

Department of Computer Science & Engineering

Mini Project-1 II - I - FoodVision

II-Year Batch : C2

Project Guide: Dr. K. Ramachandra Rao

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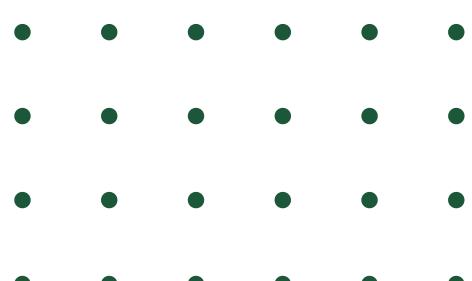
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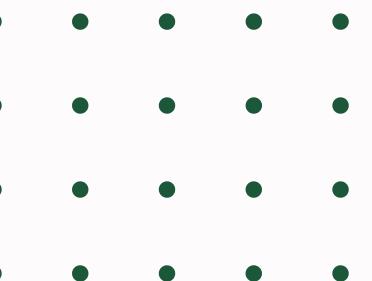
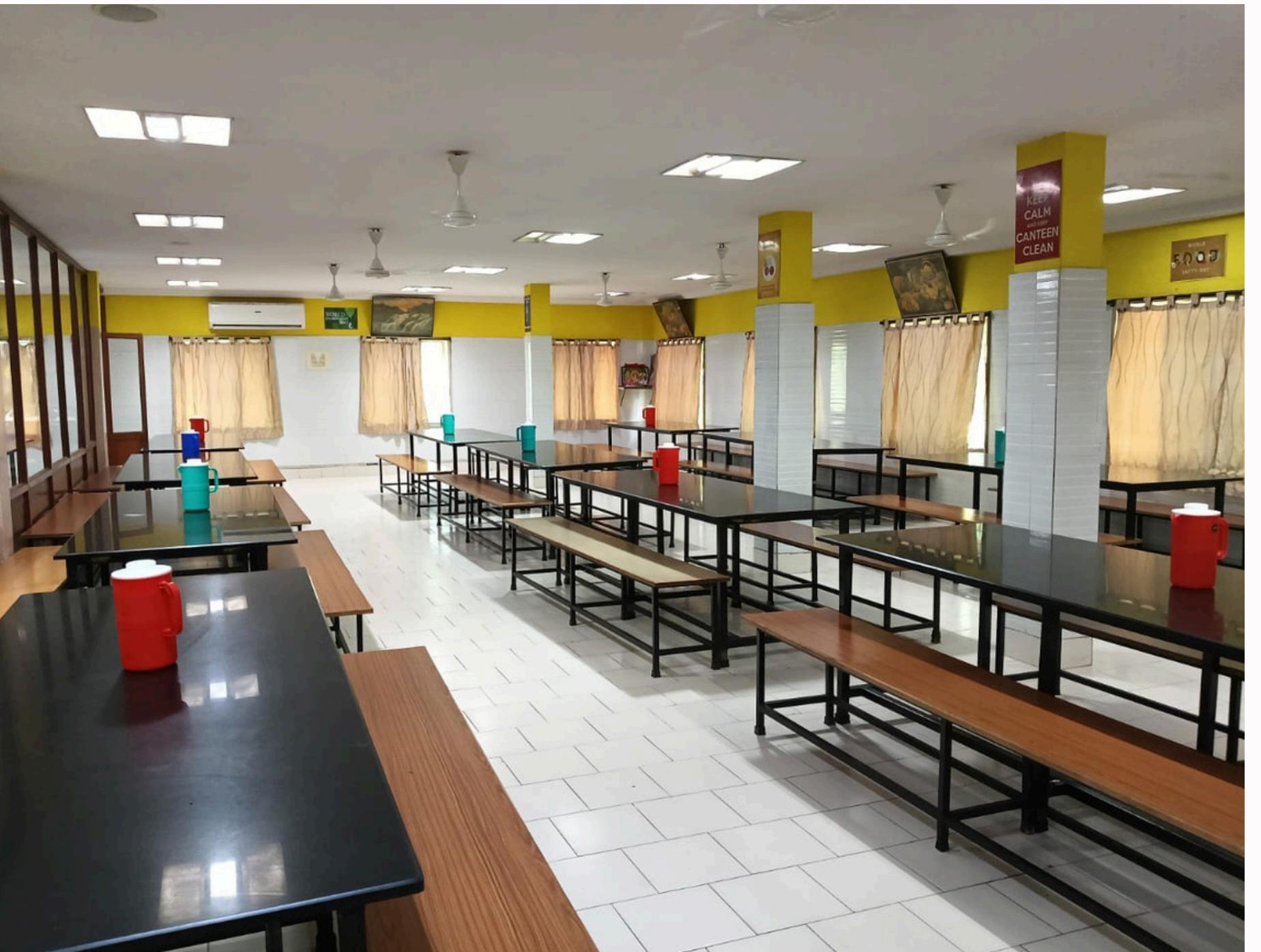
FOODVISION

