

Course code: SE 231

Course Title: System Analysis Design projects

Project Title: DIU Delivery (An instant Delivery System)

Submitted By

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Chapter 1

1.1 Introduction

When I am studying at Daffodil International University, I face a major problem with food and stationery items. For example, after 1 or 2 classes I feel hungry but I couldn't go outside to buy some food due to lack of time because I have another class continuously, and as the campus is so big so we need enough time to go shop and buy and eat some food. The same thing happened for stationery items. When you need stationery items like a pen, pencil or khata emergency but you haven't enough time or energy to go outside. And that problem is not only mine, almost every student's. Even I talked with 20-30 students about that problem and they agree with this. So I found a solution to it. I want to make a software system like a "share & care" system by ordering some food and delivering it.

1.1.2. Objectives

This delivery system is a web application based on share & care services. Our software objective is to give students and teachers food and stationary item services by order and delivery by students and they get part-time voluntary services that will eventually help students on a daily basis with little income. Without login, no user can use any functionality of this system.

This system has mainly 3 types of users.

- 1. System Administrator or Admin
- 2. Teachers
- 3. Students

The list of operations that the system will provide are-

- 1. All users must register and login to use this system.
- 2. Teachers and students both can order food and stationery items.
- 3. Any student can deliver that food or stationery items.

- 4. After delivery of the items students got the items prize and delivery charge as a reward for their voluntary services.
- 5. Based on their behavior they can give ratings to each other.

1.1.3. Scope

Delivery food and stationery items mobile apps allow students and teachers to order food and stationery items in shortage of time. In this mobile application on the home page, there are two sections for students. One is a delivery timeline and the other is ordering. In delivery, they can see if there are any unpicked delivery available or not. So that they can pick a delivery and complete it. In the order section, they can choose their product and order that.

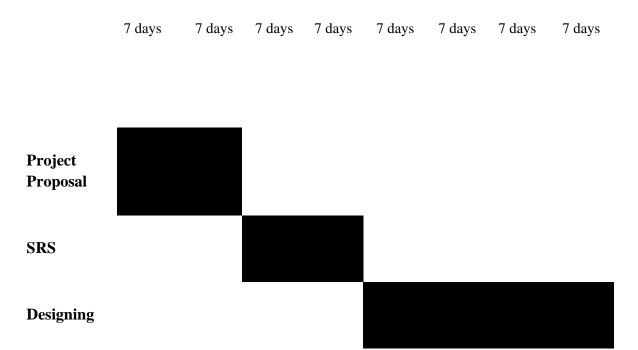
1.1.4. Assumptions and Constraints

As it is a pay and delivery system so no guest is allowed to use this system. Rather if anyone wants to use this system they must verify their ID card via KYC verification. Primarily there is no online payment system so there is no risk about money but later if the online payment system is included then this is a concern.

1.1.5. Dependencies and Risks

The user must have web access to use this system. The main risk behind implementing the project is Order management and security. If someone hacks the system then it will be a messy thing for all. Because in our system money is a major concern. Or if he finds a bug to order food without payment then it will be a disaster too. So in order to make quality software we make sure it's SQA testing and maintenance.

1.2.2 Timescales



1.2.3 Work Distribution

Project Proposal	Md. Mahfuzur Rahman Esmat Jahan Khan Bristi	14 days
Software Requirement Specification	Md. Mahfuzur Rahman Esmat Jahan Khan Bristi	14 days
Software Design	Md. Mahfuzur Rahman Esmat Jahan Khan Bristi	28 days

1.2.1 Deliverables

The following contents will be delivered with the project:

- a) Project CD
 - i. Project Demo
 - ii. User manual along with Tutorial
- b) Documentation

Hardware Requirements		
Processor	RAM	Hard Disk Space
Intel	256 Mb or higher	500 Mb or higher
Software Requirements		
Operating System		Database
For android users they must need version 8 (Oreo) OS minimum and users, they need ios 8 minimum requirements that a GB high-clock-speed processor. The machine must have Windows 7/10/1 along with .NET framework 4 and II	for apple direment. ram and a server land ios	L Server 2008
Browser	Best compatible	e Google Chrome and Safari

Table 1.2.2 Project Resources

1.3. Summary

With hunger we cannot concentrate on our studies. And for the majority of students that's a regular problem. The reason behind this problem is lack of time, continuous class, and long distance to the canteen. When they come to their university to study and they cannot concentrate on their study it's a concerning issue for everyone. So we take the initiative to mitigate this problem. We made a delivery system for students and teachers to order food and other stationery items when they need them.

1.4. References

1. HowTo: Write a project proposal [Online] URL:

https://www.indeed.com/career-advice/career-development/how-to-write-a-project-proposal

2. Foodpanda background case study:

https://www.academia.edu/22424501/Case_Study_on_Foodpanda

3. Case study:

https://www.routee.net/case-studies/foodpanda/

4. Online food delivery services.

https://www.coursehero.com/file/32151321/Case-Study-online-food-deliverypdf/

Chapter 2 REQUIREMENTS

2.1 System Analysis

Systems analysis is a technique for solving problems that breaks down systems into their component parts in order to examine how well those parts function independently and together to achieve the desired outcome. It was decided to use the traditional system development life cycle method because the needs for the software system were predictable. This procedure necessitates the development of software in a methodical, sequential manner, starting at the system level and moving through analysis, design, coding, testing, and maintenance. The stages that all software engineering paradigms must follow. The SDLC(Software Development Life Cycle) is used for the software.

2.2 System Engineering and Analysis

Every time there is a large system, each component must have requirements. Some subsets of these requirements must then be assigned to the software. A system perspective is vital when software needs to communicate with other components like hardware, humans, and databases. With a modest degree of top-level design analysis, requirements collection at the system level is included in system engineering and analysis.

