Team 33

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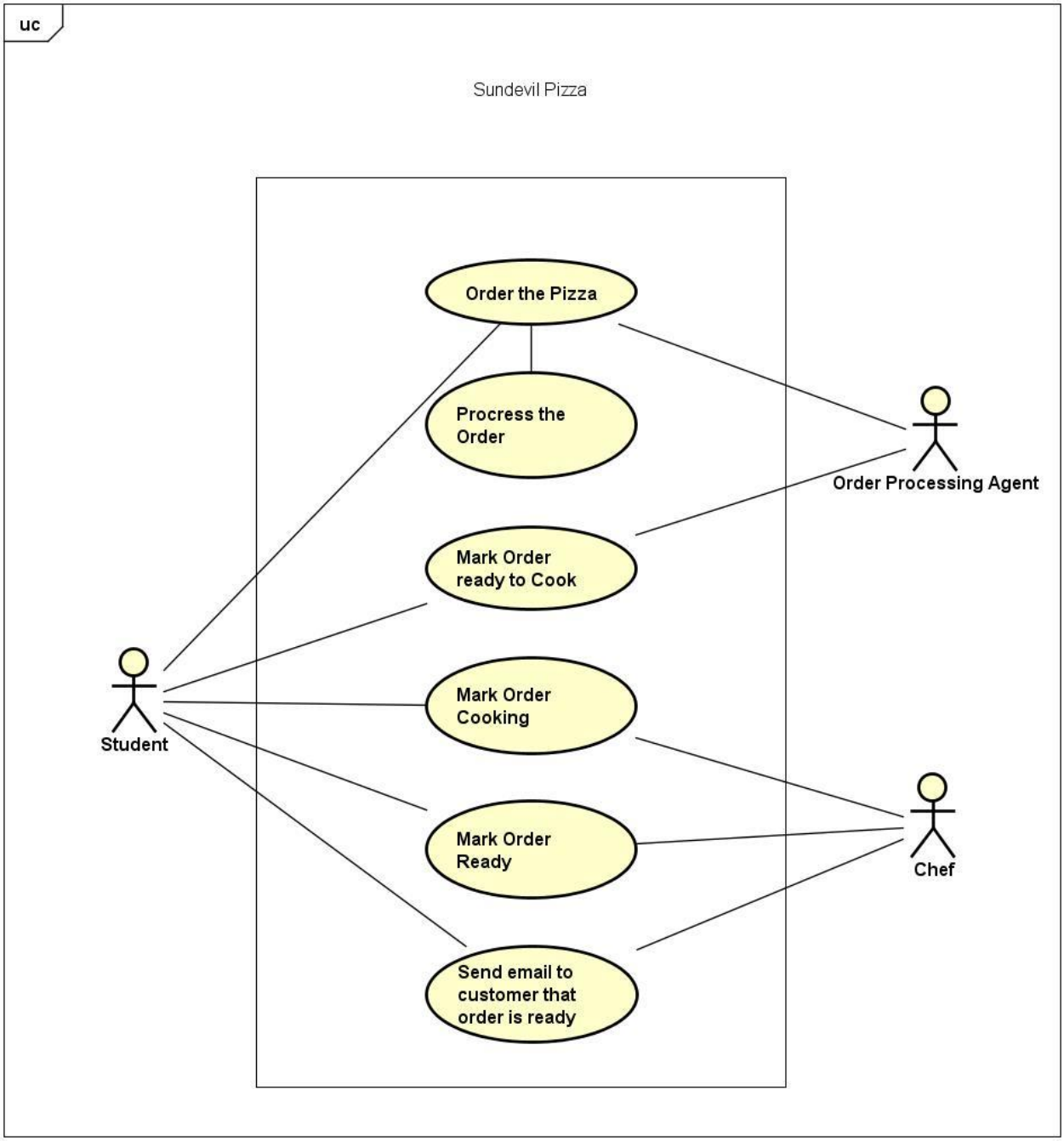
Use Case and Use Case Diagram



Order the Pizza	
Actor	Student
Description	Student order the pizza using Pizza Order System.
Data	Order information, type, topping, pickup time.
Stimulus	Student Action
Response	Order will be created
Comments	If Student Id match from db, then ACCEPTED, else REJECTED Order

Process the Order	
Actor	Order Processing Agent
Description	Process the order from ACCEPTED to READY TO COOK
Data	Order status will be updated to READY_TO_COOK
Stimulus	Order Processing Agent
Response	Order status will be updated to READY TO COOK
Comments	Specific Order status Update

Mark Order Cooking	
Actor	Chef
Description	Process the order from READY TO COOK to COOKING
Data	Order status will be updated to READY_TO_COOK
Stimulus	Chef Action
Response	Order status will be updated to COOKING
Comments	Specific Order status Update