Eat Share Improve



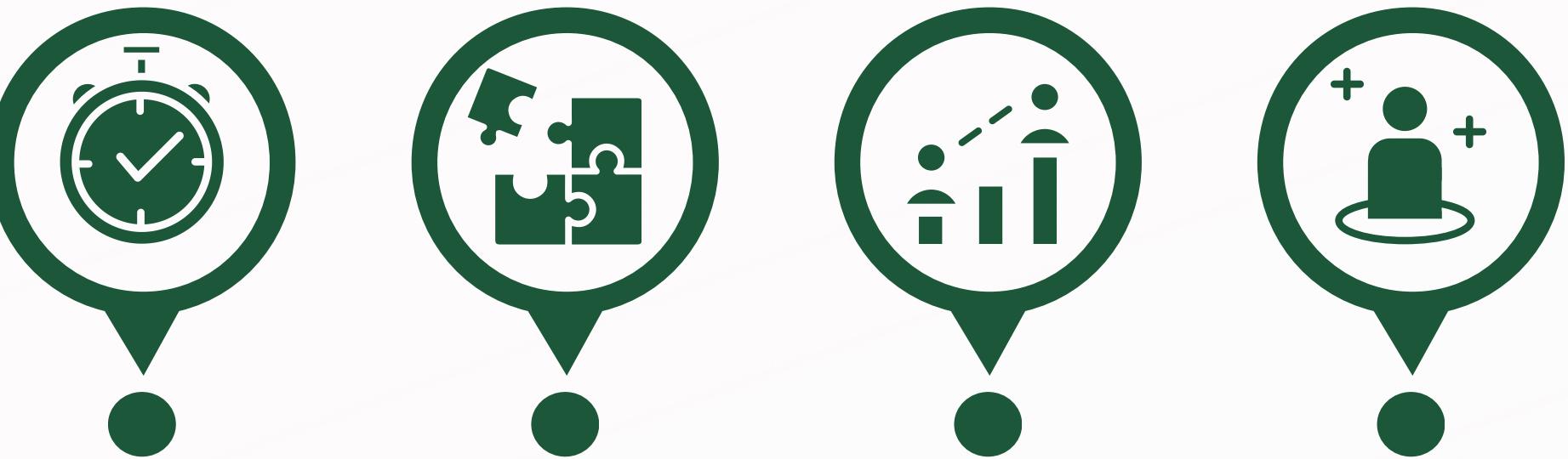
Introduction

Our college canteen faces challenges in menu management and feedback collection. We propose "Food Vision," a web-based platform that displays the menu, collects feedback, and provides analytics. It offers 24/7 access to canteen information on mobile and desktop, allowing students to easily check vegetarian and non-vegetarian options, reducing unnecessary trips when items are unavailable or the canteen is closed.



ABSTRACT

This project aims to develop a digital platform for managing hostel mess operations, allowing students to view daily menus and provide feedback for data-driven menu improvements. The goal is to enhance food quality and student satisfaction through real-time feedback analysis.



