

Software Engineering Mid term



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Study Program:

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1. First we need to analyze our case study using textual analysis.
2. Using preferred application, Determine the actor and the usecase.
3. (in this example we use Visual Paradigm)

"Sarah runs a small bakery and wants to streamline her order fulfillment process. Currently, when a customer places an order, Sarah manually writes down the order details, prepares the baked goods, and then checks the order before giving it to the customer.

To streamline this process, Sarah decides to implement a new order management system. The system will allow customers to place orders online, and Sarah can manage the orders through a dashboard.

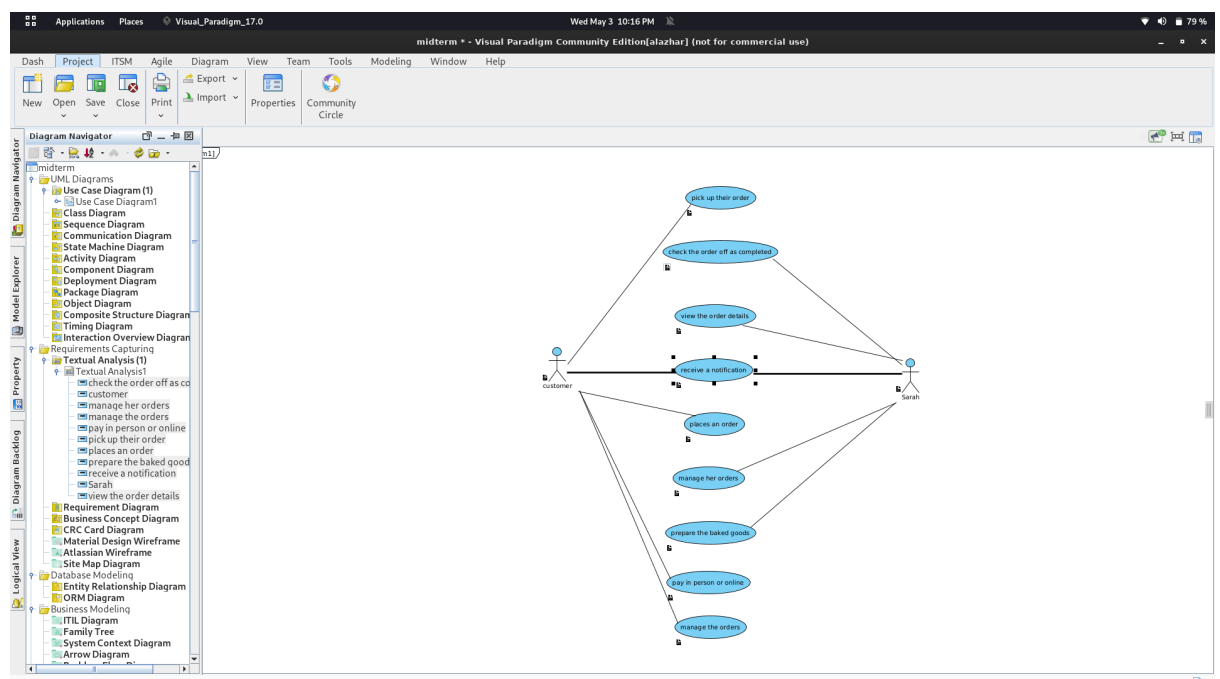
When a customer places an order, the order details will be automatically added to the dashboard, and Sarah will receive a notification. She will then be able to view the order details, prepare the baked goods, and check the order off as completed.

Once the order is completed, the customer will receive a notification that the order is ready for pickup. The customer can then pick up their order and pay in person or online.

With this new order management system in place, Sarah can more efficiently manage her orders, reduce errors, and provide a better customer experience."

No.	Candidate Class	Extracted Text	Type	Description
1	Sarah	Sarah	Generat...	Sarah manage, prepare, and server the orther to the customer
2	customer	customer	Generat...	Customer place their orders
3	places an order	places an order	Generat...	The customer place orders online and fill the order detail
4	manage the orders	manage the orders	Generat...	Sarah manage the orders through a dashboard
5	receive a notification	receive a notification	Generat...	Sarah is notified when a customer places an order and the customers are notified when their are completed
6	view the order details	view the order details	Generat...	Sarah view the order detail to prepare the baked goods
7	prepare the baked goods	prepare the baked goods	Generat...	Sarah prepare the baked goods
8	check the order off as completed	check the order off as completed	Generat...	Sarah mark the order completed after finishing the order
9	manage her orders	manage her orders	Generat...	Sarah can manage her own order
10	pay in person or online	pay in person or online	Generat...	After the order have been completed, the customers are given the option of payment
11	pick up their order	pick up their order	Generat...	The customer can pick up the order using order confirmation pin.

4. Then create the use case diagram



5. Then to create a specification you can right click on the chosen Use Case then click open specification.
6. For this one we choose “view order detail” use case, this is the example table of use case specification

Name	Type	Value	Multiplicity	Stereotype
Priority	Text	Must Have	<Unspecified>	User-Defined
Status	Text	High level of details	<Unspecified>	User-Defined
Pre-condition	Text	Sarah received a order notification	<Unspecified>	User-Defined
Post-condition	Text	Sarah prepare the order	<Unspecified>	User-Defined
Basic Path	Multi-line Text	Sarah open the app'Sarah click...	<Unspecified>	User-Defined
Alternative Path	Multi-line Text	Sarah receive order notification'Sar...	<Unspecified>	User-Defined
Exception Path	Multi-line Text	Sarah remember the order'Sar...	<Unspecified>	User-Defined

Use Case Specification	
Use Case Name	View Order Detail
Actor(s)	Sarah
Summary Description	Sarah can view the order detail from the customer order
Priority	Must Have
Status	High level of details
Pre-condition	Sarah received a order notification
Post-condition	Sarah prepare the order
Basic Path	<ul style="list-style-type: none"> • Sarah open the app • Sarah click order menu • Sarah choose the order • Sarah view the order detail

Alternative Path	<ul style="list-style-type: none"> • Sarah receive order notification • Sarah view the order detail
Exception Path	<ul style="list-style-type: none"> • Sarah didnt get any order • Sarah can't open the app

7. Make the activity diagram

