بسم الله الرحمن الرحيم

Capstone Project

Business Requirement Documents

V 1.0

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Chapter 1 : Introduction

Depending on the digital transformation of businesses and services around the world, we are currently going to build and develop software. This software will be delivered to a single restaurant

Upon that, the restaurant admin/manager can manage many functionalities and services and provide these services via mobile application for a client, but the restaurant management by admin/manager should be done using the web portal in the first project stage, this software and its part will be serve one restaurant in order to help this restaurant in increase sales and enhance the provided services and on the other hand there is part of software will be delivered as mobile application and it's provided to driver in order to handle the delivery order for clients and help on tracking opera ration

In This Document, we will focus on the System functionality divided into 3 stages of delivery, in each functionality, we will describe the business scenarios and when it should be deliverable and how

This project will be delivered in 3 different stages In the first stage we will develop the main restaurant functionality for the main 3 users in the system, as (Admin, Client, Driver) depends on the given provided UI/UX Design while in the second stage we will implement the UI Applications for Driver and Admin Panel and Finally on the last stage we will implement the extra functionality such as reporting and inventory management and add other branch for system to serve users in wider range .

Chapter 2 : System Overview

The project aims to create an integrated software solution tailored to enhance the operations of a single restaurant. The system will consist of both a **web portal** and a **mobile application**, targeting three primary user roles: **Admin/Manager, Client, and Driver**. The system will be developed and delivered in three stages, ensuring a phased and structured approach to deployment

Targeted Users and Roles

1. **Admin/Manager**:
    - Accesses the web portal to manage restaurant operations, including orders, menu, staff, and services.
    - Focused on business growth through tools like sales analysis, reporting, and inventory management.
2. **Client**:
    - Uses a mobile application to browse the menu, place orders, and track delivery status.
    - Enhances user experience with features like payment options and feedback submission.
3. **Driver**:
    - Utilizes a mobile application to manage delivery orders assigned by the admin.
    - Tracks delivery operations, ensuring timely and accurate order fulfillment.

System Components

1. **Web Portal (Admin Panel)**:
    - Centralized dashboard for managing restaurant operations.
    - Core functionalities: Order management, menu updates, service tracking, reporting, and staff assignments.
2. **Mobile Application (Client)**:
    - User-friendly interface for clients to browse the menu, place orders, and track delivery.
3. **Mobile Application (Driver)**:
    - Streamlined interface for drivers to manage and track delivery orders.

Abstract

This Project is Aiming to Develop Client Mobile Application For Restaurant Application this application will developed using flutter and The backend services will be either using .Net Core or Php the Web Developer in this project will be responsible to build and develop database and build RESTful API the Mobile Developer Will be Responsible to build Application UI and Complete the Integration Process before that the QA Will be Responsible to Proceed Manual and automation Testing on Provided API From Web Developer Then After The Mobile Developer Launch Release the QA Will Proceed Test Again on The Delivered Version of Application The Steps of Handling This Operation / Target Should be Different From Team to another In Order to Enhance the Communication and Management Skills , on the other hand the Task Management and Tracking Team Progress Will be Considered Invalid Per Each Team and Unit

Problem Statement

The restaurant industry is increasingly leveraging digital solutions to streamline operations and enhance customer experiences. However, many small to medium-sized restaurants lack the necessary tools to effectively manage their services, leading to inefficiencies in order processing, delivery operations, and customer engagement.

The lack of a centralized system creates several challenges:

1. **Inefficient Management**: Manual or outdated systems for order and inventory management result in errors and delays.
2. **Poor Customer Experience**: Clients face difficulties in placing orders, tracking deliveries, and providing feedback.
3. **Delivery Challenges**: Drivers struggle with unclear delivery instructions and lack of real-time tracking tools.
4. **Limited Scalability**: Many restaurants are unable to expand their services to new branches due to inadequate systems.

These issues hinder restaurant growth, reduce customer satisfaction, and lead to lost revenue opportunities.

Project Goal and Purpose

The goal of this project is to develop an integrated software solution that empowers a single restaurant to enhance its operational efficiency, improve customer satisfaction, and increase sales through a centralized web portal for management and mobile applications for clients and drivers.

Project Purpose

1. **Streamline Restaurant Operations**
   - Provide the admin/manager with a robust web portal to manage orders, inventory, menu updates, and staff assignments efficiently.
2. **Enhance Customer Experience**
   - Deliver a user-friendly mobile application that allows clients to browse the menu, place orders, and track deliveries in real time.
3. **Optimize Delivery Operations**
   - Equip drivers with a mobile application to manage delivery tasks, navigate routes, and ensure timely order fulfillment.
4. **Facilitate Scalability**
   - Develop a scalable system that can support future enhancements, such as advanced reporting tools and the addition of new restaurant branches.
5. **Support Business Growth**
   - Help the restaurant leverage digital transformation to increase sales, enhance service quality, and gain a competitive edge in the market.

The project will achieve these goals through a phased delivery approach, ensuring core functionalities are implemented first, followed by advanced features and scalability options.

Project Stakeholders

Primary Stakeholders

1. **Restaurant Admin/Manager**
   - Role: Oversee and manage restaurant operations using the web portal.
   - Interest: Efficient management of orders, menu, inventory, and staff.
   - Influence: High, as they are the primary users of the system and will provide essential feedback.
2. **Clients (Customers)**
   - Role: Place food orders and track deliveries via the mobile application.
   - Interest: A seamless, user-friendly experience with accurate order tracking and secure payment options.
   - Influence: High, as their satisfaction directly impacts the success of the system.
3. **Drivers**
   - Role: Manage delivery orders and ensure timely delivery using the mobile application.
   - Interest: Tools to streamline delivery tasks and optimize routes.
   - Influence: Medium, as their efficiency affects customer satisfaction and restaurant operations.

Secondary Stakeholders

4. **Development Team**
   - Role: Design, develop, test, and deploy the system.
   - Interest: Deliver a functional, scalable, and user-friendly solution on time.
   - Influence: High, as they are responsible for creating the system.
5. **UI/UX Designers**
   - Role: Design user-friendly interfaces for both the web portal and mobile applications.
   - Interest: Ensuring the system is intuitive and visually appealing for all user roles.

- Influence: Medium, as their work impacts user satisfaction.

6. **Business Owner/Investors**
   - Role: Provide funding and strategic direction for the project.
   - Interest: Achieving ROI through improved restaurant operations and increased sales.
   - Influence: High, as they have financial control and decision-making authority.

Tertiary Stakeholders

7. **Support Team**
   - Role: Provide technical support and handle system maintenance post-deployment.
   - Interest: Ensuring system stability and resolving user issues efficiently.
   - Influence: Medium, as their role is crucial for long-term success.
8. **Future Branch Managers (Stage 3)**
   - Role: Utilize the system to manage operations in additional branches.
   - Interest: A scalable solution that meets their operational needs.
   - Influence: Low (initially), but grows as new branches are integrated into the system.
9. **Regulatory Authorities**
   - Role: Ensure the system complies with local regulations, such as food safety, data protection, and payment security.
   - Interest: Compliance with legal and ethical standards.
   - Influence: Low, unless compliance issues arise.

By identifying and addressing the needs and expectations of these stakeholders, the project aims to ensure its success and long-term viability.

Chapter 3 : Business Scenarios

In today’s fast-paced world, the food and beverage industry is rapidly adopting technology to meet evolving customer expectations and streamline operations. Restaurants are seeking innovative solutions to enhance their service quality, improve operational efficiency, and stay competitive in an increasingly digital marketplace.