LITERATURE SURVEY

01

Digital Food Management System

User-Centric Feedback Mechanisms

02

03

Data Analytics in Food Services

Improving Food Quality through Feedback Integration

04

TECHNICAL APPROACH

Frontend

HTML

CSS

Chart.js

HTML



CSS



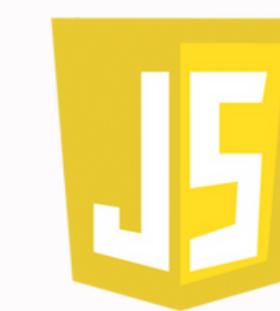
Chart.js

Backend

Javascript

Firebase

JavaScript



Firebase



ADMIN INTERFACE



MENU

Admin can update
menu daily



FEEDBACK

Admin can view the
feedback given by
users

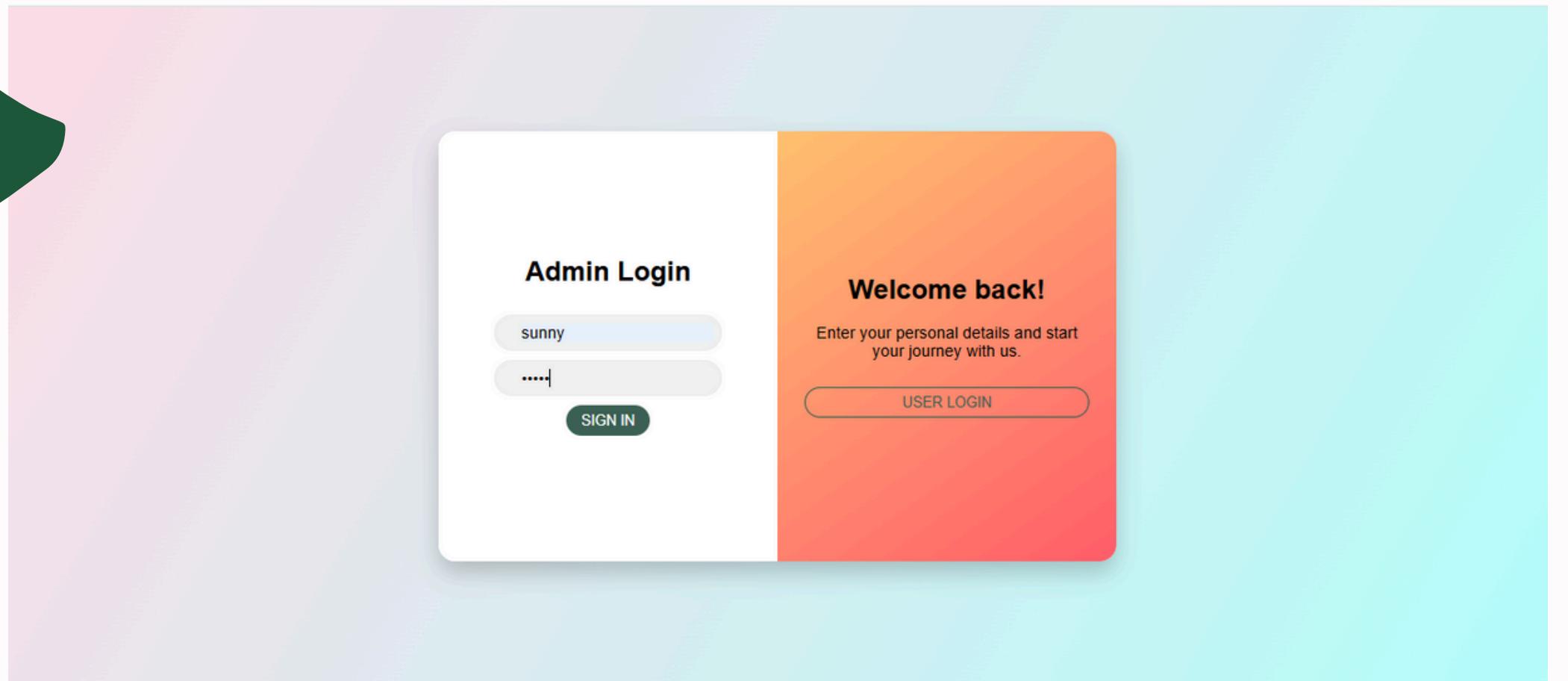
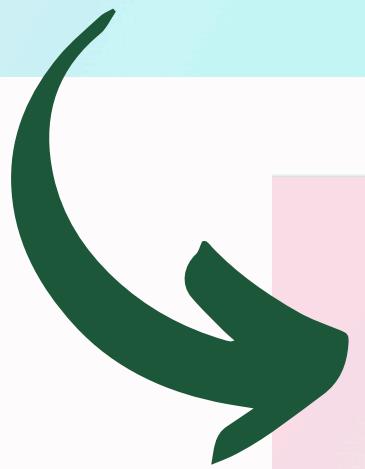
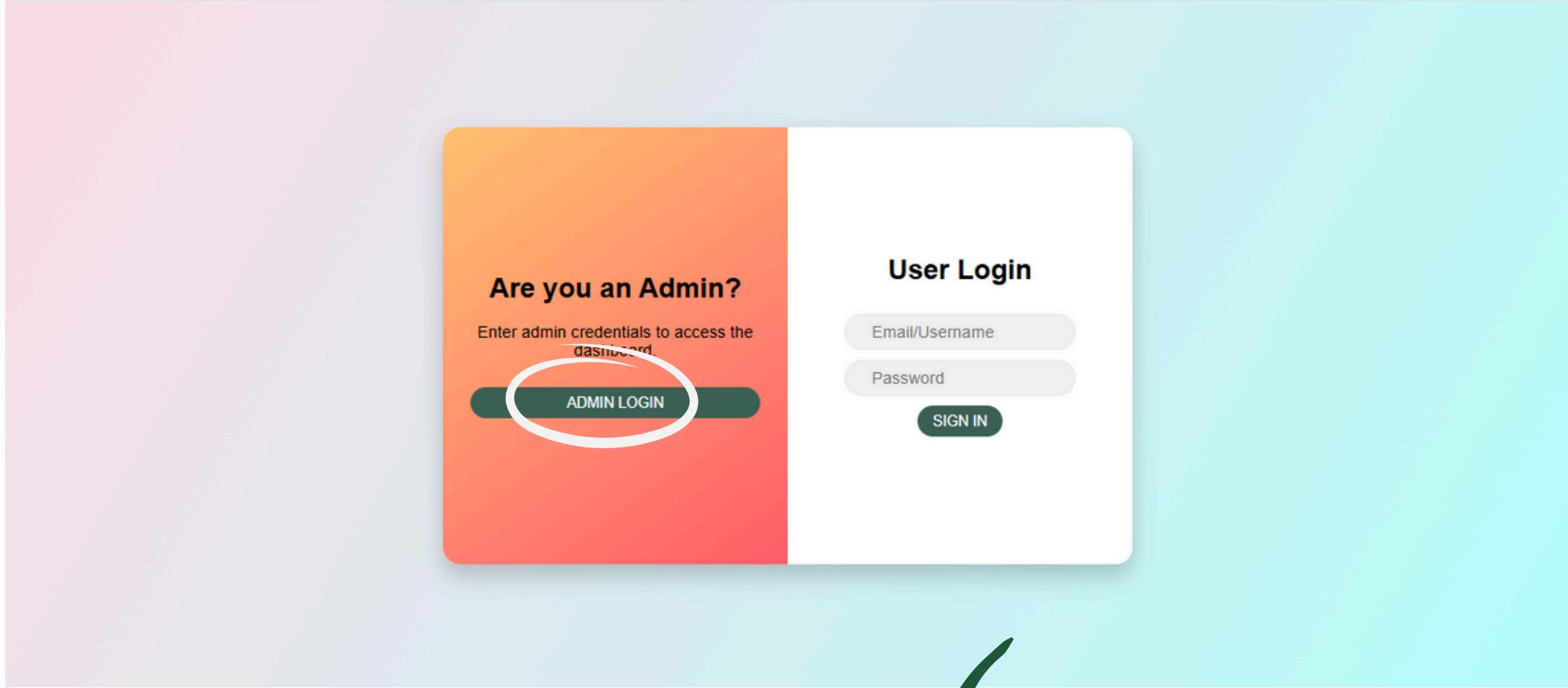


ANALYSIS

Admin will evaluate the
feedback given by
users

MENU UPDATE

Admin can update
menu based on
feedback of user



FoodVision

sunny Logout

file:///C:/Users/pc/OneDrive/Desktop/login/admin.html

The home page features a dark green header with the 'FoodVision' logo and user information ('sunny' and 'Logout'). Below the header are three orange cards with rounded corners: 'Menu' (showing a menu board), 'Feedback' (showing a laptop with a smiley face icon), and 'Analysis' (showing a tablet with a pie chart). A large green arrow points from this screen to the next one.

