

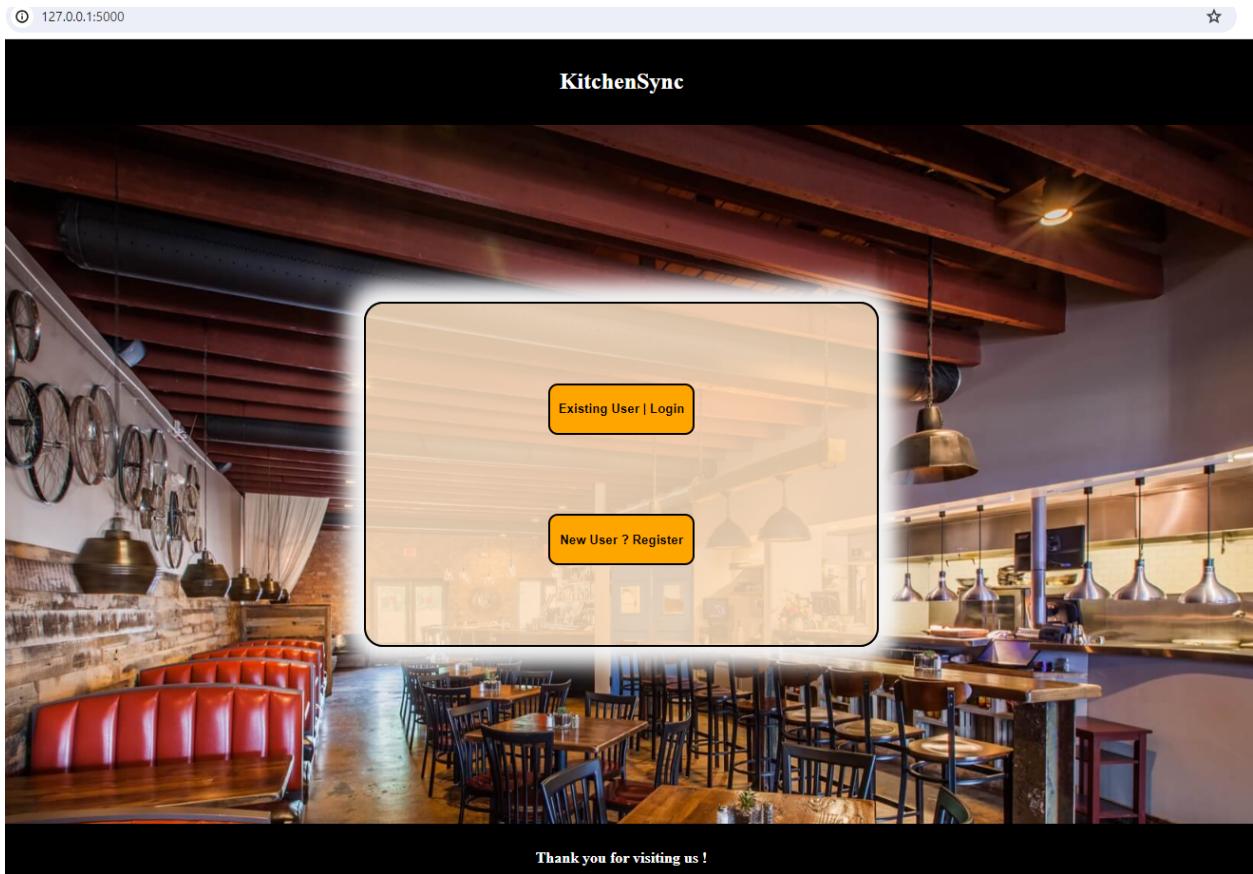
KitchenSync - User Manual

Thank you for choosing to use KitchenSync Application.