2.3 Requirement Analysis

In systems engineering and software engineering, requirements analysis refers to the processes involved in identifying the requirements that must be satisfied for a new or modified project, taking into account the potentially conflicting requirements of the various stakeholders, as well as analyzing, documenting, validating, and managing software or system requirements. The success of a systems or software project depends on the results of the requirements analysis. The requirements ought to be well-documented, usable, quantifiable, testable, traceable, tied to recognized business opportunities or needs, and sufficiently defined for system design.

2.4 Functional Requirements

No	Functional Requirements	Stakeholder	
1	Registration		
2	Login		
3	Available Items		
4	Search		
5	Add to Cart	Students, Teachers	
6	Order Items		
7	Confirm Order		
8	Cancel Order		
9	Order history		
10	Delivery Timeline		
11	Delivery history	Students	
12	Track order	<u>.</u>	
13	Make Payment	Students, Teachers	
14	User Rating		

15	Give Feedback	
16	Chat System	Students, Teachers, Restaurant Owners
17	Add item	Restaurant Owners

FR001	Registration
Description	Users must register on our system to use this software by providing their university email ID number.
Stakeholder	Students, Teachers
FR002	Login
Description	Both users have to log in before using our system
Stakeholder	Students and teachers
FR003	Available Items
Description	Users can see the food or stationery items that are available at that moment to order
Stakeholder	Students, Teachers
FR004	Search Items
Description	Users can search their items in the search box.
Stakeholder	Students, Teachers

FR005

Description

Add to cart

Users can add their items to the cart.

Stakeholder	Students, Teachers
FR006	Order Food
Description	Users can order their food or stationery item in this function. In this case, they have to choose the quantity of their food or stationery items and the delivery location.
Stakeholder	Students, Teachers

FR07	Confirm order
·	Users must confirm their selected order or cart list by redirecting to the payment section and confirming payment. Before confirming the order, the user must select the location of his/her order. Like: AB4-612, AB1-313
Stakeholder	Students, Teacher

FR008	Cancel order
Description	Students and teachers can cancel the order request before it gets accepted by any students within 2 minutes.
Stakeholder	Students, Teachers

FR009	Order history
Description	Users can view all their previous orders they have been ordered.
Stakeholder	Students, Teachers

FR010	Delivery Timeline
Description	In this timeline section, Students can see all available orders which have to be delivered now.
Stakeholder	Students

FR011	Delivery history
-------	------------------

Description	Students can see all the previous deliveries they have delivered.
Stakeholder	Students

FR012	Track order	
Description	Users can track their orders.	
Stakeholder	Students, Teacher	

FR013	Make payment			
Description	After delivery, they have to pay the money for the order. They can pay by cash or by online banking with a cashout charge.			
Stakeholder	Students, Teacher			

FR014	ser Rating			
Description	Users can rate Customers and delivery volunteers on their behavior and product delivery time.			
Stakeholder	Students, Teacher			

FR015	Give Feedback			
Description	Users can give feedback or suggestions about their experience with the system.			
Stakeholder	Students, Teacher			

FR016	Chat system
Description	A chat system is integrated between the user and delivery volunteer when an order is pending between them. It's to find the perfect location or any request from the delivery volunteer.
Stakeholder	Students, Teacher, Restaurant Owners

FR017	Add item	
Description	If a new Item comes on food or stationery items then the admin can add it to the bucket of the list for better user experience	
Stakeholder	Restaurant Owners	

2.5 Non-Functional Requirements

Reliability and Availability

The system has to be reliable so that users feel safe about their data. The system must be available around the clock to support smooth operations for many users at a time. This system must update regularly.

Speed, Latency, and Operational Requirements

This requirement specify a performance characteristic of a system or system component. The system requires a fair amount of speed, especially while browsing because on pickup time so many users use this system to order and deliver. This system must have the ability to handle so many users. While the user browses the system, the landing page will show within seconds. It also depends on the user's internet connection.

Quality and Acceptance Requirements

These Requirements define how to meet the physical and cognitive needs of the intended users of your website or application. The system is easy to use and can easily be understood.

Interface Requirements

The interface requirements describe the intended spirit, the mood, or the style of the product's appearance. These requirements specify the intention of the appearance. This requirement does not only define the necessity to use a css but also the requirements regarding the css's content as well as css frameworks like bootstrap and javascript.

Safety and Security Requirements

As this is a delivery system software and money is the currency that we use to deliver from one side to another side so security is a major concern of this system.

Verification Requirements

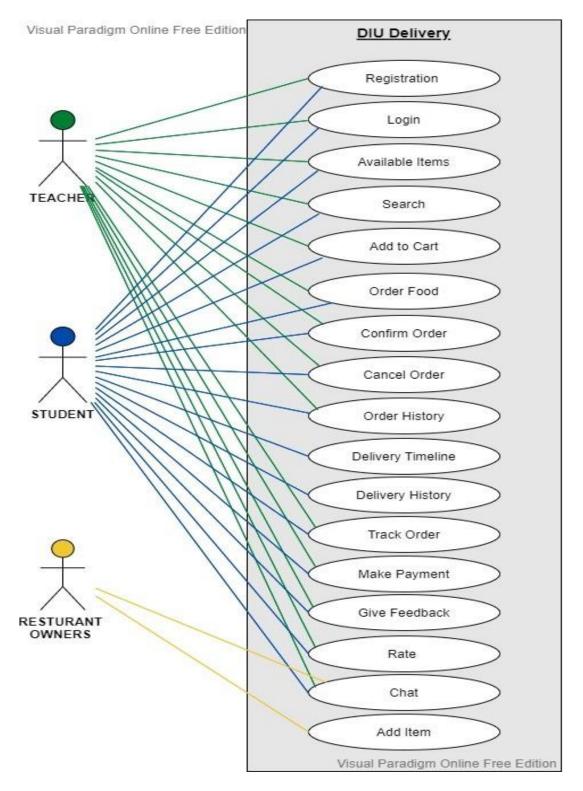
For our user identity verification requirements are necessary to make sure they are students or teachers of Daffodil International University.

