



National University of Computer & Emerging Sciences

Department of Software Engineering

Software Requirements Engineering

In-Class Group Assignment - Fall 2024

Name	Roll No.
73E 3	
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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:

- 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 Customer User Stories.	1 1/2
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US-C=2 As a customer of 9 want -back so that 9 can give	my opinion.
As a customer, 9 want	to review the feedbacks
US-C-3 As a customer, 9 want g other customers so that 9 c	an judge resturants creadibility
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	so that 4 can confirm payment identity.	
us	As a manager, I want to confirm payment	
· ·	reciverent so that I can verify income	
U)·	-)-3 As a manager, 9 want to assign task to	
	kithen 14 staff so that I can manage work load.	
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	to my loyal customers so that they trust move.	
US-	-5-5 As a manager, 9 want to review feedback	
	from customer so that I can track my progress.	
. (/)	litional Deliver Personnel User Stories:	
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leax US-1	D-2 As a delivery man, I want to show may way	いと
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را	As a delivery man, Amount to see the	
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Customer Functional Requirements (FRs)



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R-C-9 to cancel their allow constances
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Delivery Personnel Functional Requirements (FRs)

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Non-Functional Requirements (NFRs) The system shall process 90%. of user requests 2 seconds under normal load. system shall support up to 10,000 simultaneous Users without without significan performance degradation. The route optimization shall be complete within 5 seconds after deling order anigred. The user interface shall be intotive and early to navigate for all users. ATRS The system shall have an uptime of at attenst 99.9% over a month-period. NFR6 order status updates and notifications shall be delivered within I seconds of my status changes

The system shall use HTTPI

for secure data transmission. NFR8 The system shall governodate invocate traffic during peak Finner. MR9 Error logs shall be genrated and stored for debuggy purpose.