This project aims to revolutionize how a single restaurant manages its operations and engages with its customers. By integrating a robust web portal for restaurant management and user-friendly mobile applications for clients and drivers, the system offers a comprehensive solution to address critical business challenges. The software will not only simplify order management and delivery operations but also provide a seamless experience for all stakeholders, ultimately driving increased sales and customer satisfaction.

This chapter delves into the **business scenarios** that form the foundation of the project. Each scenario illustrates real-world interactions and workflows for the restaurant admin, clients, and drivers, showcasing how the software addresses their unique needs. By mapping these scenarios to the system's functionalities, we provide a clear understanding of how the project delivers value at every stage of development.

Through these scenarios, the project bridges the gap between technology and business goals, ensuring the system is both practical and impactful for the restaurant’s success.

In This Chapter We Will Describe the Main System Requirement and The Flow of Provided Operations depends on the Specified Actors in This System and Kindly note that this mentioned functionality could be modified and changed any change will provided to the technical team as change request with new updated version of the BRD

3.1 Super Admin Business Scenarios

3.1.1 Super Admin Login

<table>
<tr><th>Task No</th><th>CP01 (Super Admin Login)</th></tr>
<tr><td>Environment</td><td>Web Portal</td></tr>
<tr><td>Precondition</td><td>The Admin Account Should be seeded on Database From the first run for the project</td></tr>
<tr><td>Main Flow</td><td>1. User navigate to capstone admin panel
2. User should enter username / email
3. User Should enter password
4. User Press Login Button</td></tr>
<tr><td>Post Condition</td><td>1.JWT Token Should be Generated and Send To The associated Email for the User Account
2. user name and password should be hashed using SHA-512 algorithms</td></tr>
<tr><td>Data Validation</td><td><table>
<tr><td>Filed</td><td>Conditions</td></tr>
<tr><td>Username</td><td>Unique String with English alphatical only without spaces or numbers or special character</td></tr>
<tr><td>Password</td><td>at least 8 characters contains of lower case character , upper case character ,number and special characters</td></tr>
<tr><td>Email</td><td>Unique Email Address with specific domain such as (gmail,hotmail,outlook,zoho)</td></tr>
</table></td></tr>
</table>

3.1.2 Super Admin Access Token Generation

Task No	CP02 (Super Admin Access Token Generation)
Environment	Web Portal
Precondition	The User Should be Logged in Successfully using it's own account
Main Flow	1. Super Admin Logged In 2. JWT Token Should be Generated and Send Via Email as Query Parameter 3. When User Hit the Link on Email body he should navigated into specific URL that pass token again from query parameter 4. Update Is Logged in Flag in Data base 5. Redirect User To Main Page
Other Flow	1. User Successfully Logged in but the token email not sent to user 2. User Click on button Resent Access Token 3. The New Token Should be Generated and the old one should set as expired token 4. Send Token Via Email as Query Parameter 5. When User Hit the Link on Email body he should navigated into specific URL that pass token again from query parameter 6. Update Is Logged in Flag in Data base Redirect User To Main Page
Post Condition	1. Find Solution To Prevent Token Modification

3.1.3 Super Admin Reset Password

<table>
<tr><th>Task No</th><th>CP03 (Reset Admin Password)</th></tr>
<tr><td>Environment</td><td>Web Portal</td></tr>
<tr><td>Precondition</td><td>No conditions</td></tr>
<tr><td>Main Flow</td><td>1. Super Admin Click on Forget Password Button
2. Admin Should insert Email
3. If the email associated with super admin account
4. OTP Code with 5 digit should sent to admin via email
5. Ask Admin to insert verification code
6. Validate the OTP and Email
7. Ask User To Insert the New Password
8. Set New Password on The System</td></tr>
<tr><td>Post Condition</td><td>1. Super admin have 3 try's to change password and verify OTP
2. OTP should be valid for only 10 minutes
3. Password should not be repeated</td></tr>
<tr><td>Data Validation</td><td>
<table>
<tr><th>Field</th><th>Condition</th></tr>
<tr><td>Password</td><td>at least 8 characters contains of lower case character , upper case character ,number and special characters</td></tr>
<tr><td>OTP Code</td><td>5 Digit Integer value</td></tr>
<tr><td>Email</td><td>Unique Email Address with specific domain such as (gmail,hotmail,outlook,zoho)</td></tr>
</table>
</td></tr>
</table>

3.1.4 Super Admin Create Other Admin

<table>
<tr><th>Task No</th><th>CP04 (Create Other Admin)</th></tr>
<tr><td>Environment</td><td>Web Portal</td></tr>
<tr><td>Precondition</td><td>1. Logged in super admin account</td></tr>
<tr><td>Main Flow</td><td>1. Access System Admin Page
2. Click on Create System Admin
3. New Pop up should be open and asked user to set the following information
a. First Name
b. Last Name
c. Email
d. Username
e. Phone number
f. Password (Auto Generated From System)
g. Profile Image
h. Join Date
4. Click on the save button
5. If The Admin Save new Notification should appear with message “New System Admin Has been Added ”</td></tr>
<tr><td>Post Condition</td><td>1. Email With OTP Code Should be Sent to new admin account
2. Admin Will be Deactivated Until he Complete the Verification Process by
a. Click on the link on email
b. Navigate him to new screen
c. If the verification process complete new message should appear “Your Account Has been Activated”
d. Other wise show him button for Resent Admin Verification Email</td></tr>
<tr><td>Data Validation</td><td><table>
<tr><td>Field</td><td>Conditions</td></tr>
<tr><td>First Name / Last Name</td><td>Required Only English Alphabetical with allowed white space</td></tr>
<tr><td>Phone Number</td><td>Phone Number with 10 Digit in Jordanian Format such as (07_********)
Replace _ With (7,8,9)</td></tr>
<tr><td>Email</td><td>Unique Email Address with specific domain such as (gmail,hotmail,outlook,zoho)</td></tr>
<tr><td>Password</td><td>at least 8 characters contains of lower case character , upper case character ,number and special characters</td></tr>
<tr><td>OTP Code</td><td>5 Digit of Integer Value With 1 hour Expiration Date</td></tr>
</table></td></tr>
</table>

3.1.5 Super Admin Manage Admin Activation

Task No	CP05 (Mange Admin Activation)
Environment	Web Portal
Precondition	1. Logged in Super Admin 2. Create Admin Account and Was Verified Via Email
Main Flow	1. Access System Admin Page 2. Select one of the existing admin 3. Press on Deactivate Admin Button if he activated other wise press Activate admin if he deactivated 4. Confirmation Dialog Should be Appear With one of the following messages A- If Admin Deactivated "Are you Want to Re Activate This Admin " B- If Admin Activated "Are You Sure to Deactivate This admin account " 5. If user click yes we will update IsActiveFlag For Admin 6. If User Click No dialog will disappear and no any action will taken
Post Condition	1. If Admin Not Activated he cannot logged in to the system again

3.1.6 Super Admin Reset Other Admin Account Password

Task No	CP06 (Rest Admin Account Password)
Environment	Web Portal
Precondition	1. Logged in Super Admin 2. Create Admin Account and Was Verified Via Email
Main Flow	1. Access System Admin Page 2. Select one of the existing admin 3. Press on Reset Password Button 4. New Pop up should be displayed to ask admin enter your password 5. Or admin can click on button to generate new password automatically 6. After insert new password admin should click save 7. Then New Hashed password will save on DB 8. If Admin select Notify Admin Check box 9. An Email With The New Password should be sent to admin email
Post Condition	1. Admin Should Access The System using New Password