Maintainability Requirements

As this is an online base mobile application so it needs regular maintenance for smooth and secure performance. So that the system is not down on pickup time.

<u>Chapter 3</u> System Analysis with Diagram

3.1 Use case diagram



3.2 Use case description

3.2.1 Registration

Use Case	Registration			
Goal	To use system features, users must log in, and to log in, they have to register			
<a longer="" of="" statement="" th="" the<=""><th colspan="4">first.</th>	first.			
goal in context if needed>				
Preconditions				
<what expect="" is<="" th="" we=""><th></th><th></th></what>				
already the state of the				
world>				
Success End Condition	1.	Users have a unique daffodil mail address.		
<the of="" state="" th="" the="" world<=""><th>2.</th><th>Users have a valid student ID card or teacher ID card.</th></the>	2.	Users have a valid student ID card or teacher ID card.		
upon successful				
completion>				
Failed End Condition	1.	Email or password is not valid.		
<the if<="" of="" p="" state="" the="" world=""></the>		Email is already used		
goal abandoned>		The student or teacher ID card is not valid.		
Primary Actors:		and Students		
7 1010101				
Secondary Actors:				
Trigger	Signup	request comes in.		
<pre><the action="" pre="" the<="" upon=""></the></pre>	Oigilap i	oquost comoc iii.		
system that starts use				
case>				
Description / Main	Step	Action		
Success Scenario	1	User clicks on the Signup button to create a new user account.		
<the from<="" p="" scenario="" steps=""></the>	2	User fill-ups all empty boxes.		
trigger to goal delivery and	2.1	Fill up the full name box.		
any clean-up after>	2.1	Fill up the mail address box.		
any oldan up altor	2.2	Fill up the student or teacher ID box.		
	2.3	Fill up the user name box.		
	2.5	Fill up the phone number box.		
	2.6	Fill up the phone number box. Fill up the password box by providing a new password.		
	2.7	Fill up the confirm password box by rewriting the given password		
	2.1			
	3	User clicks on the DONE button to complete creating an account.		
	4	Users are registered.		
Alternative Flows <a: causing<="" condition="" th=""><th>Step</th><th>Branching Action</th></a:>	Step	Branching Action		
branching>	2.6a	Do not set password properly		
<a1: action="" name="" of<="" or="" td=""><td>2.6a1</td><td>Set password properly</td></a1:>	2.6a1	Set password properly		
sub-use case>				
Quality Requirements	Step	Requirement		
	3	Users need a stable good internet connection to complete registration		
	3.1	Users get 180 seconds time to complete registration after triggering the signup button.		

3.2.2 <u>Login</u>

Use Case	Login		
Goal	To use system features and deliver and order, users must log in to the system.		
<a longer="" of="" statement="" th="" the<=""><th></th><th></th>			
goal in context if needed>			
Preconditions	Users r	must be registered.	
<what expect="" is<="" th="" we=""><th></th><th></th></what>			
already the state of the			
world>			
Success End Condition	User fil	Ils up the sign-in form with a registered email and authentic password.	
<the of="" state="" th="" the="" world<=""><th>Succes</th><th>sfully logged in. Users see an order menu or delivery menu.</th></the>	Succes	sfully logged in. Users see an order menu or delivery menu.	
upon successful			
completion>			
Failed End Condition		The user is not registered yet.	
<the if<="" of="" state="" th="" the="" world=""><td></td><td>Email or password is not valid.</td></the>		Email or password is not valid.	
goal abandoned>		Login Timeout	
Primary Actors:	Teache	er and Students	
Secondary Actors:			
Trigger	Login r	equest comes in.	
<the action="" th="" the<="" upon=""><th></th><th></th></the>			
system that starts use			
case>			
D ' (' / 14 '	-	A 45	
Description / Main	Step	Action	
Success Scenario	-		
Success Scenario <the of="" scenario<="" steps="" th="" the=""><th>Step 1</th><th>User sees email and password entry box</th></the>	Step 1	User sees email and password entry box	
Success Scenario <the from="" goal<="" of="" scenario="" steps="" th="" the="" to="" trigger=""><th>1</th><th>User sees email and password entry box</th></the>	1	User sees email and password entry box	
Success Scenario <the and="" any="" clean-up<="" delivery="" from="" goal="" of="" scenario="" steps="" th="" the="" to="" trigger=""><th>1 1.1</th><th>User sees email and password entry box User enter a valid email</th></the>	1 1.1	User sees email and password entry box User enter a valid email	
Success Scenario <the from="" goal<="" of="" scenario="" steps="" th="" the="" to="" trigger=""><th>1.1 1.2</th><th>User sees email and password entry box User enter a valid email User enter a valid password</th></the>	1.1 1.2	User sees email and password entry box User enter a valid email User enter a valid password	
Success Scenario <the and="" any="" clean-up<="" delivery="" from="" goal="" of="" scenario="" steps="" th="" the="" to="" trigger=""><td>1 1.1</td><td>User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create</td></the>	1 1.1	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create	
Success Scenario <the and="" any="" clean-up<="" delivery="" from="" goal="" of="" scenario="" steps="" th="" the="" to="" trigger=""><th>1.1 1.2 2</th><th>User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button.</th></the>	1.1 1.2 2	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button.	
Success Scenario <the and="" any="" clean-up<="" delivery="" from="" goal="" of="" scenario="" steps="" th="" the="" to="" trigger=""><th>1.1 1.2</th><th>User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create</th></the>	1.1 1.2	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create	
Success Scenario <the and="" any="" clean-up<="" delivery="" from="" goal="" of="" scenario="" steps="" th="" the="" to="" trigger=""><td>1 1.1 1.2 2 2.1</td><td>User sees email and password entry box User enter a valid email user enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button</td></the>	1 1.1 1.2 2 2.1	User sees email and password entry box User enter a valid email user enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button	
Success Scenario <the and="" any="" clean-up<="" delivery="" from="" goal="" of="" scenario="" steps="" th="" the="" to="" trigger=""><th>1.1 1.2 2</th><th>User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button.</th></the>	1.1 1.2 2	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button.	
Success Scenario <the and="" any="" clean-up<="" delivery="" from="" goal="" of="" scenario="" steps="" th="" the="" to="" trigger=""><th>1 1.1 1.2 2 2.1 3</th><th>User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage.</th></the>	1 1.1 1.2 2 2.1 3	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage.	
Success Scenario <the after="" and="" any="" clean-up="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger=""></the>	1 1.1 1.2 2 2.1	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage. Branching Action	
Success Scenario <the after="" and="" any="" clean-up="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger=""> Alternative Flows</the>	1 1.1 1.2 2 2.1 3	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage.	
Success Scenario <the after="" and="" any="" clean-up="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger=""> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" name="" of<="" or="" th=""><th>1 1.1 1.2 2 2.1 3</th><th>User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage. Branching Action If a user forgets a password then he can trigger the forget password</th></a1:></a:></the>	1 1.1 1.2 2 2.1 3	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage. Branching Action If a user forgets a password then he can trigger the forget password	
Success Scenario <the after="" and="" any="" clean-up="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger=""> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" case="" name="" of="" or="" sub-use=""></a1:></a:></the>	1 1.1 1.2 2 2.1 3 Step 1.2.a	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage. Branching Action If a user forgets a password then he can trigger the forget password button. A new page came to reset the password.	
Success Scenario <the after="" and="" any="" clean-up="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger=""> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" name="" of<="" or="" th=""><td>1 1.1 1.2 2 2.1 3 Step 1.2.a</td><td>User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage. Branching Action If a user forgets a password then he can trigger the forget password button.</td></a1:></a:></the>	1 1.1 1.2 2 2.1 3 Step 1.2.a	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage. Branching Action If a user forgets a password then he can trigger the forget password button.	
Success Scenario <the after="" and="" any="" clean-up="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger=""> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" case="" name="" of="" or="" sub-use=""></a1:></a:></the>	1 1.1 1.2 2 2.1 3 Step 1.2.a 1.2.b	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage. Branching Action If a user forgets a password then he can trigger the forget password button. A new page came to reset the password. Requirement	
Success Scenario <the after="" and="" any="" clean-up="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger=""> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" case="" name="" of="" or="" sub-use=""></a1:></a:></the>	1 1.1 1.2 2 2.1 3 Step 1.2.a	User sees email and password entry box User enter a valid email User enter a valid password Under email and password box users will see a login button and create a new account button. User clicks login button User sees a new homepage. Branching Action If a user forgets a password then he can trigger the forget password button. A new page came to reset the password.	