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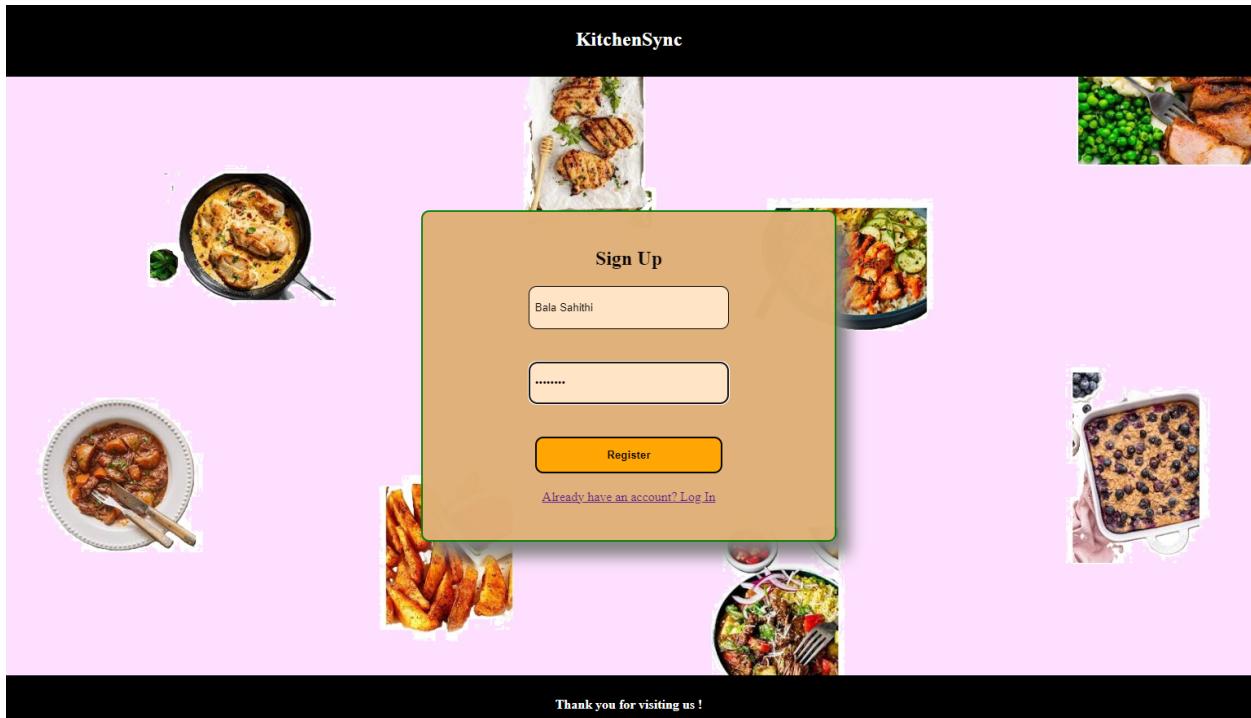
1. General Overview:



KitchenSync is an Interactive web application for identifying food names based on the images, providing nutritional facts (For Example: calculating calories of the food you are eating) for diet advice and predicting the recipes based on the predicted food names. It streamlines pantry management and meal planning seamlessly.