3.1.7 Super Admin Update Other Admin Account

<table>
<tr><th>Task No</th><th>CP07 (Update Admin Account)</th></tr>
<tr><td>Environment</td><td>Web Portal</td></tr>
<tr><td>Precondition</td><td>1. Logged in Super Admin Account
2. Pre Defined Admin account</td></tr>
<tr><td>Main Flow</td><td>1. Access System Admin Page
2. Select one of the existing admin account
3. Press on update button
4. New pop up should appear with the following data
    1. First Name
    2. Last Name
    3. Email
    4. Username
    5. Phone number
    6. Profile Image
    7. Join Date
    8. Creation Date (Disable)
5. Super Admin Can Click on Save Button to apply change on Db
6. Super Admin Can Click on Discard Button to Hide pop up and keep data as it is
7. After Save New Notification Should appear with message “Admin Info Has been Updated”</td></tr>
<tr><td>Data Validation</td><td>
<table>
<tr><td>Field</td><td>Conditions</td></tr>
<tr><td>First Name / Last Name</td><td>Required Only English Alphabetical with allowed white space</td></tr>
<tr><td>Phone Number</td><td>Phone Number with 10 Digit in Jordanian Format such as (07_********)
Replace _ With (7,8,9)</td></tr>
<tr><td>Email</td><td>Unique Email Address with specific domain such as (gmail,hotmail,outlook,zoho)</td></tr>
<tr><td>Password</td><td>at least 8 characters contains of lower case character , upper case character ,number and special characters</td></tr>
<tr><td>OTP Code</td><td>5 Digit of Integer Value With 1 hour Expiration Date</td></tr>
</table>
</td></tr>
</table>

3.1.8 Super Admin Remove Other Admin Account

Task No	CP08 (Remove Admin)
Environment	Web Portal
Precondition	1. Logged in Super Admin Account 2. Pre Defined Admin account
Main Flow	1. Access System Admin Page 2. Select one of the existing admin account 3. Press on remove button 4. New pop up should appear with this message "Are You Want To Remove This Admin Account From System" 5. If User Click Yes The Admin Account Should be Removed 6. If User Click No The Pop Will Disappear and no any change will be taken
Post Condition	1. Prevent Creation Admin With The Same email / username

3.1.9 Super Admin Explore Other Admins

Task No	CP09 (Explore Admin)
Environment	Web portal
Precondition	1. Logged in Super Admin Account
Main Flow	1. Access System admin page 2. System Should display the current Admins By a. user name b. Full Name (First Name + Last Name) c. Email d. Join Date e. Is Verified f. Is Active g. Actions (update,remove,resetpassword,activate/disactivate)

Post Condition	1. Admin Should be Sorted by Name Alphaptical 2. Pagination Should be applied in this page 3. Table Header Sorting Should be applied from backend 4. Search panel should be added to page to allow super admin search admin by a. Full Name b. Email c. Username d. Join Date (Start - End)

3.1.10 Super Admin Logout

Task No	**CP10**
Environment	Web Portal
Precondition	1. Logged in Super Admin Account
Main Flow	1. Admin click on Logout button either on side bar or in navbar panel 2. Confirmation Message Should be Appear With This Message "Are You Sure To Exit from the System " 3. If Admin Click Yes he should logged out from the system 4. If he click no he will be still on the same page
Post Condition	1. User should redirected to the login screen

3.2 Admin Business Scenarios

Note : All The following functionality is also available and valid for the super admin in the system and For some functionality he will take the same behavior of super admin

3.2.1 Admin Login

Same aa Super Admin Login

3.2.2 Admin Access Token

Same As Super Admin

3.2.3 Admin Logout

Same As Super Admin

3.2.4 Admin Create Role

Task No	CP11 (Create Role)
Environment	Web Portal
Precondition	1. Logged in super admin / admin account 2. Pre Defined Permission on the system
Main Flow	1. Admin Access Role Management Page 2. Admin Click on Create New Role 3. New pop up should be open and ask user to insert the following a. Role Name In English b. Role Name in Arabic c. Select List of Permission from all permission in the system 4. If Admin Press Save New Role Should Create With Message “New Role Has been Created”
Post Condition	No Post Conditions

3.2.5 Admin Explore Existing Role

Task No	CP12
Environment	Web portal
Precondition	1. Logged in admin / super admin
Main Flow	1. Admin Access Role Management Page 2. System Should Display Role by a. Role Name (English / Arabic) depends on current language b. Creation Date c. Assigned User Amount d. Is Active e. Actions (Edit , Deactivate / Activate)
Post Condition	1. Pagination should be applied on this page 2. By default the role sorted by name 3. Admin should search Role by Name only
Data Validation	<table><tr><td>Field</td><td>Condition</td></tr><tr><td>Role Name EN (unique)</td><td>English Character only with white spaces</td></tr><tr><td>Role Name AR (unique)</td><td>Arabic Character only with white spaces</td></tr></table>

3.2.6 Admin Disable / Enable Role

Task No	CP13
Environment	Web Portal
Precondition	1. Logged in admin / super admin 2. Pre created role in the system
Main Flow	1. Admin access role management page 2. Select role of the existing one 3. Click disable button if the role is enable a. popup will displayed with the following message “Are You Want Disable this role That mean no new user can not take this role but the current one will still same the new permission” b. If user click yes the role will be deactivated c. If User click no the pop up will disappear 4. Click enable button a. popup will displayed with the following message “Are You Want Enable this role That mean no new user can take this role” d. If user click yes the role will be deactivated e. If User click no the pop up will disappear

3.2.7 Admin Update Role

Task No	CP14
Environment	Web portal
Precondition	1. Logged in admin / super admin 2. Pre created role in the system
Main Flow	1. Admin access role management page 2. Select role of the existing one 3. Press update button 4. Pop up display the following information a. role English name b. role Arabic name 5. If User Click Save The Role Information Will Reflected on the system And new message should displayed “Role Updated” 6. If User Click Discard The pop up should be disappear
Post Condition	New Role Name Will be shown in user End under profile Picture in Navbar section

3.2.8 Admin Create Employee

Task No	CP15
Environment	Web Portal
Precondition	1. Logged in User as admin / super admin 2. Predefined Role at Least as Driver
Main Flow	1. Admin Access Employee and Staff Page 2. Click on button “Create New Staff Member” 3. New popup dialog should be appear and ask user to fill the following information 1. First Name 2. Last Name 3. Email 4. Username

	5. Phone number 6. Profile Image 7. Join Date 8. Creation Date (Disable) 4. Super Admin Can Click on Save Button to apply change on Db 5. Super Admin Can Click on Discard Button to Hide pop up 6. After Save New Notification Should appear with message "Staff Info Has been Saved and New Employee was Created" 7. An Email With OTP Code Should be Send to Employee 8. Staff should press on the given link then the system should be redirect user to new page to check the otp validity 9. If the otp valid new message will appear "Your Account Has been Activated" 10. If the link invalid employee could press on resent verification link again
Post Condition	No Post Conditions yet
Data Validation	see table below

Field	Conditions
First Name / Last Name	Required Only English Alphabetical with allowed white space
Phone Number	Phone Number with 10 Digit in Jordanian Format such as (07_********) Replace _ With (7,8,9)
Email	**Unique Email Address with specific domain such as (gmail,hotmail,outlook,zoho)**
Password	**at least 8 characters contains of lower case character , upper case character ,number and special characters**
OTP Code	**5 Digit of Integer Value With 1 hour Expiration Date**

3.2.9 Admin Explore Employee and Their Role

Task No	CP16
Environment	Web portal
Precondition	1. Logged in user as admin / super admin
Main Flow	1. Admin access Staff Management page 2. The system should display staff by display the following information a. Image b. Username c. FullName (Firstname + LastName) d. Email e. Role f. Joindate g. Actions (Edit , remove , active / deactivated, send reset password link)
Post Condition	1. Pagination should be applied 2. Staff should be sorted depends on name 3. Data sorting should be done from back end