Mark Order READY	
Actor	Chef
Description	Process the order from COOKING to READY
Data	Order status will be updated to READY
Stimulus	Chef Action
Response	Order status will be updated to READY
Comments	Specific Order status Update

Send mail to customer	
Actor	Chef
Description	Send mail to customer that Order is Ready
Data	Mail with Order Information
Stimulus	Chef Action
Response	Mail will be sent
Comments	Customer will receive mail

Object Identification and CRC Diagrams

Student

OrderProcessingAgent

Chef

Order

Pizza

Class : Student	
Description : The Student personal Detail along with orderPizza function	
Responsibilities:	**Collaborators:**
Define personal information	
Manage personal information	
Order Pizza	Order Processing Agent

Class : OrderProcessingAgent	
Description : The OrderProcessingAgent class contains function to move the order from Accepted to Ready to cook State.	
Responsibilities:	**Collaborators:**
Define personal information	
Manage personal information	
Update state of order	Student

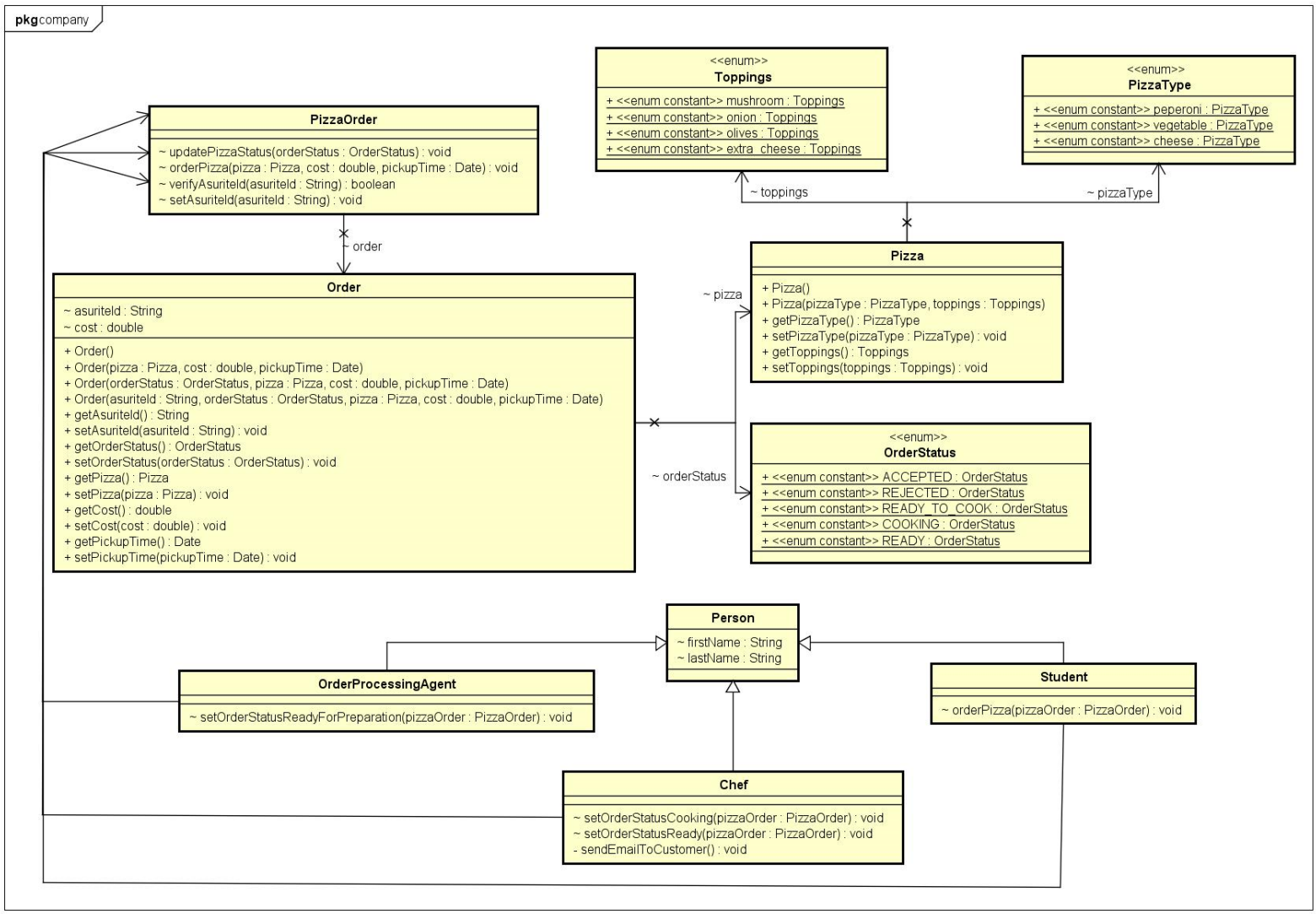
Class : Chef	
Description : The Chef class contains function to move the order from Ready to cook to Cooking and Cooking to ready State.	
Responsibilities:	**Collaborators:**
Define personal information	
Manage personal information	
Update state of order	Student