FoodVision

sunny Logout

Admin Panel - Add Menu Items

Select Category: Lunch

Menu Item: Enter item name

Add Item Reset Menu

Current Menu Items:

Back to Home

file:///C:/Users/pc/OneDrive/Desktop/login/admin.html

This page is titled 'Admin Panel - Add Menu Items'. It includes a dropdown menu for 'Select Category' (set to 'Lunch'), a text input field for 'Menu Item' with placeholder 'Enter item name', and two buttons: 'Add Item' and 'Reset Menu'. Below these, a section titled 'Current Menu Items:' has a 'Back to Home' button. The URL at the bottom is 'file:///C:/Users/pc/OneDrive/Desktop/login/admin.html'.

FoodVision

sunny Logout

file:///C:/Users/pc/OneDrive/Desktop/login/adminfeedback.html

The home page features a dark green header with the 'FoodVision' logo and user information ('sunny' and 'Logout'). Below the header are three orange cards with rounded corners: 'Menu' (showing a menu board), 'Feedback' (showing a laptop with a smiley face icon), and 'Analysis' (showing a tablet with a pie chart). A large green arrow points from this screen to the next one.

FoodVision

sunny Logout

Admin Feedback - Menu Rating

Overall Ratings

Category	Average Rating
Breakfast	4.2
Lunch	4.5
Snacks	4.0
Dinner	4.3

Back to Home

file:///C:/Users/pc/OneDrive/Desktop/login/adminfeedback.html

This page is titled 'Admin Feedback - Menu Rating' and displays 'Overall Ratings' for different meal categories. A table shows the average rating for each category: Breakfast (4.2), Lunch (4.5), Snacks (4.0), and Dinner (4.3). A 'Back to Home' button is at the bottom. The URL at the bottom is 'file:///C:/Users/pc/OneDrive/Desktop/login/adminfeedback.html'.

FoodVision

sunny Logout

file:///C:/Users/pc/OneDrive/Desktop/login/adminanalysis.html

The home page features a dark green header with the 'FoodVision' logo and user information ('sunny' and 'Logout'). Below the header are three orange cards with rounded corners: 'Menu' (showing a menu board), 'Feedback' (showing a laptop with a smiley face icon), and 'Analysis' (showing a tablet with a pie chart). A large green arrow points from this screen to the next one.

FoodVision

sunny Logout

Food Analysis Based on Feedback

Here, you will find separate graphs for each meal type: Breakfast, Lunch, Dinner, and Snacks.

Breakfast Ratings

A bar chart titled 'Breakfast Ratings' with a legend indicating red bars for 'Breakfast Ratings'. The x-axis categories are 'Excellent', 'Good', 'Average', and 'Poor'. The y-axis ranges from 0 to 40. The chart shows approximately 25 for Excellent, 38 for Good, 18 for Average, and 12 for Poor.

Lunch Ratings

A bar chart titled 'Lunch Ratings' with a legend indicating teal bars for 'Lunch Ratings'. The x-axis categories are 'Excellent', 'Good', 'Average', and 'Poor'. The y-axis ranges from 0 to 50. The chart shows approximately 22 for Excellent, 35 for Good, 15 for Average, and 10 for Poor.

file:///C:/Users/pc/OneDrive/Desktop/login/adminanalysis.html

This page is titled 'Food Analysis Based on Feedback' and contains two charts: 'Breakfast Ratings' and 'Lunch Ratings'. The 'Breakfast Ratings' chart shows a distribution of 25 (Excellent), 38 (Good), 18 (Average), and 12 (Poor). The 'Lunch Ratings' chart shows a distribution of 22 (Excellent), 35 (Good), 15 (Average), and 10 (Poor). The URL at the bottom is 'file:///C:/Users/pc/OneDrive/Desktop/login/adminanalysis.html'.