3.2.10 Admin Update Employee Information

Same as Admin Account Update

3.2.11 Admin Enable / Disable Employee Account

Same as Admin Account Enable / Disable

3.2.12 Admin Reset Employee Account

Same As Admin Account Reset Password

3.2.13 Admin Explore Client

Task No	CP17
Environment	Web portal
Precondition	1. Logged in admin / super admin
Main Flow	1. Admin Access Client Page 2. System Should Display Client Information By a. Image b. Full Name (First Name + Last Name) c. Email d. Phone e. Join Date f. Rate g. Order Count h. Status (Active , Not Activated Yet ,Forbidden , Blocked) i. Actions (Disable/Enable, Explore Order , Explore Issue , Explore locations)
Post Condition	1. Pagination should be applied on this page 2. Table header sorting should be completed via back end 3. Client should be order by default in descending order depends on Join Date 4. Search panel should be available to search client by a. Order amount : integer value b. Rate : double value from 0 – 5 with step of 0.1 ex : (4.2 , 4.3 , etc.…) c. Name : String (match all or part with ignore case and the left , right white space) d. Email : string (match all or part with ignore case and the left , right white space) e. Phone : string (match all or part with ignore case and the left , right white space)

3.2.14 Admin Disable / Enable Client

Task No	CP18
Environment	Web portal
Precondition	1. Logged in admin / super admin
Main Flow	1. Admin Access Client Page 2. Select one of the existing value 3. If user have status active admin press on deactivate button 4. New pop up should be appear with message "Are You Want To Deactivate This Client ? " A . if Admin click Yes then the user will be deactivate and not able to access application again with his account B. If Admin Click Yes and Let Him Access Account Then the user will be deactivated so he can not create new order but he can explore the historical order C. if Admin Click No Then The Pop Up Should Disappear 5. If user have non active status then new pop up should be appear with the following message "Are You Want To Reactivate This Client Account ? " a. If Yes Then Reactivate Account b. If No Then No Any Action Will Taken and disappear popup dialog
Post Condition	No Post Condition In This Case

3.2.15 Admin Explore Client Order History

Task No	CP18
Environment	Web portal
Precondition	1. Logged in admin / super admin account 2. Predefined client 3. Order Divided into 4 category depends on status (Active , On Shipment , Complete , Canceled)
Main Flow	1. Admin should access Order Management Page 2. There is Five Tab (Active Order, on Shipment Order , Complete Order, Cancel , All Order) 3. In This Page we Will Display Order Information With The following information A . Order ID

	B. Client Full Name C. client Phone Number D. Order Creation Date E. Total Price F. Assigned Driver (With Shipment / Canceled / Complete) g. Rate (With Shipment / Canceled / Complete) h. Status (Active , On Shipment , Complete , Canceled) i. Actions (Client Details , Assign Driver , Cancel Order,Get Details)
Alternative Flow	1. Admin Can Explore Client Order by access Client Page 2. Click on Client Order 3. The System Get All Orders Information For Client With out action just by show the following information a.order Id b. Order creation date c. total price d. status e. assigned driver f. rate g. get details button
Post Condition	1. Pagination should be applied on this page 2. Table header sorting should be completed via back end 3. Order should be sorted by creation date (desc) 4. Search on order should be available by a. Order Date (Set Interval Start – End) b. Status choice on of the given values above c. Driver : driver name on the system (auto complete) d. Rate : one choice value from (1-5) e. Client name string (match all or part with ignore case and the left , right white space) f. Client phone string (match all or part with ignore case and the left , right white space) g. Client email string (match all or part with ignore case and the left , right white space)

3.2.16 Admin Explore Client Details

Task No	CP18
Environment	Web portal
Precondition	1. Logged in Account as Admin / Super Admin 2. Pre Defined Client
Main Flow	1. Admin Access Client Page 2. Select one of the Existing client 3. Press on View Details Button 4. New pop up dialog should be appear and display the following data a. First Name b. Last Name c. Email d. Phone e. Image
Alternative Flow	1. In Order Management Page Admin Can also Click on Client Details Button and Get the same behavior
Post Condition	No Post Condition In This Case

3.2.17 Admin Explore Client Reported Issue

Task No	CP18
Environment	Web portal
Precondition	1. Logged in account as admin / super admin
Main Flow	1. Admin Access Issue and Suggestion Page 2. The System Should be able to displayed issue and suggestion on this page depends on two Tap (Issues , Solutions) 3. Each tabs will display the same information but each of them will have different status 4. The Displayed information By A. Issue / Suggest ID B. Title C. Client Full Name D. Email E. Creation Date

	F. Status 1. For issue (open , pending , waiting customer response , closed) 2. For Suggest (Received , Approved , Rejected)
Alternative Flow	Admin Can Explore Client Issues From Client Information Page and with same behavior
Post Condition	1. Pagination should be applied on this page 2. Table header sorting should be completed via back end 3. Issue / suggest should be sorted by creation date (desc) 4. Search on Issue / suggest should be available by a) Creation Date (Set Interval Start – End) b) Status choice on of the given values above c) Client name string (match all or part with ignore case and the left , right white space) d) Client phone string (match all or part with ignore case and the left , right white space) e) Client email string (match all or part with ignore case and the left , right white space)

3.2.18 Admin Explore Client Delivery Locations

Task No	CP18
Environment	Web portal
Precondition	1. Logged in user with admin / super admin account
Main Flow	1. Admin Access Client Page 2. Click on show address button 3. New pop up should be displayed and show the following information A . Address Id B . Name C. Provunce (Jordanian Provunce) D. Region (Some Region under each Provunce) E. Address Hint / Guidance F. Map To Show Actual Address 4. No Action Will be Available on this Dialog
Post Condition	No Post Condition In This Case

3.2.19 Admin Create New Category

<table>
<tr><th>Task No</th><th>CP19</th></tr>
<tr><td>Environment</td><td>Web portal</td></tr>
<tr><td>Precondition</td><td>Logged In Account As Admin / Super Admin</td></tr>
<tr><td>Main Flow</td><td>Admin Access Category Management Page
Admin Click on Create Category
New Pop Up Dialog Will Display and Ask User To Insert the following Data
Category Name English
Category Name Arabic
Image For Category
Admin Click Save button then new Category should added into Db With the following Message “New Category Has Been Added ”
If Admin Click Cancel Popup Message Will Appear with message “Are you want to cancel this operation ?”
If Yes then close pop up
If No Keep Create popup appear</td></tr>
<tr><td>Post Condition</td><td>Category Name Should Unique either in Arabic or English
Image Is Required</td></tr>
<tr><td>Data Validation</td><td><table>
<tr><td>Field</td><td>Constraints</td></tr>
<tr><td>Category Name AR</td><td>String with Arabic alphabetical with allowed white space (only one) between words</td></tr>
<tr><td>Category Name EN</td><td>String with English alphabetical with allowed white space (only one) between words</td></tr>
<tr><td>Image</td><td>Required Image With Max 250*250 and with extension (png,jpg,webp)</td></tr>
</table></td></tr>
</table>

3.2.20 Admin Explore Category

<table>
<tr><th>Task No</th><th>CP20</th></tr>
<tr><td>Environment</td><td>Web portal</td></tr>
<tr><td>Precondition</td><td>Logged In Account As Admin / Super Admin</td></tr>
<tr><td>Main Flow</td><td>Admin Access Category Management System
System Should be Display Categories by
Image</td></tr>
</table>