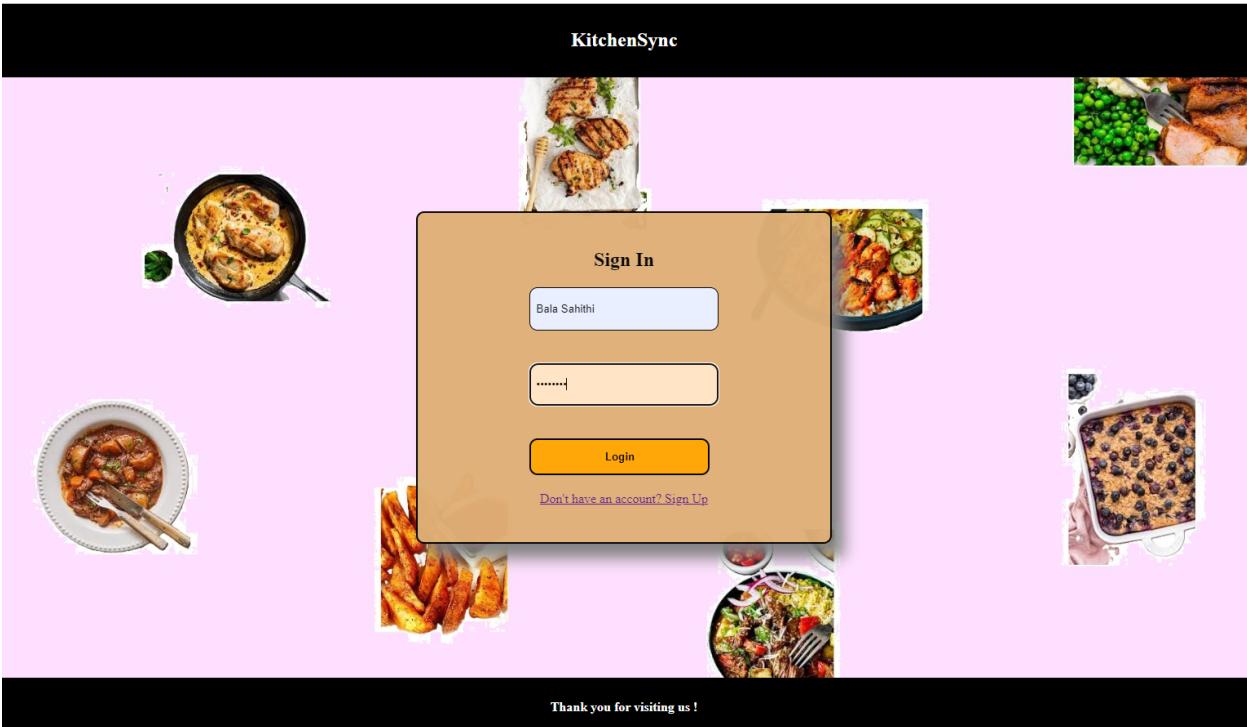
2. Login/Signup

2.1 Signing up to the Application.



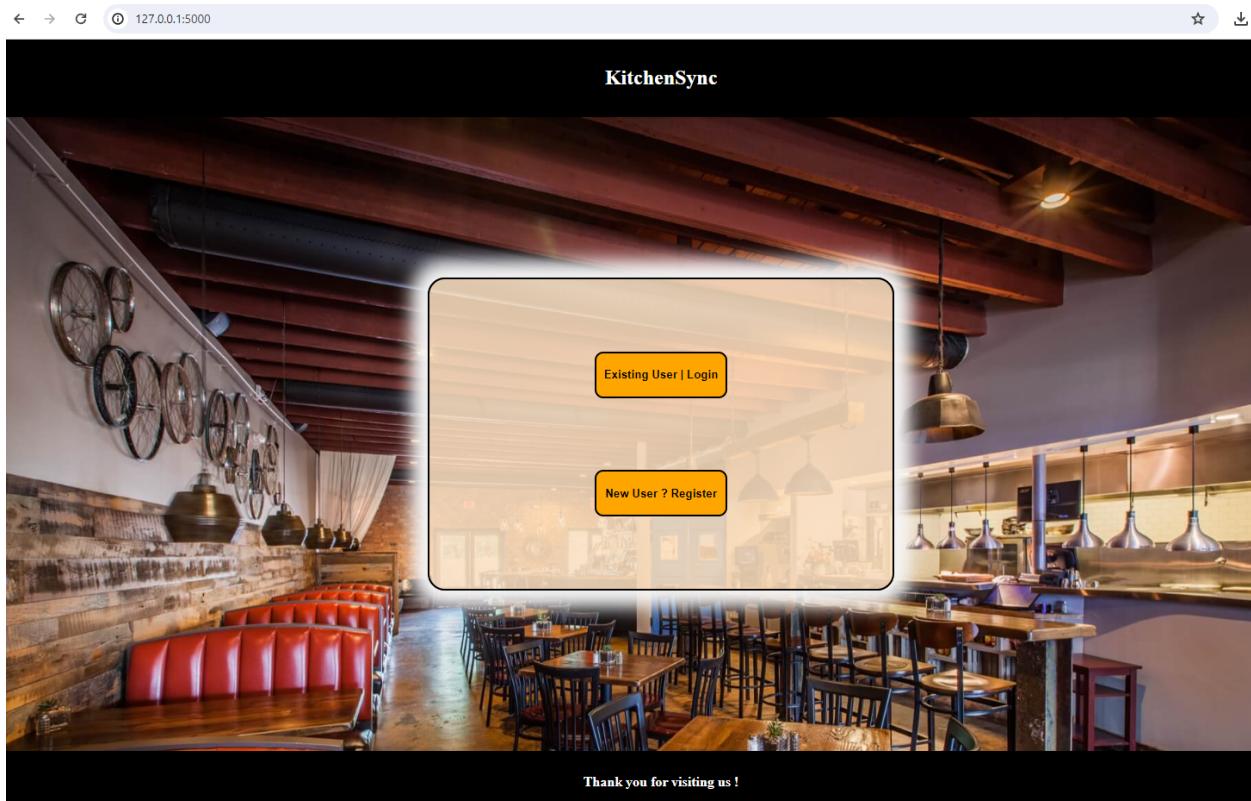
New user needs to sign up for first time by giving his/her username and password. After clicking on Register button, it will redirect to the sign-in page or Login page.