USER INTERFACE

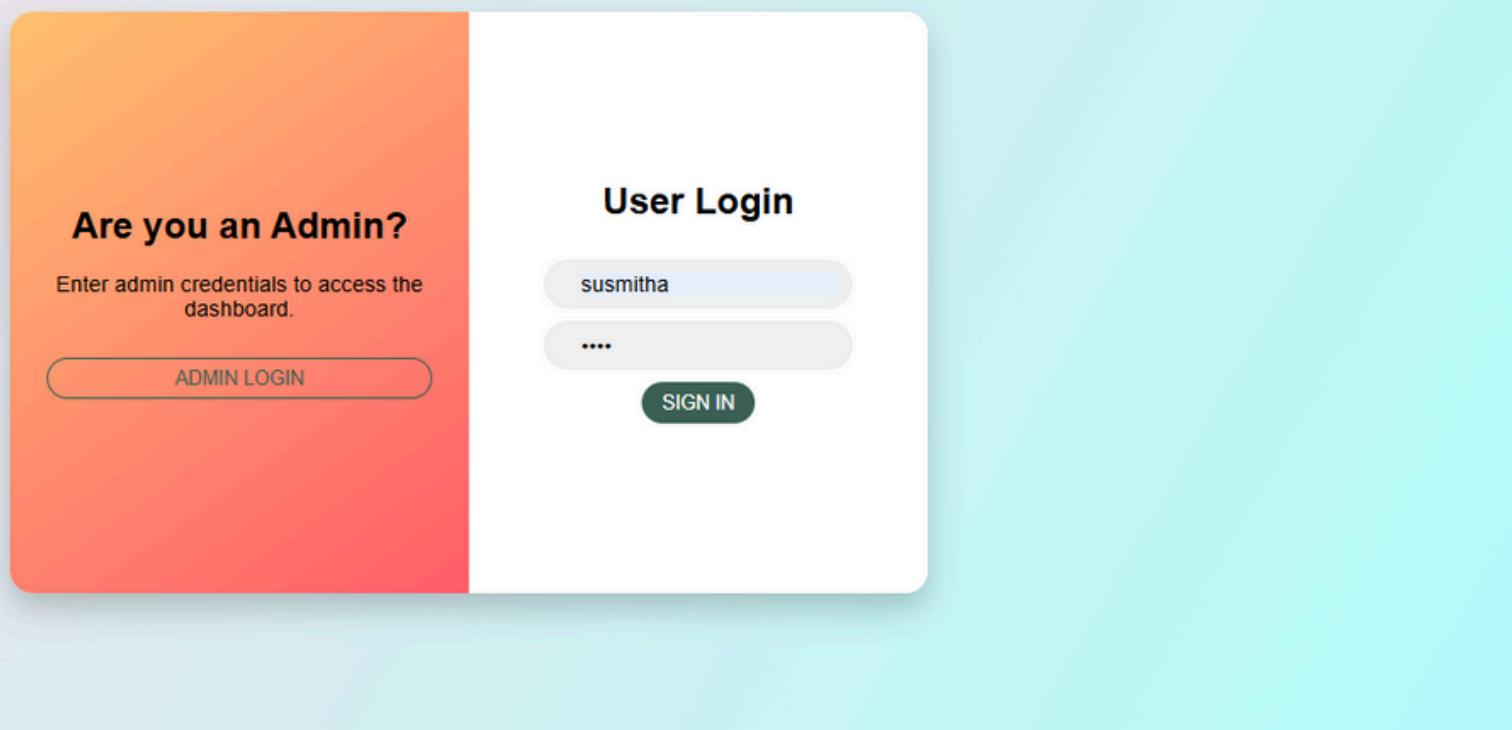