	• Category Name EN • Category Name AR • Item Count (how many element under the category) • Creation Date • Actions (Edit , Disable / Enable)
Post Condition	1. Pagination Should be applied in this page 2. Categories should be sorted alphabetical 3. Table Header should support header ordering via backend

3.2.21 Admin Disable / Enable Category

Task No	CP21
Environment	Web portal
Precondition	1. Logged In Account As Admin / Super Admin
Main Flow	1. Admin Access Category Management Page 2. Admin Select one of the existing category 3. Admin click on Enable button if category is deactivated 4. New pop up should be appear with message “Are You Sure to Enable is Category ?” 5. Admin click on Deactivate button if category is enable 6. Other pop up should be appear with message “Are you sure to Deactivate Category ? That Mean The Item Under This Category Will not be available for client ” 7. If User Confirm on Message then update isActive Flag 8. Otherwise The pop up will disappear
Post Condition	• No Post Conditions

3.2.22 Admin Update Category Information

Task No	CP22
Environment	Web portal
Precondition	1. Logged In Account As Admin / Super Admin
Main Flow	1. Admin Access Category Management System 2. Admin Click on Update button

	3. System Should be Display Categories Info in Dialog by show • Image • Category Name EN • Category Name AR 4. If admin click on save button the change should be reflected to database then the system will show notification “Category Has been Updated” 5. If admin click on cancel then the pop up will disappear
Post Condition	4. No Post Conditions

3.2.23 Admin Create Discount / Offers

Task No	CP23
Environment	Web portal
Precondition	1. Logged In Account As Admin / Super Admin
Main Flow	1. Admin Access Discount & Offer Page 2. Admin Click on button Create New Offer 3. New Pop up should appear and ask user to insert the following value • Title EN • Title AR • Description EN • Description AR • Start Date • End Date • Limit Amount • Code • Image • Discount Percentage • Category Ids • Items Ids 4. Admin Click Save Then New Notification should appear with the following message “New Offer Has Been Created” 5. If Click Cancel New pop up will appear with message “Are You Want To Discard Changes ?” a. Yes this option will disappear pop up b. No the create offer pop up still appear
Post Condition	1) No Post Conditions

Data Validation	**Field**	**Constraints**
	Title EN / Description EN	String With English Alphabetical with allowed white space , emoji , percent sign , dollar sign and question mark
	Title AR / Description AR	String With Arabic Alphabetical with allowed white space , emoji , percent sign , dollar sign and question mark
	Start Date	Current Date and Future Date
	End Date	Current Date and Future Date and should grater than start date
	Limit Amount (optional)	Float value grater than 0
	Limit Persons(optional)	Integer value grater than 0
	Code	String English alphabetical and digit
	Image(optional)	Optional Image
	Percentage (optional)	Integer value less that or equal 50 and grater than 0
	Category Ids (at least one)	The List Categories will take offers
	Items Ids (at least one)	The Item Will take offers

3.2.24 Admin Explore Discount / Offers

Task No	**CP24**
Environment	Web portal
Precondition	a) Logged In Account As Admin / Super Admin
Main Flow	1. Admin Access Discount & Offer Page 2. System Should display offer Under three tabs (Current Offer , Expired Offer , Canceled Offer) 3. System display offer by a. Discount ID b. Title c. Start Date d. End Date e. Status (New , Active , Expired , Canceled) f. Limit g. discount percent h . Actions (Edit , Disable)
Post Condition	1. Pagination should be applied in this page 2. Table Header Sorted via back end 3. Order Sorted by Creation Date in Descending Order

3.2.25 Admin Disable / Enable Discounts and Offers

Task No	CP25
Environment	Web portal
Precondition	1. Logged In Account As Admin / Super Admin
Main Flow	1. Access Offer & Discount Management Page 2. Select one of the existing offer 3. Click on Disable offer it the offer is active 4. New pop up will appear with the following message "Did You Want To Disable This offer ? " 5. if click yes the status will updated on data base 6. If the offer is deactivate 7. New pop up will appear with Message "Did You Want To Enable This Offer ? " 8.IF Click Yes Check box with message 'I want to re-enable this offer' new end date filed should appear to let admin set new expire date 9.if Click no the dialog will disappear
Post Condition	No Post Conditions

3.2.26 Admin Update Offers Information

Task No	CP26
Environment	Web portal
Precondition	1. Logged In Account As Admin / Super Admin
Main Flow	1. Admin Access Discount & Offer Page 2. Admin Select one of existing offer record 3. Admin Click on update button icon 4. New Pop up should appear and show the following value with ability to edit • Title EN • Title AR • Description EN • Description AR • Start Date

<table>
<tr><td></td><td>

End Date
Limit Amount
Code
Image
Discount Percentage
Category Ids
Items Ids

6. Admin Click Save Then New Notification should appear with the following message “New Offer Has Been Updated”
7. If Click Cancel New pop up will appear with message “Are You Want To Discard Changes ?”
c. Yes this option will disappear pop up
d. No the create offer pop up still appear
</td></tr>
<tr><td>Post Condition</td><td>• No Post Conditions</td></tr>
<tr><td>Data Validation</td><td>
<table>
<tr><th>Field</th><th>Constraints</th></tr>
<tr><td>Title EN / Description EN</td><td>String With English Alphabetical with allowed white space , emoji , percent sign , dollar sign and question mark</td></tr>
<tr><td>Title AR / Description AR</td><td>String With Arabic Alphabetical with allowed white space , emoji , percent sign , dollar sign and question mark</td></tr>
<tr><td>Start Date</td><td>Current Date and Future Date</td></tr>
<tr><td>End Date</td><td>Current Date and Future Date and should grater than start date</td></tr>
<tr><td>Limit Amount (optional)</td><td>Float value grater than 0</td></tr>
<tr><td>Limit Persons(optional)</td><td>Integer value grater than 0</td></tr>
<tr><td>Code</td><td>String English alphabetical and digit</td></tr>
<tr><td>Image(optional)</td><td>Optional Image</td></tr>
<tr><td>Percentage (optional)</td><td>Integer value less that or equal 50 and grater than 0</td></tr>
<tr><td>Category Ids (at least one)</td><td>The List Categories will take offers</td></tr>
<tr><td>Items Ids (at least one)</td><td>The Item Will take offers</td></tr>
</table>
</td></tr>
</table>

3.2.27 Admin Create Item

<table>
<tr><th>Task No</th><th>CP27</th></tr>
<tr><td>Environment</td><td>Web portal</td></tr>
<tr><td>Precondition</td><td>1. Logged In Account As Admin / Super Admin</td></tr>
<tr><td>Main Flow</td><td>1. Admin Access Item Management Page
2. Admin Click on Create Item Button
3. New Pop up Dialog should appear to allow user insert the following information
a . Item Name EN
b. Item Name AR
c. Item Image
d. Item Description AR
e. Item Description EN
f. Category
g. Price
h. Item Option / Addition
1. Option Id (auto increment)
2. Name AR
3. Name EN
4.Category
5. Is Required
4. Admin Click Save Item should be saved on database and new message should be displayed “New Item Has Been Added To Menu”
5. Admin Click Cancel New Pop up should Displayed with this message “Are You Want To Discard Change ?”
if Admin click yes then create pop up will disappear
other wise the pop up will still appear</td></tr>
<tr><td>Post Condition</td><td>1. Item Name Should be Unique
2. Each Create Item Should displayed with “New” Badge</td></tr>
<tr><td>Data Validations</td><td><table>
<tr><td>Field</td><td>Conditions</td></tr>
<tr><td>Item Name AR / Description AR</td><td>String With Arabic Alphabetical with allowed white space</td></tr>
<tr><td>Item Name EN / Description EN</td><td>String With English Alphabetical with allowed white space</td></tr>
<tr><td>Item Image</td><td>Image with 780*380 resolution with png / webp / jpg extensions</td></tr>
<tr><td>Price</td><td>Positive Float Value Grate Than Zero</td></tr>
<tr><td>Category</td><td>Drop Down List With Available Category in system (Id , Name)</td></tr>
</table></td></tr>
</table>