2.1 Logging into Application



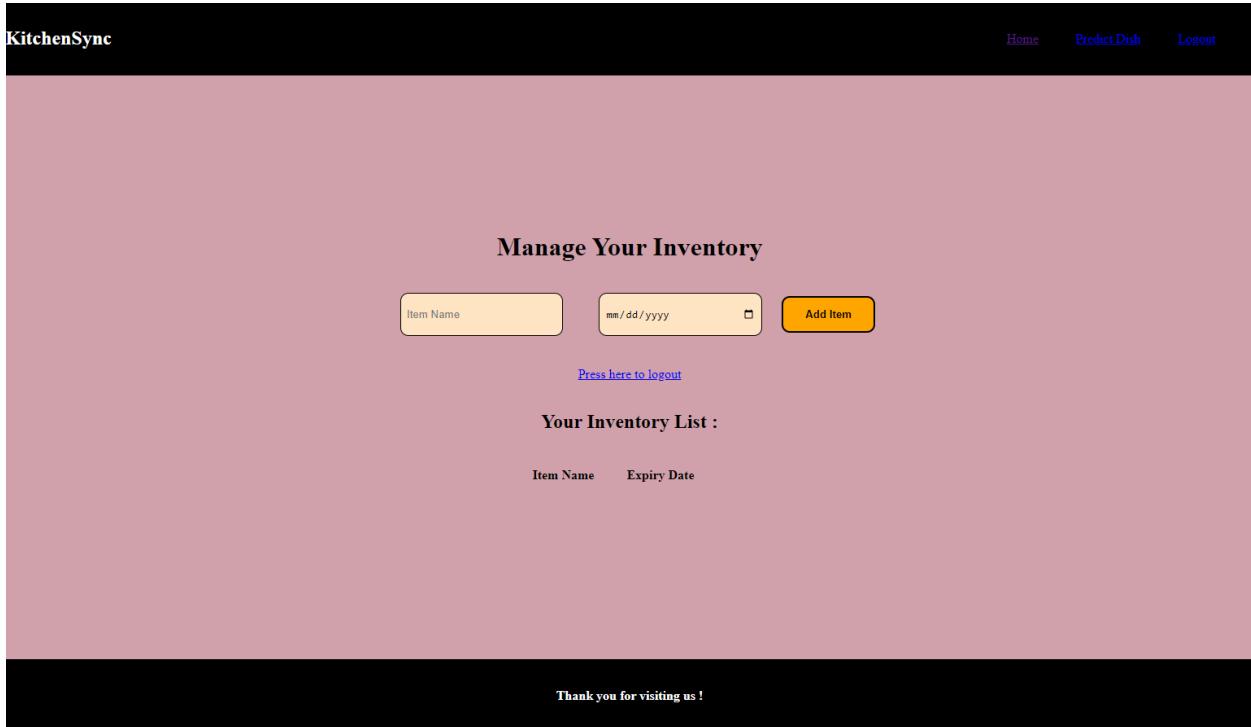
When user clicks on Sign In page, he/she needs to give their respective username and password, then hit on Login button. It will be redirected to our application's home page.

3. Home Page



This is what our web application home page looks like. After successful login, user is redirected to our inventory page “Manage Your Inventory”.

4. Using the Application



The above screen is our Inventory page where user can add their item name and expiry date and then click on Add Item button. In the top right corner, user can see “Home”, “Predict Dish” and “Logout” Buttons. The added items are stored in Inventory List.