3.2.3 Available Items

Use Case	Availa	Available Items		
Goal	Customers can see the available items in the canteen and stores of DIU.			
<a longer="" of="" statement="" td="" the<=""><td></td><td></td>				
goal in context if needed>				
Preconditions	Customers must go to the order section			
<what expect="" is<br="" we="">already the state of the</what>				
world>				
Success End Condition	If item	ns are available, then users see the available items.		
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>				
upon successful	User	sees the available items with their prices.		
completion>				
Failed End Condition	User	is not logged in yet.		
<the if<="" of="" p="" state="" the="" world=""></the>				
goal abandoned> Primary Actors:	Stude	inte Taachare		
Filliary Actors.	Students, Teachers			
Secondary Actors:				
Trigger				
<the action="" td="" the<="" upon=""><td></td><td></td></the>				
system that starts use				
case> Description / Main	Ste	Action		
Success Scenario	p	ACTION		
<the of="" p="" scenario<="" steps="" the=""></the>	1	Users logged into the system.		
from trigger to goal				
delivery and any clean up	2	Users view the home screen which shows available items, search box,		
after>		cart, etc.		
Alternative Flows	Ste	Branching Action		
<a: causing<="" condition="" td=""><td>р</td><td></td></a:>	р			
branching>	3a			
<a1: action="" case="" name="" of="" or="" sub="" use=""></a1:>	3a1			
Quality Requirements	Ste	Requirement		
	p	Llears need a stable good internet connection to use the system		
	I	Users need a stable good internet connection to use the system.		

3.2.4 **SEARCH**

Use Case	Searc	Search			
Goal	Customers will be able to search for items they want.				
<a longer="" of="" statement="" td="" the<=""><td colspan="3"></td>					
goal in context if needed>					
Preconditions	Customers must be logged in to the system.				
<what expect="" is<="" td="" we=""><td></td><td></td></what>					
already the state of the					
world>					
Success End Condition	Searc	hed item is successfully found.			
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>					
upon successful					
completion>					
Failed End Condition	1.	Searched item is not found because of a spelling mistake.			
<the if<="" of="" state="" td="" the="" world=""><td>2.</td><td>Searched item is not available in the system.</td></the>	2.	Searched item is not available in the system.			
goal abandoned>		·			
Primary Actors:	Stude	nts, Teachers			
Secondary Actors:					
Trigger	Searc	h request comes in.			
<the action="" td="" the<="" upon=""><td></td><td></td></the>					
system that starts use					
case>					
Description / Main	Ste	Action			
Success Scenario	р				
<the from<="" scenario="" steps="" td=""><td>1</td><td>Click on the Search icon or box.</td></the>	1	Click on the Search icon or box.			
trigger to goal delivery and	2	Write the name of the item the user wants to search.			
any clean-up after>	3	Click on the enter button to start searching.			
	4	If the item is available, it will be shown on the screen to the user.			
Alternative Flows	Ste	Branching Action			
<a: causing<="" condition="" td=""><td>р</td><td></td></a:>	р				
branching>	2a	Name is not correct.			
<a1: action="" name="" of<="" or="" td=""><td></td><td></td></a1:>					
sub use case>	2a1	Set the correct name.			
Quality Requirements	Ste	Requirement			
	р				
	3	Users need a stable good internet connection to search for items.			
	4	Users need to wait for a maximum of 10 seconds time to see if the			
		searched item is found after triggering the enter button.			
	1				