	Options (Optional List)	(Id): auto increment value (name ar): String With Arabic Alphabetical with allowed white space (name EN): String With English Alphabetical with allowed white (category) : should be lookup item such as (Flavor , Addition , Removed) (Is Required) : Flag Boolean

3.2.28 Admin Explore Item

Task No	**CP28**
Environment	Web portal
Precondition	1. Logged In Account As Admin / Super Admin
Main Flow	1. Admin Access Item Management Page 2. System Should Display The Existing Item information By shown a. Item Id b. Item Image c. Item Name d.Item Rate e.Item Review f. Item Badge g. Category h. Creation Date i. Actions (Details , Edit , Disable / Enable , Apply Offer)
Alternative Flow	1. Admin Access Category Page 2. Admin select one of the existing category 3. Admin Click on Show Item button to Return Element Under the Selected category
Post Condition	1. Pagination should be applied in this page 2. Item sorted by default depends on name in ascending order 3. Table Header should support sorting via backend 4. Search panel should be exist using the following option a. Item Name b. Category c. Price Range d. rate e. Is have Discount

3.2.29 Admin Disable / Enable Item

Task No	CP21
Environment	Web portal
Precondition	1. Logged In Account As Admin / Super Admin
Main Flow	1. Admin Access Item Management Page 2. Admin Select one of the existing item 3. Admin click on Enable button if item is deactivated 4. New pop up should be appear with message “Are You Sure to Enable is Item ?” 5. Admin click on Deactivate button if category is enable 6. Other pop up should be appear with message “Are you sure to Deactivate Item ? That Mean This Item Will not be available for client ” 7. If User Confirm on Message then update isActive Flag 8. Otherwise The pop up will disappear
Post Condition	• No Post Conditions

3.2.30 Admin Update Item

Task No	CP30
Environment	Web portal
Precondition	1. Logged In Account As Admin / Super Admin
Main Flow	1. Admin Access Item Management Page 2. Admin Click on Create Item Button 3. New Pop up Dialog should appear to allow user view and edit the following information a . Item Name EN b. Item Name AR c. Item Image d. Item Description AR e. Item Description EN f. Category g. Price

<table>
<tr><td></td><td>h. Item Option / Addition
1. Option Id (auto increment)
2. Name AR
3. Name EN
4.Category
5. Is Required
4. Admin Click Save Item should be saved on database and new message should be displayed “New Item Has Been Updated”
5. Admin Click Cancel New Pop up should Displayed with this message “Are You Want To Discard Change ?”
if Admin click yes then create pop up will disappear
other wise the pop up will still appear</td></tr>
<tr><td>Post Condition</td><td>1. Item Name Should be Unique
2. Each Create Item Should displayed with “New” Badge</td></tr>
<tr><td>Data Validations</td><td>
<table>
<tr><td>Field</td><td>Conditions</td></tr>
<tr><td>Item Name AR / Description AR</td><td>String With Arabic Alphabetical with allowed white space</td></tr>
<tr><td>Item Name EN / Description EN</td><td>String With English Alphabetical with allowed white space</td></tr>
<tr><td>Item Image</td><td>Image with 780*380 resolution with png / webp / jpg extensions</td></tr>
<tr><td>Price</td><td>Positive Float Value Grate Than Zero</td></tr>
<tr><td>Category</td><td>Drop Down List With Available Category in system (Id , Name)</td></tr>
<tr><td>Options (Optional List)</td><td>(Id): auto increment value
(name ar): String With Arabic Alphabetical with allowed white space
(name EN): String With English Alphabetical with allowed white
(category) : should be lookup item such as (Flavor , Addition , Removed)
(Is Required) : Flag Boolean</td></tr>
</table>
</td></tr>
</table>

3.2.31 Admin Update Problem Ticket

Task No	CP31
Environment	Web portal
Precondition	• Logged In Account As Admin / Super Admin
Main Flow	• Admin Access Problem & Suggest Page • Admin Select One of The Existing Ticket • Admin Click on Take Action button • If The Ticket Is Problem 1. New Dialog should appear and Let Admin Fill The Following a. Response b. Action Type (Close , Close and Refund , Reject) c. If Close and Refund selected then new filed with (Refund Amount) d. Refund Expiration Date (Null / Specific Date) e. Admin Click button Take This action Then Changes should updated on database and new message will appear “Ticket Closed” f. Admin Click Cancel New Pop up should Displayed with this message “Are You Want To Discard Change ?” if Admin click yes then create pop up will disappear other wise the pop up will still appear • If The Ticket Is Suggest 1. New Dialog Will Appear To Send Appreciate to client via email using message like this “Dear Client {Client Name } Thanks for your valuable suggestion we will discuss at our end at apply it as soon as possible Best Regards Capstone Team ”
Post Condition	• No Post Conditions

3.2.32 Explore Notifications

Task No	CP32
Environment	Web portal
Precondition	• Logged In Account As Admin / Super Admin
Main Flow	• Admin Access Notification Page • System Should Show The Notification By a. Id b. Title c. Notification Type (Issue , Support , New Order , New System Action) d.Is Read e. Creation date d. Actions 1. Open (New pop up will appear and display Notification Title Description , Creation Date , Type , Close Button) 2. Delete (new confirm dialog should appear with "Are You Want To Remove This Notitcation ") if Admin Click Yes "Notification will be deactivate and never shown again" other wise the pop up should disappear
Alternative Flow	• Admin click on alert icon • Float menu should display the latest 10 unread notification • If admin click on notification the open dialog will be shown • If admin click on show all notification the system will redirect admin to notification Page
Post Condition	• No Post Conditions

3.2.33 Admin Change Order Status

Task No	CP33
Environment	Web portal
Precondition	• Logged In Account As Admin / Super Admin
Main Flow	• Admin access Order Management Page • Admin Click on one of the following buttons 1.Assign Driver

	• In this case admin will get pop up appeared on screen ask him to select one of the available driver in the current work shift and upon save change the status of order should be "Under Preparing " and new message will shown "Order Assigned Successfully " 2.Cancel Order in this case admin will get confirm dialog with message "Are you want to cancel this order ?" if admin click yes he should insert cancelation reason then press save to show message "Order has been Canceled" 3. Get Details in this case admin will see dialog with order selected item by 1. Item id 2. Item name 3. Quantity 4. Total Price 5. Item Options (Name , Type)
Post Condition	• No Post Conditions

By Above Functionality Admin / Super Admin Should be Able to manage the main Operation in the Restaurant and can handle communication with customer and driver

By the way there's some modification and enhancement could be applied on this Document

3.3 Client Business Scenarios

3.3.1 Client Install Application

Task No	CP34
Environment	Mobile Application
Precondition	No Pre Conditions
Main Flow	1. Client Should open official application store depends on the used operating system in his device 2.client should click on install application button 3.after success installation app should be open by click on open app button
Alternative Flow	1. Client Access Capstone Web site from mobile 2. Client Click on install App button depends on the used operating system 3. client open application installation file from download folder 4. client install application and setup on device 5. client open application
Post Condition	1. client should allowed all required permission such as a. Location Permission b. Internet Permission c. memory use permission d. access gallery permission e. access camera permission