4.1 Managing Your Inventory

The screenshot shows a web application titled "Manage Your Inventory". At the top, a black header bar displays the message "127.0.0.1:5000 says" and "Item added successfully" in white text. To the right of this message is a blue "OK" button with a white border. Below the header, the main title "Manage Your Inventory" is centered in a large, bold, dark font. Underneath the title are three input fields: a yellow one containing "banana", a white one with a date input field showing "04 / 30 / 2024" and a calendar icon, and a yellow "Add Item" button with a black border. Further down, a blue link "Press here to logout" is visible. The central part of the page is titled "Your Inventory List :" in bold. A table follows, with columns "Item Name" and "Expiry Date". It lists three items: "tomato" with expiry "2024-05-02", "capsicum" with expiry "2024-05-02", and "orange" with expiry "2024-04-30". Each item row has a "Delete" button to its right, enclosed in a red rounded rectangle.

Item Name	Expiry Date	
tomato	2024-05-02	<button>Delete</button>
capsicum	2024-05-02	<button>Delete</button>
orange	2024-04-30	<button>Delete</button>

Inventory List looks like this, user can see their items and the item's expiry dates.

4.2 Your Inventory list

Manage Your Inventory

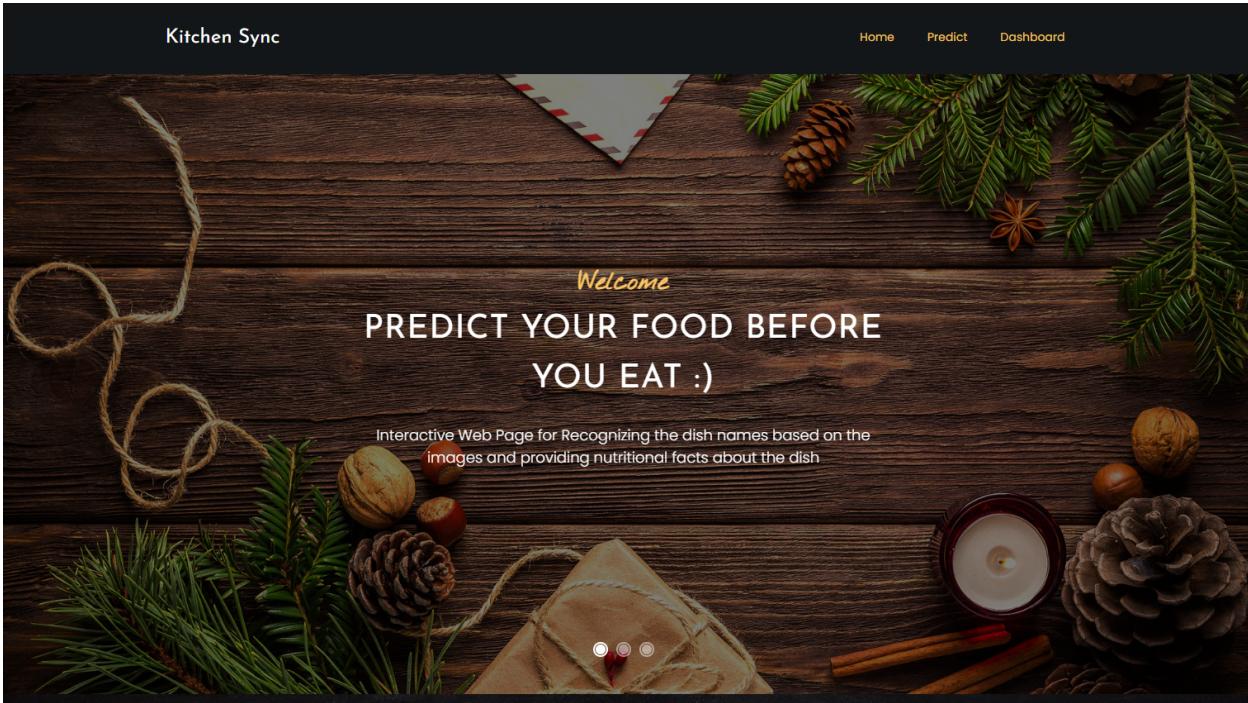
[Press here to logout](#)