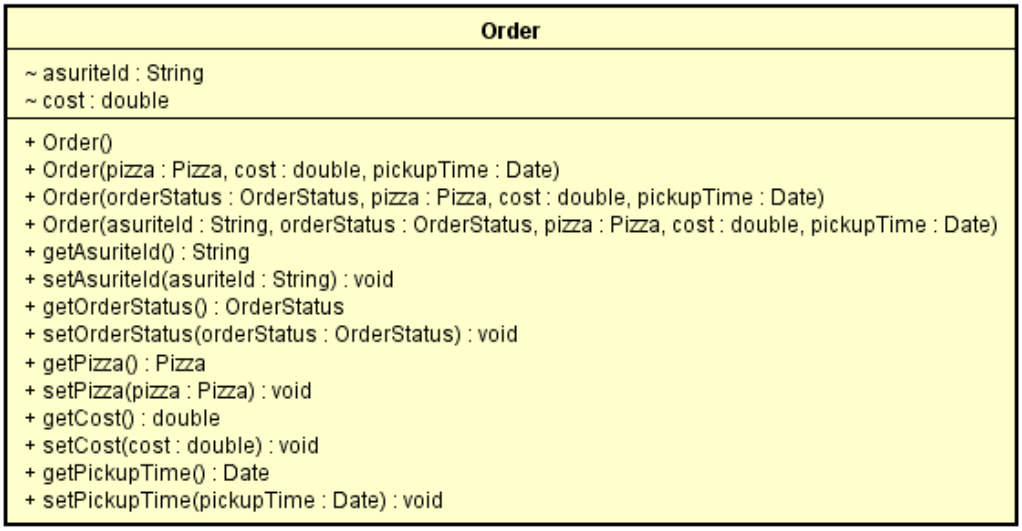
Class : Pizza	
Description : The Pizza class contains type and topping type to define Pizza object.	
Responsibilities:	**Collaborators:**
Define personal information	
Manage personal information	
Create a new Pizza	Order

Class : Order	
Description : The Order class contains methods to create a new Order, like information from student, type, topping, pickup time,asuriteId, cost.	
Responsibilities:	**Collaborators:**
Define personal information	
Manage personal information	
Create Order	Student
Set Adurite Id	Student

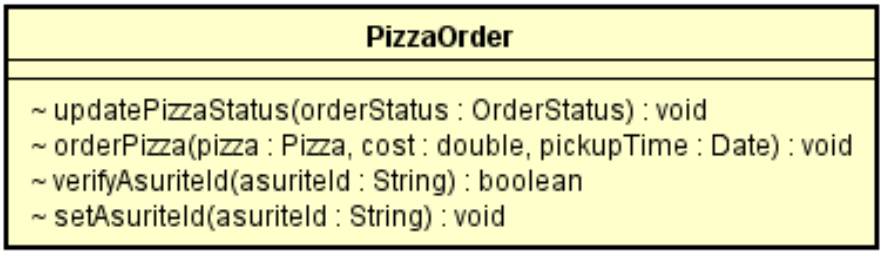
Initial Class Diagrams and Class Descriptions

Class Diagram



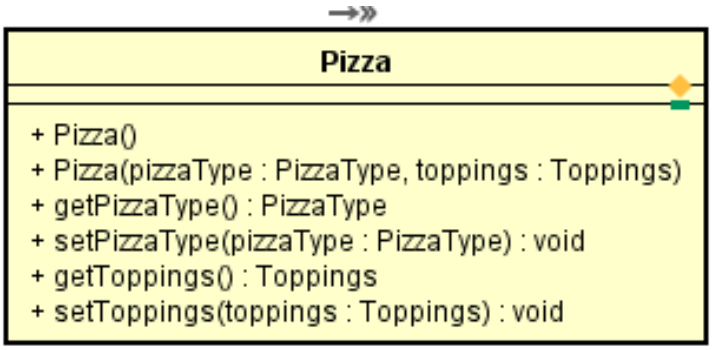


This class diagram is for Order class to create a new Order object using pizza Object, cost and pickupTime. If Student asurite Id is correct then, order status will be set to Accepted else, rejected.