3.3.2 Client Explore Guidance Screen For the First Time usage

Task No	CP35
Environment	Mobile Application
Precondition	1.installed application in client device 2.No Any Record in Shared Per fences stored
Main Flow	1. client open application 2. client view splash screen 3.client show welcome screen then press continue 4.client show delivery feature screen then press continue 5.client show items selection screen then press continue 6. client show turn on location screen a. if client press Turn on Permission Request Dialog to grant permission for get and track location b. if client press cancel we will move to next sign in screen
Alternative Flow	1. client open application

	2. client view splash screen 3. Client click skip on one of the following screen a. welcome screen b. delivery screen c. item selection d. turn on location 4. When user click skip directly the app will take user to sign in screen
Post Condition	Store Flag in shared per fences to indicate that user was show the guidance screen

3.3.3 Client Access Application After First Run

Task No	CP36
Environment	Mobile Application
Precondition	1. Installed Application on client device 2.this Is the non first time to use app
Main Flow	1. if client is logged in and let device remember his credentials then he will access the main application screen 2. If client not logged in then he will access login page 3. If client skip login screen then he could access main screen
Post Condition	1. if user logged in then store username and user id in device local storage for the next usage during application run time

3.3.4 Client Signup

Task No	CP50
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client access sign in page 2. client click on Signup option on the upper part of screen 3. Client show signup option and he asked to fill them in order to create new account by insert a. Full Name b. email c. birthdate

	d. phone (international format) e. password 4. Client click on Register button 5. Data should saved on database and new message should appear "Your Account has been Created " 6. Redirect User to sign in page with auto fill for email and password
Post Condition	1. email should be unique value 2. Phone should be unique
Data Validation	(see nested table below)

Field	Constraints
Full Name	English / Arabic alphapatical with white spaces allowed
Email	Email Address under domain such as (gmail , yahoo , outlook , hotmail)
Phone	National Phone number
Birthdate	At Least date before 16 year from current date
Password	at least with 6 digit with one upper and one lower and symbol and one digit

3.3.5 Client Google Sign in

Task No	CP51
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client access sign in page 2. client click on Continue with Google button 3.A Google account selection dialog appears. 4.The client selects an account or logs in to their Google account. 5.If prompted, the client reviews and grants permissions to the app. 6.The client is automatically logged in and redirected to the app.
Post Condition	1. if user logged in then store username and user id in device local storage for the next usage during application run time 2. store the access token also in local storage

3.3.6 Client Facebook Sign in

Task No	CP52
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client access sign in page 2. client click on Continue with Facebook button 3. A Facebook login dialog appears. 4. The client logs in or selects an account (if already logged in). 5. If prompted, the client reviews and grants permissions to the app. 6. The client is automatically logged in and redirected to the app.
Post Condition	1. if user logged in then store username and user id in device local storage for the next usage during application run time 2. store the access token also in local storage

3.3.7 Client Apple Sign in (on apple phone only)

Task No	CP52
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client access sign in page 2. client click on Continue with Apple button 3. An Apple ID login dialog appears. 4.The client logs in with their Apple ID or confirms if already logged in. 5.If prompted, the client reviews and grants permissions, such as sharing their email (or choosing to hide it). 6.The client is automatically logged in and redirected to the app.
Post Condition	1. if user logged in then store username and user id in device local storage for the next usage during application run time 2. store the access token also in local storage

3.3.8 Client Sign In

Task No	CP53
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client access sign in page 2. client insert email 3. client insert password 4. client click on Login button 5. if client info and credential is correct then new message should appear "Welcome {Client Name}" 6.other wise other message should appear "Incorrect Email or Password"
Post Condition	1. if user logged in then store username and user id in device local storage for the next usage during application run time 2. store the access token also in local storage

3.3.9 Client Password Reset With Verification Code

Task No	CP56
Environment	Mobile Application
Precondition	1. Installed Application on client device 2. Pre Client Registered in application
Main Flow	1. Client open application 2. Client access sign in page 3. Client press on Reset Password Option 4. New Screen will appear and ask user to insert his email 5. Client in set email and Press Send Code 6. If Code Send to Client Then new Pop up will appear 7.client asked to inset OTP with 4 digit 8.if the code correct he will show new Dialog and ask user to insert new password and confirm password 9. if code is expired new message will appear "OTP Expired Please Try Again" 10. If code is wrong new message will appear "Invalid OTP" 11.Other wise if the new password set successfully client will see congratulation screen with message "Password Reset Success"
Post Condition	Password should be not repeated and used twice Password should be at least with 6 digit with one upper and one lower and symbol and one digit Email for client should be one of the following domain (gmail,yahoo,Hotmail,outlook)

3.3.10 Client Explore Categories

Task No	CP58
Environment	Mobile Application
Precondition	1. Installed Application on client device 2. Add Default Option Called ALL
Main Flow	1.client open App 2.client access main page 3. client can explore categories via the horizontal panel by a. image for category b. name of category
Post Condition	1.Fillteration on Item Should be done via category selection

3.3.11 Client Explore Special offer

Task No	CP59
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open main page 2. if there is any offer / discount available then client can browse theme via Horizontal panel under category panel with the following info a . offer banner back ground b. title of offer c. Total Discount / Discount Percent
Post Condition	1. No Any Post Conditions

3.3.12 Client Explore Top Rated Items

Task No	CP60
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open application 2. client access main page 3. The System Should be able to display top rated element 4. The horizontal panel should available to show element such as a. Rate b. Item Image c. Item Name d. Description e. Price f. Plus icon to add element into cart
Post Condition	1. the top element limited with 10 element 2. The element should sort depends on rate in descending order 3. If client click on item image application will redirect to item details page

3.3.13 Client Explore Recommended Item

Task No	CP60
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open application 2. client access main page 3. The System Should be able to display top recommended element (the top frequent element in all old carts) 4. The horizontal panel should available to show element such as b. Item Image c. Item Name
Post Condition	1. the top element limited with 10 element 2. The element should sort depends on frequent amount in descending order 3. If client click on item image application will redirect to item details page

3.3.14 Client Explore Item Under Categories

Task No	CP61
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open application 2. client access main page 3. client select category then the top rated and recommended and offers will Disappear and grid card will be displayed using the following information a. item image b. item name c. item description d. item price e. Order Now Button 4. If client click on Order Now Button the application will redirect to item details page 5. If client click one heart icon the item will added to favorite list
Post Condition	1. No Post Conditions

3.3.15 Client Explore Item Details

Task No	CP62
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client access main page 2. Client press on item image from one of the following area a. Top Rated Panel b. Favorite Page c. Recommended Panel d. Category display grid 3. On details page the following option will displayed a. Item image b. Item Name c. Item Long Description d. item Rate e. item review f. item price g. item price after discount

	h. quantity field i. options list (addition / flavor) j. Add To Cart Button 4. when client click on add to cart button new element will created and placed on cart screen
Post Condition	1. No Post Conditions

3.3.16 Client Add Remove Item From Favorite List

Task No	CP64
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open application 2. Client access main page 3. Client Press on Favorite button 4. system will displayed pre favorite selected element 5. client click on filled heart icon 6. confirmation dialog will appear with message "Are You Sure you want to remove it from favorites ? " 7. if client click yes then item should be removed from list other wise it should Be still exist
Post Condition	1. No Post Conditions

3.3.17 Client Manage Item Cart Quantity

Task No	CP66
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open application 2. Client access main page 3. Client press on cart icon 4. New page should appear with two tab (Cart – History) 5. In Cart Tab The system should displayed the current selected element by a. item image b. item name

	c. price d. current quantity e. minus and plus button to manage quantity if client click on of theme the quantity should be updated by increment 1 or decrement one pieces f. remove button after client slide to left g. if client click on remove button h. confirmation dialog will appear with message "Are You Sure you want to remove it from Carts ? " i. if client click yes then item should be removed from list other wise it should Be still exist 6. In History Page System should display past order by a . Order Id b. Delivery Location c. Total Price d. Order Date e. see Details button (Will show cart item as above) f. reorder (should fill current cart with the same element of the selected order in addition with the current selected order)
Post Condition	1. No Post Conditions