3.2.5 Add to Cart

Use Case	Add to	o Cart	
Goal	Users can select and add that selected item or items to the cart.		
<a longer="" of="" statement="" td="" the<=""><td></td><td></td>			
goal in context if needed> Preconditions	Viow	itams and soloat and or more itams	
<pre><what expect="" is<="" pre="" we=""></what></pre>	View items and select one or more items.		
already the state of the			
world>			
Success End Condition	Item o	or items added to cart	
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>			
upon successful			
completion> Failed End Condition	ltono a	or items failed to be added to the cart	
<pre>the state of the world if</pre>	item c	or items falled to be added to the cart	
goal abandoned>			
Primary Actors:	Stude	ents, Teachers	
,			
Secondary Actors:			
Trigger	Users will request the system to add items or items to cart.		
<the action="" td="" the<="" upon=""><td></td><td></td></the>			
system that starts use case>			
Description / Main	Ste	Action	
Success Scenario	p	A Control of the Cont	
<the from<="" scenario="" steps="" td=""><td>1</td><td>Click on food or stationery item</td></the>	1	Click on food or stationery item	
trigger to goal delivery and	2	Click on the Cart icon of that food or stationery item if you want to add that	
any clean-up after>		to the cart	
A1, 41 E1	3	Food or stationery item added on the cart.	
Alternative Flows <a: causing<="" condition="" td=""><td>Ste</td><td>Branching Action</td></a:>	Ste	Branching Action	
branching>	p 2a	Dld not add an item to cart	
<a1: action="" name="" of="" or="" sub<="" td=""><td></td><td></td></a1:>			
use case>	2a1	Select item and click on Cart icon to add it to cart	
Quality Requirements	Ste	Requirement	
	р		
	2	Users need a stable good internet connection to add items on the cart.	
	3	Users need to wait for a maximum of 5 seconds to see if the item is added	
		on the cart after triggering the cart icon or button.	

3.2.6 Order Items

Use Case	Order	ood or Stationery Item
Goal		ners will order food or stationery item from the selected items in the cart
<a longer="" of="" statement="" td="" the<=""><td>Custon</td><td>ners will order lood or stationery item from the selected items in the bart</td>	Custon	ners will order lood or stationery item from the selected items in the bart
goal in context if needed>		
Preconditions	Food o	r the stationery item is added to the cart.
<pre><what expect="" is<="" pre="" we=""></what></pre>	1 000 0	The stationery horn is added to the bart.
already the state of the		
world>		
Success End Condition	Food o	r the stationery item is ordered.
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>		
upon successful		
completion>		
Failed End Condition	1.	Food or stationery item is not in the cart
<the if<="" of="" p="" state="" the="" world=""></the>	2.	Quantity not entered.
goal abandoned>		
Primary Actors:	Studer	ts, Teachers
Secondary Actors:	0 1	
Trigger	Order	Food request comes in.
<the action="" p="" the<="" upon=""></the>		
system that starts use case>		
Description / Main	Step	Action
Success Scenario	Otep	Action
<the from<="" p="" scenario="" steps=""></the>	1	User clicks on the cart icon.
trigger to goal delivery and		Soli silono di trio carticori.
any clean-up after>	1.1	Before ordering, users have to make sure they have what they want to
		order in the cart.
	2	Provide the quantity of the items in the cart to order.
	3.	Click on the Order button to place an order.
	4	Order of feed or stationers items is all = = = -!
	4	Order of food or stationery item is placed.
Alternative Flows	Step	Branching Action
<a: causing<="" condition="" td=""><td>1.1a</td><td>Item is not on the cart</td></a:>	1.1a	Item is not on the cart
branching>	1.1a1	Add item in the cart
<a1: action="" name="" of<="" or="" td=""><td>2a</td><td>Did not set the quantity</td></a1:>	2a	Did not set the quantity
sub-use case>	2a1	Set the quantity
Quality Requirements	Step	Requirement
	3	Users need a stable, good internet connection to order food or stationery
		items.
	4	Users need to wait for a maximum of 5 seconds time to see if the order
		is placed after triggering the Order button.

3.2.7 Confirm Order

Use Case	Confir	m Order		
Goal	Custo	Customers will be able to confirm the order after providing the delivery location		
<a longer="" of="" statement="" td="" the<=""><td></td><td colspan="3"></td>				
goal in context if needed>				
Preconditions	To co	infirm the order, customers have to order food first		
<what expect="" is<="" td="" we=""><td></td><td></td></what>				
already the state of the				
world>				
Success End Condition	Food	or stationery item order confirmed.		
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>				
upon successful				
completion>				
Failed End Condition	Confir	mation denied because the requirements are fulfilled		
<the if<="" of="" p="" state="" the="" world=""></the>				
goal abandoned>				
Primary Actors:	Stude	nts, Teachers		
Secondary Actors:				
Trigger	Custo	mers send confirmation order requests to confirm their order.		
<the action="" td="" the<="" upon=""><td></td><td colspan="3">·</td></the>		·		
system that starts use				
case>				
Description / Main	Ste	Action		
Success Scenario	р			
<the of="" scenario<="" steps="" td="" the=""><td>1</td><td>After an order is placed, the user has to provide the location of delivering</td></the>	1	After an order is placed, the user has to provide the location of delivering		
from trigger to goal		the order.		
delivery and any clean-up	1.1	Fill in the building name.		
after>	1.2	Fill in the floor number.		
	1.3	If users want, they can fill in the optional box to provide more information.		
	2.	Click on the Confirm button to confirm that order for delivery.		
	3.	Order is confirmed.		
Alternative Flows	Ste	Branching Action		
<a: causing<="" condition="" td=""><td>р</td><td></td></a:>	р			
branching>	1a	User did not give the location properly		
<a1: action="" name="" of<="" or="" td=""><td>101</td><td>Cat the legation property</td></a1:>	101	Cat the legation property		
sub use case>	1a1	Set the location properly		
Quality Requirements	Ste	Requirement		
	р	1		
	2	Users need a stable good internet connection to confirm an order.		
	3	Users need to wait for a maximum of 5 seconds time to see if the order is		
		placed after triggering the Confirm button.		