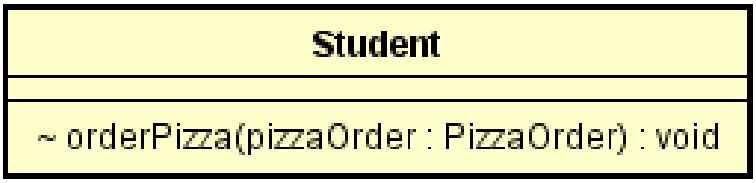
This class is for PizzaOrder, which is like main class to create a new Order Object by Student. All details will be shared by student and will be shared here.

orderPizza will create a new Order, verifyAsuriteId will verify the Id and setAsuriteId will set that verified Id.



This class is Pizza class which will be used for creating Pizza Properties as suggested by Student.

Here we are setting pizzaType and toppings as Enum as we have limited options.

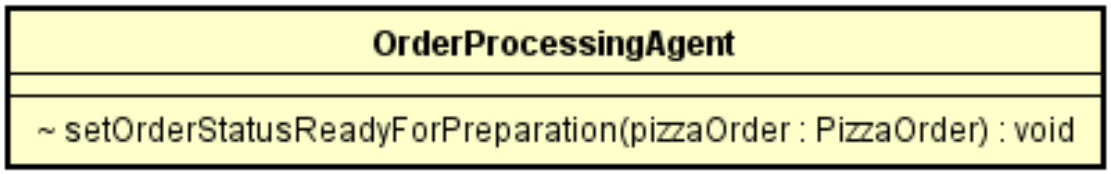


This class diagram is for Student class. Where he can create a new Order using orderPizza Function.

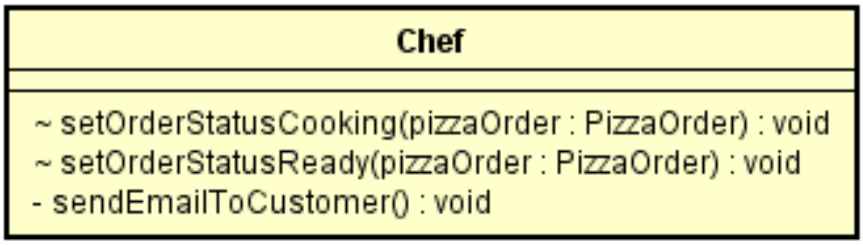
While create new order student will need to pass pizza type, topping and pickupTime, then cost will automatically generate.

Alter sending this he need to send AsuriteId of him, to place the order,

If this Id is incorrect, then order will not placed and Order will be rejected, else order will be accepted.



This class diagram is for Order Processing Agent, where he can change the Order status to Ready for Preparation state after verifying the state of order.



Above class diagram is for Chef, where he can set Order Status to Cooking from Ready for Preparation after verifying the state,

Once the order is cooked, then order will be moved to ready to Ready state and a mail will be send to Customer that his order is ready for pickup.

Test Plan for Functional Testing

Creating Student Account Use Case

Test Case #	Scenario	Expected Output
1	The student enters a password that does not meet the requirement. (The system has requirements for username and a password)	The system will ask the user to enter a valid password.
2	The student enters a username that does not meet the requirement.	The system will ask the user to enter a valid username.
3	The student enters a username and password that meet the requirements.	“The account has created”

Sign in

Test Case #	Scenario	Expected Output
1	The user enters a username that does not exist in the system.	The system will ask the user to enter an existing username
2	The user enters a wrong password.	The user will be asked to enter a valid password.
3	The user enters a valid username and password	The system will prompt the user to the p

Create a new order by student

Test Case #	Scenario	Expected Output
1	The student creates a new Pizza Order with missing some data	The system not go forward without filling those details
2	Student Fill wrong asuriteId	The order will move to Rejected state
3.	Student Placed Order with all correct details	Order will be placed and Status will be set as ACCEPTED

Process the order by Order Processing Agent

Test Case #	Scenario	Expected Output
1	The user check order status is not Accepted.	System will give error and steps will not go forward.
2	Order status is accepted and user want to change status	The system will successfully change the state of order

Process order by Chef

Test Case #	Scenario	Expected Output
1	The user check order status is not Ready for Preparation or Cooking	System will give error and steps will not go forward.
2	Order status is Ready for Preparation and user want to change status	The system will successfully change the state of order to Cooking
3	Order status is Cooking and user want to change status	The system will successfully change the state of order to Ready

Sent a mail to Student after Order ready

Test Case #	Scenario	Expected Output
1	The user tries to send mail to student about Order is ready but order state is not ready.	System will give error and mail will not send.
2	The user tries to send the mail to student when order state is Ready	System will successfully send the mail to student

Credit Sheet:

Team member names	**Contributions**
Faisal Alfawaz	%20 of the work
Mazen Alzahrani	%20 of the work
Waleed Altamimi	%20 of the work
Rakan Al Omairi	%20 of the work
Saleh Alkredes	%20 of the work