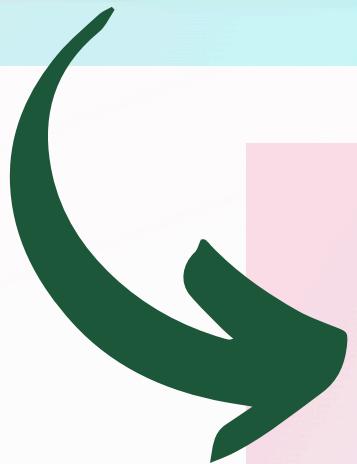
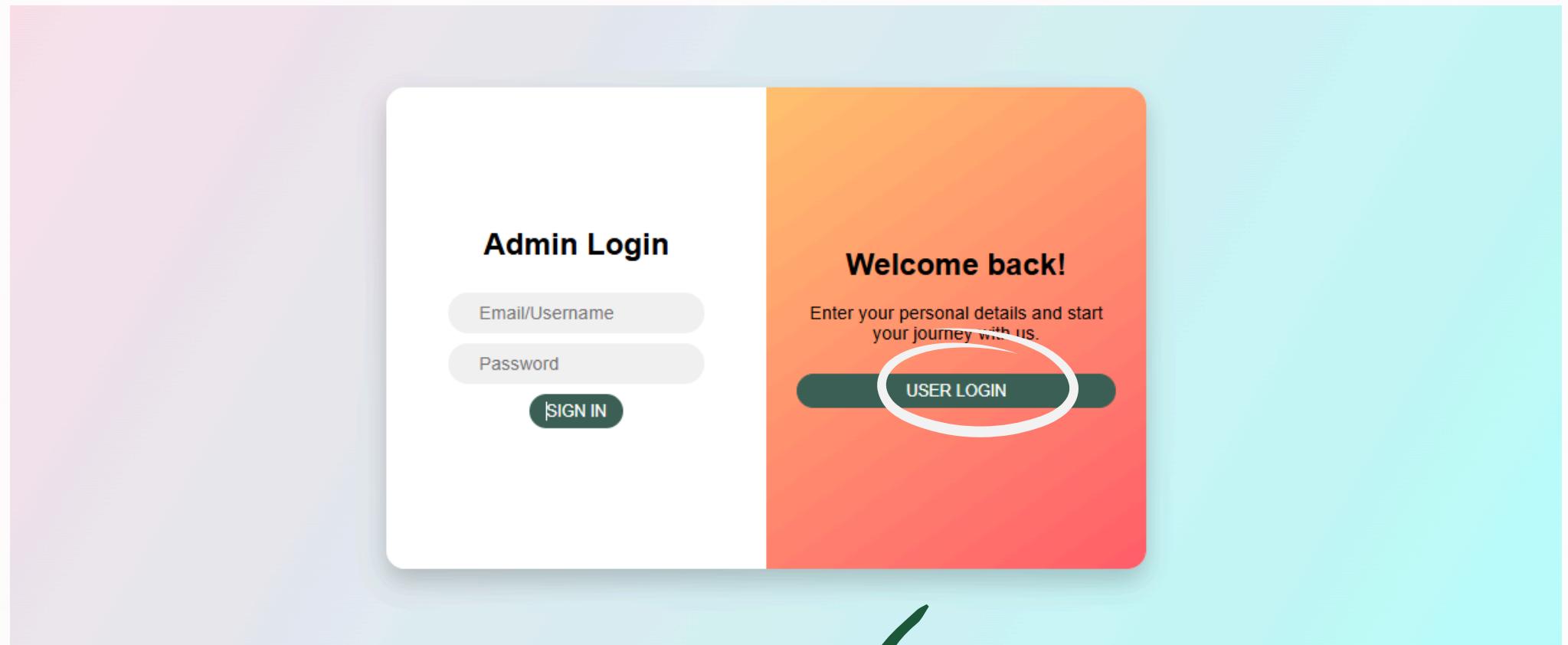


