



National University of Computer & Emerging Sciences

Department of Software Engineering

Software Requirements Engineering

In-Class Group Assignment - Fall 2024

Roll No.
215-3732
221-7991
22F-3731

Time allowed: 1 hour

Total Marks: 15

Marks Obtained:

Scenario: Online Food Delivery System

You have been approached by PopularDesiFood chain to help transition to an online food delivery system. Your requirements engineering team agrees to design an Online Food Delivery System (OFDS) that serves three primary user groups: Customers, Restaurant Managers, and Delivery Personnel. The system aims to make the process of ordering, preparing, and delivering food seamless and efficient.

Description of the System:

Customers can browse menus, place orders, and track delivery status in real time. Restaurant managers receive order notifications, update menu availability, and manage operational reports. Delivery personnel can access optimized delivery routes, update order statuses, and receive push notifications about order assignments. The system integrates with third-party services like payment gateways, map APIs, and SMS notification systems.

User Stories

Customer User Stories:

- 1. As a customer, I want to browse restaurant menus categorized by cuisine and price so I can decide what to order.
- 2. As a customer, I want to place an order with multiple items so that I can buy a complete meal in one go.



Instructions for the Activity

Duration: 1 hour

Read the scenario and user stories provided. Can you think from the perspective of customer, restaurant manager/staff, and delivery personnel and add more user stories?

First, add more user stories.

Identify Functional Requirements (FRs) for the system against user stories for each user group.

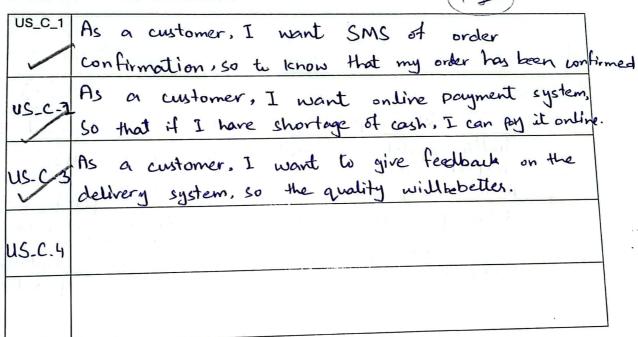
Identify Non-Functional Requirements (NFRs) such as performance, security, and usability etc.

BE CREATIVE! BRAINSTORM!

Use of AI is strictly not allowed. There is a second part to this activity. To ensure that the second part of the activity is successful all requirements must be manually generated.



Additional Customer User Stories:



Additional Restaurant Manager/Staff User Stories:



	As a restaurant manager, I next to view customer feedback, so that I can improve the quality.
4	As a staff member, I want to update the kitchen with special instructions from customers so orders are prepared correctly.
	The state of the s
7	As a restaurant manager, I want to set promotional discounts on specific dishes so that I can attract more
7	As a restaurant manager, I want to set promotional discounts on specific dishes so that I can attract more

Additional Deliver Personnel User Stories:

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US_D_1	As a delivery person, I want to access real-three Traffic updates so that I can choose the
1	fastest routes. As a delivery person, I want to upload proof of delivery so that customer and the restourant have Gonfirmation.
	As a delivery person, I want to receive customes rating for deliveries so i can improve my rating.

4/5

Customer Functional Requirements (FRs)

AC_1 The system shall allow customer to brouse rostourant meny
Cost girized by cuisne. RUS The system shall allow customes to browse restaurant meny
The System shall provide real-time order tracking status for customer.
The system shall enable customer to add multiple Herry
The state system shall enable austoner to add multiple this
The system shall allow customes to apply pours and
7 The system shall allow customer to sur their fathering
restaurant: 8 The system shall allow customer to give feedback to restaurant:
restourant. The shall provide a search feature for dishes or restaurant.
The system shall send notifications to customer about discounts
the system shall display the estimate delivery time before customer place order The system shall sypport secure payment options
13 The system shall allow customer to leak rating for restaurant
R_C_20



Restaurant Staff Functional Requirements (FRs)

R_S_1 The System shoul allow restaurand manager to update
menu items, including prices.
Rs 2 The system shall allow restaurant manager to mark dishes out of stock.
dishes out of stock. R system shall notify restourant manager when new order is placed
The hysten soul 12xxxxxxxx 1 dals + 1 dail
order confirmation for meal preparation The system short general daily weekly sales report for manager.
. The system shall enable restaurant works to
The System shall allow restaurant staff to respond to customer feedback.
The system shall enable restaurant monay to sex
Promotional discounts for menu items The system shall mornitor inventory level and notify manager when stock is low.
to orders based on delivery time.
S_20

[5.5.2	The result of th
R_D_1	The system shall show the best routes for 105
RA 2	The system shall notify delivery personnel about
3	The system shal let delivery personnel update
1	the system shall allow delivery personnel to report.
15	solve problems. customer contact details to
<u></u>	
17	The system shall let delivery personnel upload proof of delivery instructions from automers
2	The system shot let delivery personnel up has estimated delivery time for each order
9	The system will provide live traffic updates.
10	The system will let delivery start contact support for help.
H	The system will dist all deliveres for
<u>-12</u>	The system will alert staff about wrigent orders.
.13	The system will back delivery the staff
1h	The system will show past deliveres.
15	The system will notify staff about cancell orders-
16	The system will allow a shalf shall let delivery
17	The system shall show & delivery schedule below
01-3	The second of addicate to the second
19	he system shall allow delivery personnel to report issues.
R_D_20	Tegor (Issue a





NFR1	102-2 WILKIE 3 SECTION
12	system shoul be able to hardle up to
13	The System shall be able to engure 99.9070 uptime abovarlability to user.
44	System show he able to use encytyption to
5	Interfece should be user-friendly and ease to raviget
6	The system should work on neb browlers and mattiple of mubile alles for and roid and ious devices
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	lass.
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