3.2.8 Cancel Order

Use Case	Cance	el Order		
Goal		mers can cancel the order within 2 minutes of confirming the order if it is		
<a longer="" of="" statement="" td="" the<=""><td>alread</td><td colspan="3">already not accepted by a volunteer.</td>	alread	already not accepted by a volunteer.		
goal in context if needed>				
Preconditions	Food	or stationery item order needs to be confirmed.		
<what expect="" is<="" td="" we=""><td></td><td></td></what>				
already the state of the				
world>	l			
Success End Condition	Food	or stationery item order is canceled.		
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>				
upon successful				
completion>	4	The Oracle for Care Particles and		
Failed End Condition		The 2 minutes time limit is over.		
<the if<="" of="" p="" state="" the="" world=""></the>	2.	Food or stationery item order is already accepted.		
goal abandoned>	Ctuda	nto Tanahara		
Primary Actors:	Sidde	nts, Teachers		
Secondary Actors:				
Trigger	Custo	Customers send cancellation order requests to cancel their order.		
<pre><the action="" pre="" the<="" upon=""></the></pre>	Cusio	mers send cancellation order requests to cancel their order.		
system that starts use				
case>				
Description / Main	Ste	Action		
Success Scenario	р			
<the of="" scenario<br="" steps="" the="">from trigger to goal</the>	1	After confirming an order, customers will be shown a Cancel order screen.		
delivery and any clean up	1.1	Order is not accepted by a volunteer, so the customer can click on the		
after>		Cancel button to cancel that order within two minutes.		
	2	Order is canceled		
Alternative Flows	Ste	Branching Action		
<a: causing<="" condition="" td=""><td>р</td><td></td></a:>	р			
branching> <a1: action="" name="" of<="" or="" td=""><td>2a</td><td>Order not canceled</td></a1:>	2a	Order not canceled		
sub use case>	2a1	Click on the cancel button		
Quality Requirements	Ste	Requirement		
	р			
	1.1	Users need a stable good internet connection to cancel an order.		
	2	Users need to wait for a maximum of 5 seconds time to see if the order is		
		canceled after triggering the Cancel button.		

3.2.9 Order History

Use Case	Order	History	
Goal	Custo	Customers can view the previous order they made.	
<a longer="" of="" statement="" td="" the<=""><td></td><td colspan="2"></td>			
goal in context if needed>			
Preconditions	Food	or stationery items are ordered and delivered.	
<what expect="" is<="" td="" we=""><td></td><td></td></what>			
already the state of the			
world>	_		
Success End Condition	Succe	essfully shown the Order History.	
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>			
upon successful			
completion>	—	I to all a lifts A class I Paters	
Failed End Condition <the if<="" of="" state="" td="" the="" world=""><td>Falled</td><td>to show the Order History</td></the>	Falled	to show the Order History	
goal abandoned> Primary Actors:	Stude	nto Topohoro	
Primary Actors.	Stude	Students, Teachers	
Secondary Actors:			
Trigger	Order History request comes in.		
<pre><the action="" pre="" the<="" upon=""></the></pre>	Oraci	Thotory request comes in.	
system that starts use			
case>			
Description / Main	Ste	Action	
Success Scenario	р		
<the of="" scenario<="" steps="" td="" the=""><td>1</td><td>Customers have to click on the Order History icon to see the date</td></the>	1	Customers have to click on the Order History icon to see the date	
from trigger to goal		and time of an order that was delivered to them.	
delivery and any clean-up	1.1	Customers can also see the previous order list and the place they	
after>		ordered from.	
Alternative Flows	Ste	Branching Action	
<a: causing<="" condition="" td=""><td>р</td><td>3</td></a:>	р	3	
branching>	1a	Did not click on Order History icon	
<a1: action="" name="" of<="" or="" td=""><td></td><td>·</td></a1:>		·	
sub-use case>	1a1	Click on the icon to view order history	
Quality Requirements	Ste	Requirement	
	р		
	1	Users need a stable good internet connection to see the Order History	

