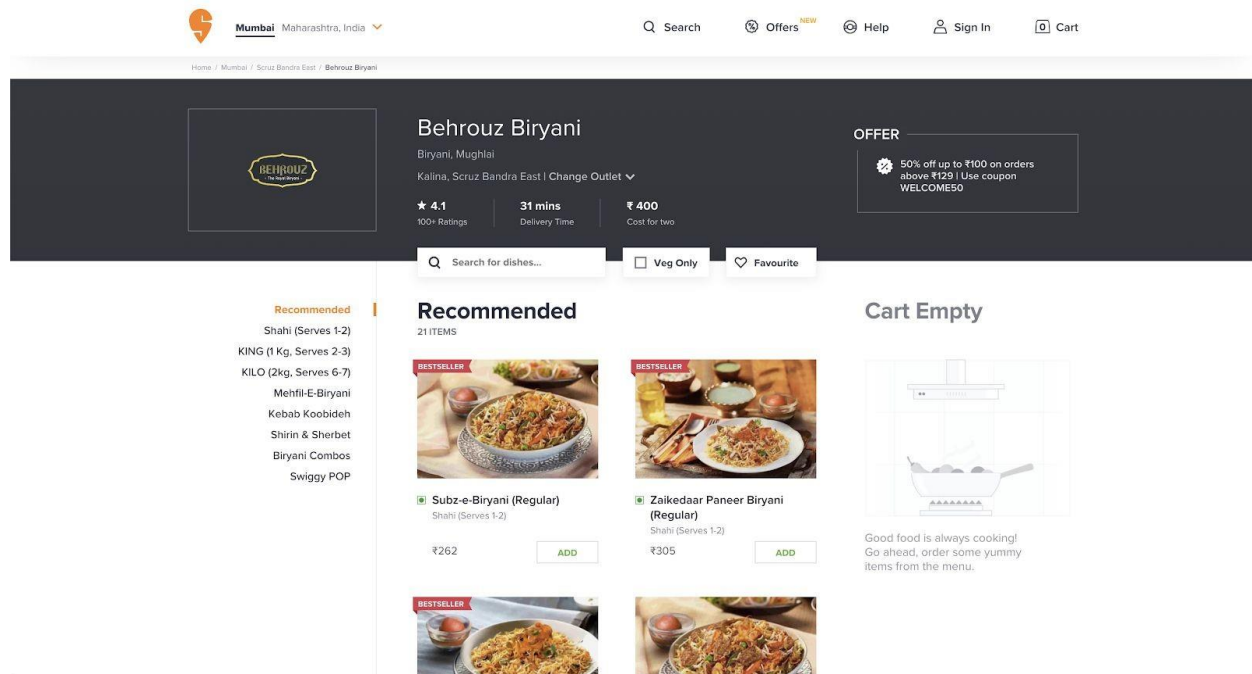
Clicking on the list item should take him to the cuisine selection page of the restaurant.

User Story #3

Users should be able to see the list of cuisines offered by the restaurant and add the quantity after clicking on one of the restaurants from the list seen on the previous page.

Details

This page should exactly look and work like Swiggy's restaurant details and cuisine selection page. Adding a screenshot of the page:



To find this page:

- Go to swiggy.com
- Select a restaurant
- You should be able to see a screen that looks like the screenshot

All the features you see on their page are expected on this screen too. To list them:

- Restaurant Detail section on top
- Search for dishes, veg only checkbox and adding the restaurant as favorite which will then be visible under their profile.
- Categories on the left. For the mobile screen (responsive), you can create a floating button for categories. On clicking the button, you can show an absolutely positioned container to list the categories.
- Cuisines in the center

- The cart should be placed on the right as seen in the screenshot. For the mobile screen (responsive), again you can follow something on the line as discussed above for categories

Cuisine quantity selection should have a limit to avoid spam.

The user will not be able to checkout without signing up or signing in. At this point sign in/up is compulsory.

As a developer, you need to make sure that the user can never checkout without signing up/in as you would need the mobile number, delivery address and payment details to be saved.

We'll discuss sign in/up next.

The developer would need an API to retrieve the list of categories with cuisines with a set limit on the quantity to avoid spam.

User Story #4

Users should be able to sign in/sign up and apply for resetting the password using a modal that can open on any page. The user should sign in before checkout.

Details

For the user to sign up or sign in, there should be a button placed on the header. Clicking on this button should open a signup/ sign-in modal. If you aren't aware of modals, please visit this link:

<https://getbootstrap.com/docs/4.3/components/modal/#live-demo>

Sign-in

- Sign in using phone number and password. Validation is compulsory on the frontend.
- *Forgot password link?* which opens in the same modal if the user forgets the password.
- "Remember me" option to remember the user on consecutive visits.
- Save the token received from the server after a successful login.

Sign-up

- Following fields are necessary with appropriate validation:
 - Full Name
 - Phone number
 - Email ID
 - Password
 - Confirm Password
- On successful login, save the token

Forgot Password

- Accept email as input for sending the reset password link.
- The GreyAtom server will send the link. The user should be able to open the link and reset the password. On successfully resetting the password, send him back to the home page. Do not log the user in.

The token is necessary to identify if the user successfully logged in and for the server to check before checkout whether the user has logged in or not.

The developer would need an API for signing in, signing up and for sending forgot password link. Generate token to check during check out whether the user is signed in or not.


User Story #5


Users should be able to add payment methods.


Details


Below, we have attached an image of what's expected:


Choose payment method


 Credit/Debit Cards


 UPI NEW





 Credit


 Wallets

 Netbanking


 Food Cards

 Pay on Delivery


WE ACCEPT    

 4854-XXXXXXX-2199
DEBIT CARD | VALID TILL 7/24

PAY ₹216

 5369-XXXXXXX-2428
CREDIT CARD | VALID TILL 02/21

PAY ₹216

 **Add New Card**
Save and Pay via Cards.

ADD NEW

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Since it's a mock project, we do not expect the payment gateway to work in real-time. From the above list, not all the payment tabs have to be active either but we want you to build this UI. The only active tab would be Credit/Debit cards and Pay on delivery. The rest can remain disabled. You can use font awesome for icons.

Provide an option to add and save credit cards for consecutive checkouts.

On clicking pay on delivery, just provide a button with the amount (e.g Pay Rs. 218) with some creative message on top for checking out.

User Story #6

Users should be able to place an order.

Details

Summarize the order on this page. You can show:

- The final delivery addresses
- The mode of payment
- Order details
- Bill details
- Final Payment
- Apply coupon

Place a checkout button to place the order.

Dummy server creation tools:

- <https://github.com/typicode/json-server>
- <https://www.json-generator.com/>

API References:

- <https://www.yelp.com/developers/documentation/v3>
- <https://developers.zomato.com/documentation>
- <https://blog.api.rakuten.net/top-restaurant-apis/> (Check the free ones)

Tech Stack

1. HTML
2. CSS
3. JavaScript
4. React (create-react-app)
5. React router
6. Redux
7. MaterialUI or Bootstrap (any one)
8. Axios (HTTP Client)
9. Google Places API

ALL THE BEST