Your Inventory List :

Item Name	Expiry Date	
tomato	2024-05-02	Delete
capsicum	2024-05-02	Delete
orange	2024-04-30	Delete
banana	2024-04-30	Delete
onions	2024-05-08	Delete
apple	2024-05-04	Delete

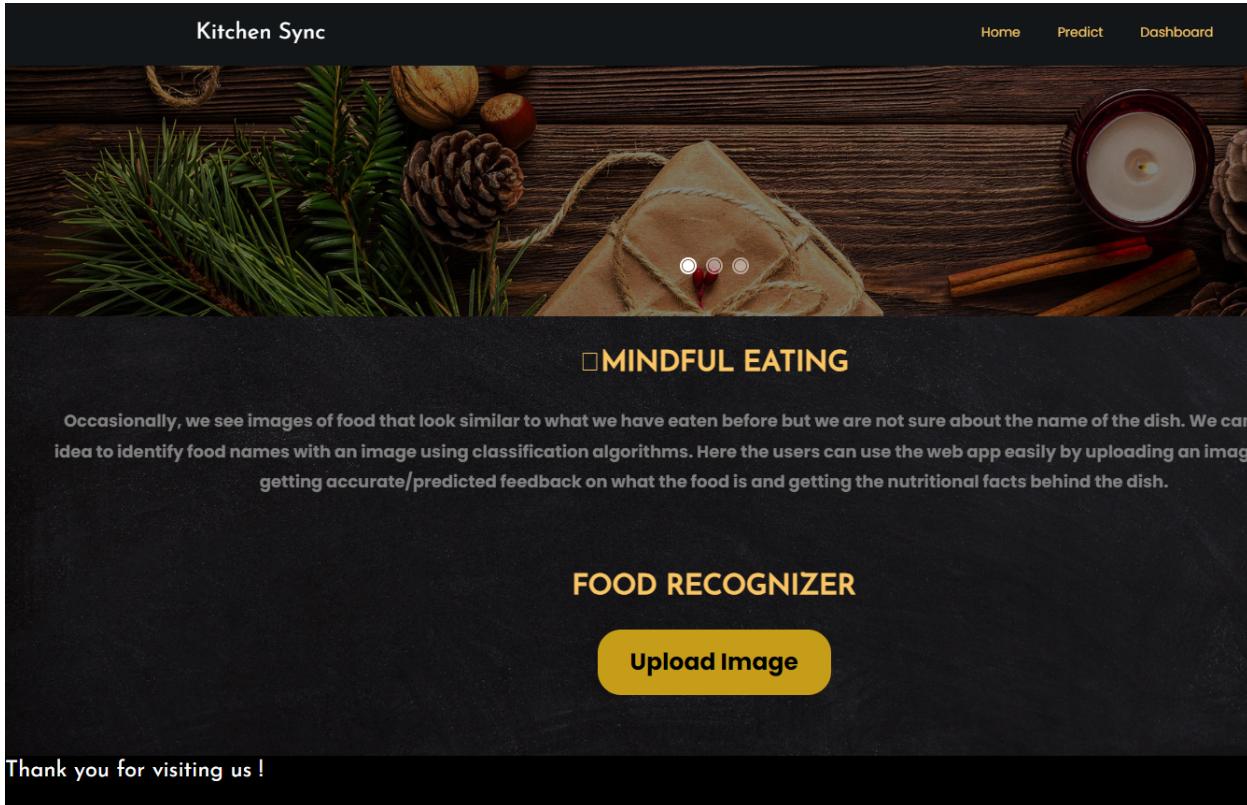
Inventory List has 2 columns, Item Name, and Expiry Date, Added items are stored in those columns.