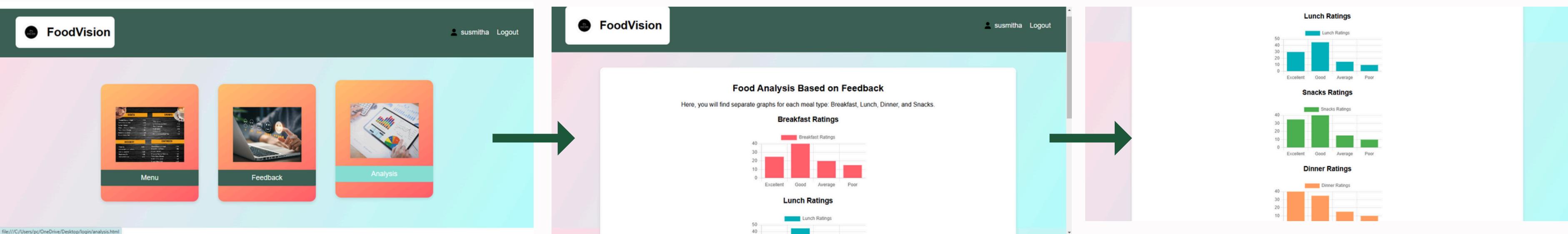
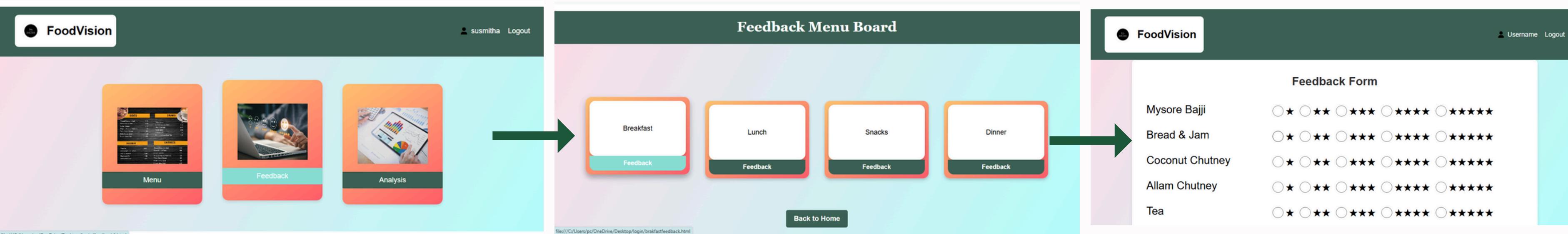
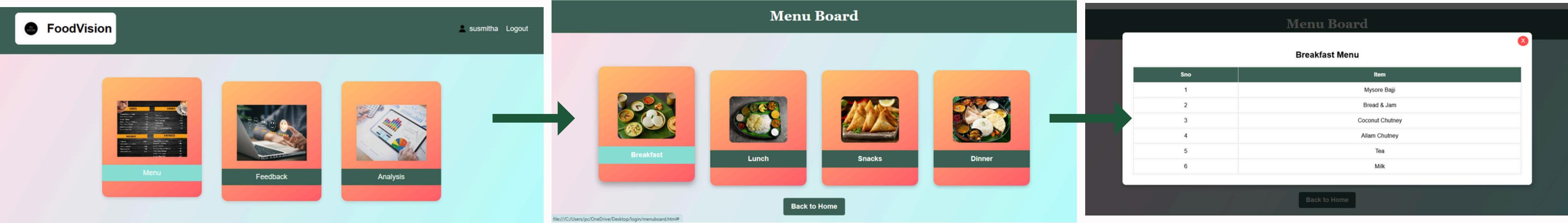
MENU UPDATE
User can view the daily menu.



ANALYSIS
User can view analysis based on feedback

FEEDBACK
User can enter the feedback





UNIQUE FEATURES

Interactive Menu Board

The menu board displays the daily mess food menu in a clear format, categorized by breakfast, lunch, snacks, and dinner for easy reference.



Feedback System

Students can share feedback on mess food quality, taste, and variety, providing valuable insights for mess management improvement.



Real-Time Updates

Admins can update the menu instantly to reflect changes, ensuring students always receive accurate information.



Accessibility

The system ensures inclusivity with features like scalable text, high-contrast themes, and voice navigation for all students.



References

MealViewer

MealViewer is a US-based platform designed to enhance the dining experience for schools, colleges, and other institutions by providing an interactive digital menu system.

SchoolCafe

SchoolCafe is a platform that offers detailed menus with nutritional information, allows parents and students to manage preferences, and facilitates online meal payments

Conclusion

Transforming student dining with a data-driven approach improves food experiences by addressing challenges, using analytics, and engaging students. Continuous feedback analysis enhances decision-making, efficiency, and customer satisfaction while promoting well-being.



Thank You