3.3.18 Client Submit (Checkout) Order

Task No	CP68
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open application 2. Client access main page 3. Client press on cart icon 4. on cart tab when there is an element selected floating panel should beappear at the bottom this panel contains of a. sub total b. delivery charge depends on destination between restaurant and client and it should be calculated using the following equation Delivery charge = 0.50 + (0.13 * (destination on km)) c. Discount : depends on available applied discount d. Total Price 5. if client click on place order button application should redirect user to Payment Selection Page and confirm location 6. If client click on change location the system should display all stored location for the current client by (location title , province name , region name)

	7. If client click on add location button new screen should appear with map to let client select custom location then client should click on Set Location the new Screen should appear to let client insert location title and description And province and city then he can click save location 8. when location saved new message should be appear “New Delivery Address Has been Added” 9. Client can Select on of the available payment method the stored method should display it’s type (visa / MasterCard / local wallet) and latest 4 digit with 12 x icon before it and it’s optional title if exist 10 . if client choice add new Card the system should redirect him to new page ask user to fill new card info by the following information a. Holder Name b. Card Number c. Expire Date d. CVC Code 11. Click Save button to store new card in the system 12. When payment done successfully new screen should appear with message “Your Order Done Successfully”
Post Condition	1. No Post Conditions

3.3.19 Client Explore The Latest Notification

Task No	CP77
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open application 2. Client access main page 3. client click on alert icon 4. new floating page should appear with the following tabs (ALL – Unread - Read) to Display notification by the following information a . title b. description c. Date Time d. when click on unread notification it should marked as read
Post Condition	No Post Conditions

3.3.20 Client Track Order

Task No	CP78
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. client open application 2. Client access main page 3. client click on track option 4. The current status of the order is displayed (e.g., "On The Way"). 5. The map shows the real-time location of the delivery hero. 6. The client can view additional details (e.g., delivery time estimate, contact options). 7. The order updates dynamically until it is delivered.
Post Condition	No Post Conditions

3.3.21 Client Communicate with Driver

Task No	CP79
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. The client navigates to the "Track" section. 2. The client selects the option to "Chat with Driver" or "Call Driver". 3. If chatting, the client sends and receives messages in real time. 4. If calling, the client directly connects with the driver via phone. 5. The communication ends when the client receives the necessary updates.
Post Condition	1. When The Order Is Complete Then The Chat should be automatically archived 2. Chat Should be With Boot In The First and Second Project Phase 3. Then It Will enable on driver side

3.3.22 Client Rate Order and Delivery Man

Task No	CP81
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. The client receives a notification or prompt to rate the order after delivery. 2. The client navigates to the "Rate Order" section or sees a rating popup. 3. The client selects a rating (e.g., stars out of 5) and writes optional feedback. 4. The client submits the rating and feedback. 5. A confirmation message appears, and the rating is saved in the system.
Post Condition	No Post Conditions

3.3.23 Client Track Order

Task No	CP83
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. The client navigates to the "Track Order" section in the app. 2. The current order status is displayed (e.g., "Order Placed," "On The Way," or "Delivered"). 3. A real-time map shows the delivery hero's location and estimated time of arrival. 4. The client views additional details, such as the delivery hero's contact information and order summary. 5. The order status updates dynamically until it is marked as "Delivered."
Post Condition	No Post Conditions

3.3.24 Client Logout From Application

Task No	CP85
Environment	Mobile Application
Precondition	1. Installed Application on client device
Main Flow	1. he client navigates to the profile or settings section. 2. The client clicks the "Logout" button. 3. A confirmation prompt appears (optional). 4. The client confirms the logout action. 5. The client is logged out and redirected to the login screen.
Post Condition	No Post Conditions

3.4 Delivery Man Business Scenarios

3.4.1 Captain Sign In

Task No	CP86
Environment	Driver Mobile Application
Precondition	1. Installed Application on driver device 2. Authenticated account as driver
Main Flow	1. client access sign in page 2. client insert email 3. client insert password 4. client click on Login button 5. if client info and credential is correct then new message should appear "Welcome {Client Name}" 6.other wise other message should appear "Incorrect Email or Password"
Post Condition	1. if user logged in then store username and user id in device local storage for the next usage during application run time 2. store the access token also in local storage

3.4.2 Captain Explore The Assigned Order

Task No	CP87
Environment	Driver Mobile Application
Precondition	1. Installed Application on driver device 2. Authenticated account as driver
Main Flow	• The driver logs in to the app and navigates to the "My Trips" or "Assigned Orders" section. • A list of assigned orders for the current trip is displayed (1–5 orders). • The driver selects an order to view its details (e.g., pickup location, drop-off location, customer contact). • The driver can see the order's status (e.g., "Pending," "In Progress") and update it as needed. • The driver repeats this process for all assigned orders during the trip.
Post Condition	1. Captain Should Assigned on 5 Order Maximum at the same Trip 2. Captain Should be able to sort order depends on the nearest destination from his current locations

3.4.3 Captain Start Shipment For Order

Task No	CP90
Environment	Driver Mobile Application
Precondition	1. Installed Application on driver device 2. Authenticated account as driver
Main Flow	• In The My Trips Page • In Pending Order • On the Top Sorted Order Click Start Shipment
Post Condition	Update Order Status to be on The Way / on Shipment Send Notification For Admin and Client With The New Status

3.4.4 Captain Complete Shipment

Task No	CP91
Environment	Driver Mobile Application
Precondition	1. Installed Application on driver device 2. Authenticated account as driver
Main Flow	1. When the driver reach the destination and give the order to client and authenticate user via secret id (number of 4 digit) 2.Order Status should be Completed
Post Condition	1. Inset Rate For Client 2. When The Order Delivered Press Closed Trip

3.4.5 Captain Logout

Task No	CP95
Environment	Driver Mobile Application
Precondition	1. Installed Application on driver device 2. Authenticated account as driver
Main Flow	• he client navigates to the profile or settings section. • The client clicks the "Logout" button. • A confirmation prompt appears (optional). • The client confirms the logout action. • The client is logged out and redirected to the login screen.
Post Condition	No Post Conditions

Chapter 4 : Project Gantt Chart

In Order To Develop this Project We will Divided the Implementation For 10 – 11 Weeks of Work The work load in this period will be separated into mainly 9 – 10 Sprint with 9 Day Duration Average for each Sprint Starting Actually From 15-03-2025

Please See The Following Gantt Chart

Sprint Name	Start Date	End Date
Sprint 1	15-03-2025	21-03-2025
Sprint 2	22-03-2025	28-03-2025
Sprint 3	29-03-2025	04-04-2025
Sprint 4	05-04-2025	11-04-2025
Sprint 5	12-04-2025	18-04-2025
Sprint 6	19-04-2025	25-04-2025
Sprint 7	26-04-2025	02-05-2025
Sprint 8	03-05-2025	09-05-2025
Sprint 9	10-05-2025	16-05-2025
Sprint 10	17-05-2025	23-05-2025
Buffer Sprint	24-05-2025	30-05-2025

Dear Awesome Students at the end please kindly note that at the end this project and all gained experiences during the project development is represent our gift to you to make you stronger and smarter and butter , we may put you under some challenges and pushers but all of this is for you and for your experiences at the end we hope the best for you and you will be always on the memory especially for my

With best wishes for You .

Jasser Khaled Alshaer

Software Engineer

The End