3.2.10 **Delivery Timeline**

Use Case	Delive	ery Timeline		
Goal	Stude	nts can pick any order of customers based on their suitable location.		
<a longer="" of="" statement="" td="" the<=""><td></td><td></td>				
goal in context if needed>				
Preconditions	Must I	Must log in as a delivery volunteer.		
<what expect="" is<="" th="" we=""><th></th><th></th></what>				
already the state of the				
world>				
Success End Condition		mers must order an item.		
<the of="" state="" td="" the="" word<=""><td>They</td><td>got a notification of an order is pending in the timeline</td></the>	They	got a notification of an order is pending in the timeline		
upon successful				
completion>				
Failed End Condition	Failed	I to show the Delivery Timeline because there is no order in the timeline.		
<pre><the if<="" of="" pre="" state="" the="" world=""></the></pre>				
goal abandoned>				
Primary Actors:	Stude	nts		
Sacandamy Actores				
Secondary Actors:	Dieku	un request compa in the clicking you are assigned for that delivery		
Trigger	PICK U	p request comes in. by clicking, you are assigned for that delivery.		
<the action="" p="" starts="" system="" that="" the="" upon="" use<=""></the>				
case>				
Description / Main	Ste	Action		
Success Scenario	p	Action		
<the of="" p="" scenario<="" steps="" the=""></the>	1	First Login as a student .		
from trigger to goal				
	2	After login users see two different sections		
	2 1	After login, users see two different sections. One is the Order section to order other one is the delivery timeline to		
delivery and any clean up after>	2.1	One is the Order section to order other one is the delivery timeline to		
delivery and any clean up	2.1	One is the Order section to order other one is the delivery timeline to pickup delivery		
delivery and any clean up	2.1	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come.		
delivery and any clean up	2.1 2.2 3	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time.		
delivery and any clean up	2.1	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order		
delivery and any clean up	2.1 2.2 3	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.		
delivery and any clean up after> Alternative Flows	2.1 2.2 3 4.	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order		
delivery and any clean up after> Alternative Flows	2.1 2.2 3 4.	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.		
delivery and any clean up after> Alternative Flows <a: a="" causing<="" condition=""></a:>	2.1 2.2 3 4. Ste p	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.		
delivery and any clean up after> Alternative Flows <a: branching="" causing="" condition=""></a:>	2.1 2.2 3 4. Ste p	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.		
delivery and any clean up after> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" name="" of<="" or="" td=""><td>2.1 2.2 3 4. Ste p 3a 3a1</td><td>One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.</td></a1:></a:>	2.1 2.2 3 4. Ste p 3a 3a1	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.		
delivery and any clean up after> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" name="" of<="" or="" td=""><td>2.1 2.2 3 4. Ste p 3a 3a1 4a</td><td>One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.</td></a1:></a:>	2.1 2.2 3 4. Ste p 3a 3a1 4a	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.		
delivery and any clean up after> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" name="" of<="" or="" td=""><td>2.1 2.2 3 4. Ste p 3a 3a1 4a 4a1</td><td>One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.</td></a1:></a:>	2.1 2.2 3 4. Ste p 3a 3a1 4a 4a1	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.		
delivery and any clean up after> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" name="" of<="" or="" td=""><td>2.1 2.2 3 4. Ste p 3a 3a1 4a 4a1 7a</td><td>One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.</td></a1:></a:>	2.1 2.2 3 4. Ste p 3a 3a1 4a 4a1 7a	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request.		
delivery and any clean up after> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" case="" name="" of="" or="" sub="" use=""></a1:></a:>	2.1 2.2 3 4. Ste p 3a 3a1 4a 4a1 7a 7a1	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request. Branching Action		
delivery and any clean up after> Alternative Flows <a: branching="" causing="" condition=""> <a1: action="" case="" name="" of="" or="" sub="" use=""></a1:></a:>	2.1 2.2 3 4. Ste p 3a 3a1 4a 4a1 7a 7a1 Ste	One is the Order section to order other one is the delivery timeline to pickup delivery Their preferred location is close, delivery comes first, then others come. Every Student will see the same order request at the same time. When a student clicks pick up he has to be assigned to deliver that order request. Branching Action		

3.2.11 **Delivery History**

Use Case	Delive	ery History		
Goal	Volun	Volunteered students can view the previous order they delivered		
<a longer="" of="" statement="" td="" the<=""><td></td><td colspan="3"></td>				
goal in context if needed>		an atation and thomas are and and all the and		
Preconditions <what expect="" is<="" td="" we=""><td>Food</td><td>or stationery items are ordered and delivered.</td></what>	Food	or stationery items are ordered and delivered.		
<pre><what already="" expect="" is="" of="" pre="" state="" the="" the<="" we=""></what></pre>				
world>				
Success End Condition	Succe	essfully showed delivery history		
<the of="" state="" td="" the="" world<=""><td></td><td>, ,</td></the>		, ,		
upon successful				
completion>				
Failed End Condition	Failed	I to show the Delivery History		
<the if<="" of="" p="" state="" the="" world=""></the>				
goal abandoned>	Ctudo	0. 1		
Primary Actors:	Stude	Students		
Secondary Actors:				
Trigger	Delivery History request comes in.			
<the action="" td="" the<="" upon=""><td></td><td></td></the>				
system that starts use				
case>	01-	Ascon		
Description / Main Success Scenario	Ste p	Action		
<the of="" p="" scenario<="" steps="" the=""></the>	1	Volunteered students have to click on the Delivery History icon to		
from trigger to goal		see the date and time of an order they delivered to customers.		
delivery and any clean-up	1.1	Students can also see the previous order list and the place the		
after>		order was made		
Alternative Flows	Ste	Branching Action		
<a: causing<="" condition="" td=""><td>p</td><td></td></a:>	p			
branching>	1a	Did not click on Delivery History icon		
<a1: action="" name="" of<="" or="" td=""><td><u> </u></td><td>, , ,</td></a1:>	<u> </u>	, , ,		
sub-use case>	1a1	Click on the icon to view delivery history		
Quality Requirements	Ste	Requirement		
	р			
	1	Users need a stable good internet connection to see the Delivery History		