5. Predict Dish



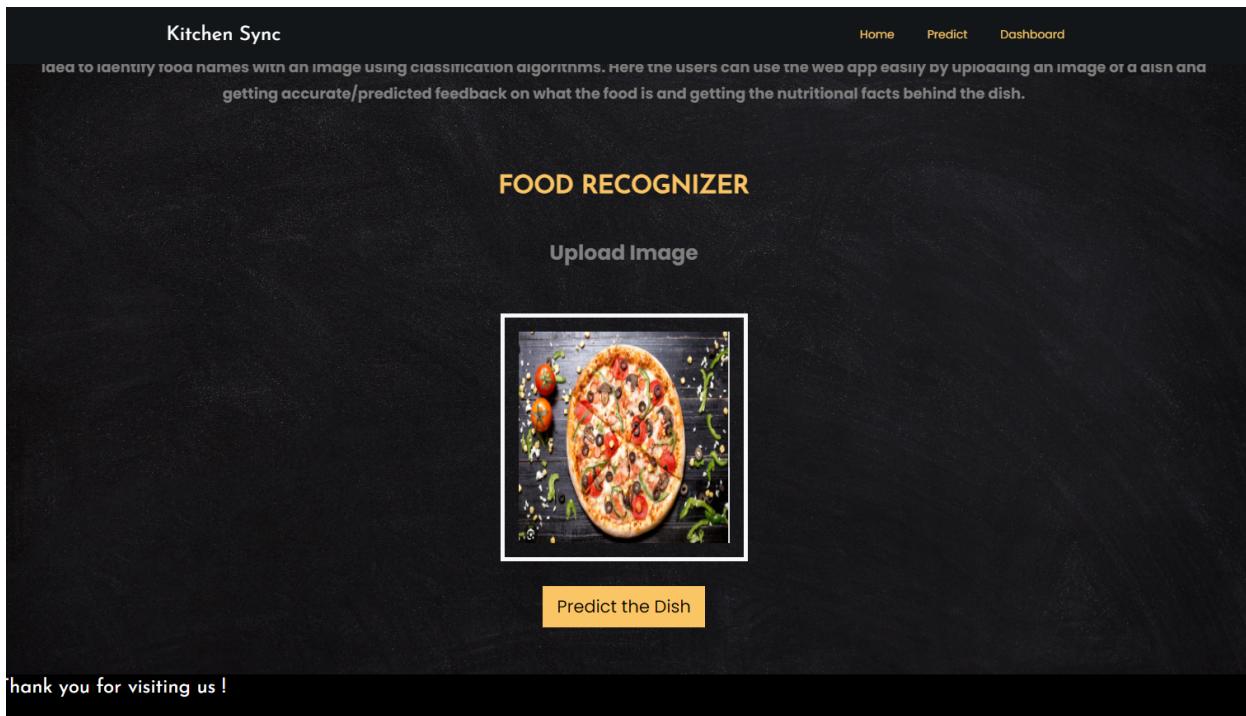
Our KitchenSync application provides one more feature i.e, Predict Dish. When the user clicks on Predict Dish, it will be redirected to this page. It predicts/detects the item, which user uploaded.

5.1 Selecting the image



For predicting a dish, user needs to upload an image from their local machine. The above page shows the same.

5.2 Choosing the image from gallery



Here we can take this image for Predict the Dish, we can upload it through our local machine.

Kitchen Sync

Home Predict Dashboard



Predicted Dish
Pizza
Probability
0.9998977

Pizza (/'pi:tsə/ PEET-sə, .mw-parser-output .IPA-label-small{font-size:85%}.mw-parser-output .references .IPA-label-small,.mw-parser-output .infobox .IPA-label-small,.mw-parser-output .navbox .IPA-label-small{font-size:100%}Italian: ['pit̚tsa]; Neapolitan: ['pit̚tsə]) is a traditional Italian dish typically consisting of a flat base of leavened wheat-based dough topped with tomato, cheese, and other ingredients, baked at a high temperature, traditionally in a wood-fired oven.[1]

Our KitchenSync web application predicted the food image we uploaded correctly. It gave the analysis of the food item also. The results are shown in the above image.

5.3 Getting the Nutritional value.

The screenshot shows a dark-themed mobile application interface. At the top, there is a navigation bar with the text "Kitchen Sync" on the left and "Home" "Predict" "Dashboard" on the right. Below the navigation bar, the main content area has a title "NUTRITIONAL FACTS" in bold capital letters. Underneath the title, there are four lines of text providing nutritional information: "Nutritional Value - Min (kcal) : [210]", "Nutritional Value - Max (kcal) : [265]", "Avg Calories : [238]", and "Unit : [1 piece]".

Also, it gives the Nutritional facts of the uploaded image like above. So that users can monitor their Nutritional facts accordingly.

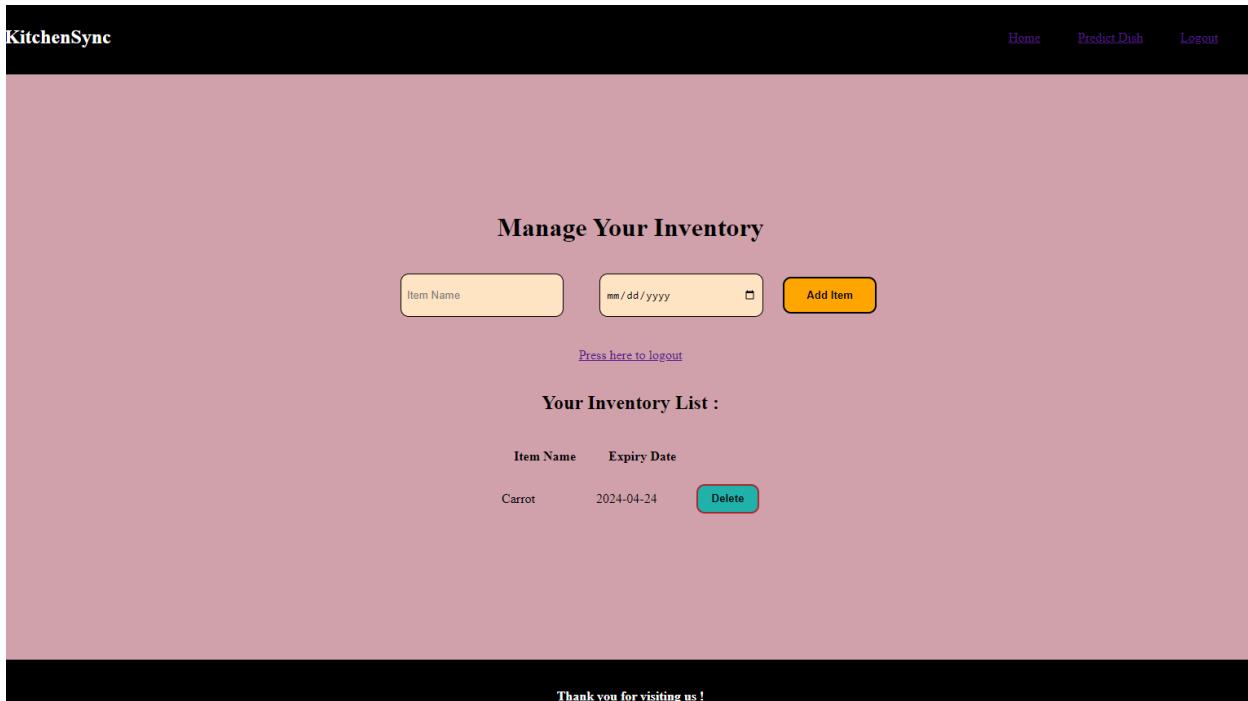
The screenshot shows a dark-themed mobile application interface. At the top, there is a navigation bar with the text "Kitchen Sync" on the left and "Home" "Predict" "Dashboard" on the right. Below the navigation bar, the main content area has a title "RECIPE - COOKBOOK" in bold capital letters. Underneath the title, there is a sub-section titled "Pizza". A thumbnail image of a pizza divided into eight slices is displayed, with the caption "A pizza divided into eight slices". Below the image, there is a table with the following data:

Type	Flatbread
Course	Lunch or dinner
Place of origin	Italy
Region or state	Naples, Campania
Serving temperature	Hot or warm
Main ingredients	Dough, sauce (usually tomato sauce), cheese (typically mozzarella, dairy or vegan)
Variations	Calzone, panzerotto

At the bottom of the section, there are two links: "Cookbook: Pizza" and "Media: Pizza".

Also user gets the Receipe CookBook for the food item. This feature is beneficial for new users who wants to start their cooking.

6. Logout



If user wants to exit our application, then click on “**Press here to Logout**”, he/she will be exit out of our application.