3.2.12 Track Order

Use Case	Track	Order
Goal	To tra	ck a placed order till it is delivered.
<a longer="" of="" statement="" td="" the<=""><td colspan="2"></td>		
goal in context if needed>		
Preconditions	Must	place an order first.
<what expect="" is<="" td="" we=""><td></td><td></td></what>		
already the state of the		
world>		
Success End Condition	Succe	essfully tracked an order.
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>		
upon successful		
completion>		
Failed End Condition	Failed	to track the Order.
<the if<="" of="" state="" td="" the="" world=""><td></td><td></td></the>		
goal abandoned>		
Primary Actors:	Stude	nts, Teachers
Secondary Actors:		
Trigger	Track	Order request comes in.
<the action="" td="" the<="" upon=""><td></td><td>·</td></the>		·
system that starts use		
case>		
Description / Main	Ste	Action
Success Scenario	р	
<the of="" p="" scenario<="" steps="" the=""></the>	1	After an order is placed, customers will be shown on screen the track of
from trigger to goal		that order.
delivery and any clean up	1.1	The preparation of the order.
after>	1.2	The pick-up of the order.
	1.3	The delivery of the order.
	2	After delivery is done, tracking of the order is complete
Alternative Flows	Ste	Branching Action
<a: causing<="" condition="" td=""><td>р</td><td></td></a:>	р	
branching>	3a	
<a1: action="" name="" of<="" or="" td=""><td>3a1</td><td></td></a1:>	3a1	
sub use case>	4a	
	4a1	
	7a	
	7a1	
Quality Requirements	Ste	Requirement
,,	р	•
	1	Users need a stable good internet connection to track the Order
	· -	

3.2.13 Make Payment

Use Case	Make	Payment		
Goal	After (getting the delivery of their own order of customer he/she has to pay the bill		
<a longer="" of="" statement="" td="" the<=""><td>of the</td><td colspan="2">of their items.</td>	of the	of their items.		
goal in context if needed>				
Preconditions	Custo	mers must order a product.		
<what expect="" is<="" td="" we=""><td></td><td></td></what>				
already the state of the				
world>				
Success End Condition	Paym	ent successfully received.		
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>				
upon successful				
completion>				
Failed End Condition		Due to a poor internet connection I failed to make payment.		
<pre><the if<="" of="" pre="" state="" the="" world=""></the></pre>	2.	•		
goal abandoned>	3.			
Primary Actors:	Stude	nts, Teachers		
Secondary Actors:				
Trigger	Make	Payment request comes in when order is in the near door.		
<the action="" td="" the<="" upon=""><td></td><td></td></the>				
system that starts use				
case>	01-	A - C		
Description / Main Success Scenario	Ste	Action		
<the of="" p="" scenario<="" steps="" the=""></the>	p	First login into the system.		
from trigger to goal	2	Then go to the order section. In the beginning, the customer sees the last		
delivery and any clean up	2	order. Besides the order, there is a red color popup button for payment.		
after>	2	Click the red payment button it will redirect to the online payment system		
a.co.r	3	After payment the red button turns into a green button.		
Alternative Flows	Ste			
		Branching Action		
<a: branching="" causing="" condition=""></a:>	р 3а			
<a1: action="" name="" of<="" or="" td=""><td></td><td></td></a1:>				
sub use case>	3a1			
Sub use case/	4a			
	4a1			
	7a			
0 111 0	7a1			
Quality Requirements	Ste	Requirement		
	р	Consulate all the assessed before times at		
	1	Complete all the processes before timeout.		

3.2.14 Give Feedback

Use Case	Give F	- eedback		
Goal	Custo	Customers can comment on the system		
<a longer="" of="" statement="" td="" the<=""><td></td><td colspan="3"></td>				
goal in context if needed>				
Preconditions				
<what expect="" is<="" td="" we=""><td></td><td></td></what>				
already the state of the				
world>				
Success End Condition	Succe	essfully gave feedback		
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>				
upon successful				
completion>				
Failed End Condition	Failed	to give feedback		
<the if<="" of="" p="" state="" the="" world=""></the>				
goal abandoned>				
Primary Actors:	Stude	nts, Teachers		
Secondary Actors:				
Trigger	A Fee	dback request comes in.		
<the action="" td="" the<="" upon=""><td></td><td colspan="2">•</td></the>		•		
system that starts use				
case>				
Description / Main	Ste	Action		
Success Scenario	р			
<the of="" scenario<="" steps="" td="" the=""><td>1</td><td>Customer clicks on the Comment button .</td></the>	1	Customer clicks on the Comment button .		
from trigger to goal				
delivery and any clean up	2	Customers can write about their complaint or compliment about the		
after>		system		
	3	After writing, they click on the Enter button.		
	4	Feedback is given		
Alternative Flows	Ste	Branching Action		
<a: causing<="" condition="" td=""><td>р</td><td></td></a:>	р			
branching>	3a	Did not click Enter button		
<a1: action="" name="" of<="" or="" td=""><td>3a1</td><td>Click Enter button</td></a1:>	3a1	Click Enter button		
sub use case>	Jai	CHOK LINE DUNOT		
Quality Requirements	Ste	Requirement		
	р			
	2	Users need a stable good internet connection to give feedback		

3	Users need to wait for a maximum of 5 seconds time to see if feedback is
	given after triggering Enter button

3.2.15 Rate

Customers can rate the system	Use Case	Rate		
Rate request comes in.		Custo	Customers can rate the system	
Preconditions An order is delivered first. An order is delivered first. An order is delivered first. Success End Condition 				
<what already="" expect="" is="" of="" state="" the="" we="" world=""> Success End Condition <the completion="" of="" state="" successful="" the="" upon="" world=""> Failed End Condition <the abandoned="" goal="" if="" of="" state="" the="" world=""> Primary Actors: Secondary Actors: Trigger <the action="" case="" starts="" system="" that="" the="" upon="" use=""> Description / Main Success Scenario Kate request comes in. Description / Success Scenario Main Success Scenario After an order is delivered, customers will get a rating option on the system to rate the order delivery and any clean up after> Alternative Flows Ste Branching Action</the></the></the></what>				
already the state of the world> Success End Condition -the state of the world upon successful completion> Failed End Condition -the state of the world if goal abandoned> Primary Actors: Secondary Actors: Trigger -the action upon the system that starts use case> Description / Main Success Scenario -the steps of the scenario from trigger to goal delivery and any clean up after> Alternative Flows Success Full vated the system Successfully rated the system Failed to rate Failed to rate Atter request comes in.	Preconditions	An ord	der is delivered first.	
Success End Condition Success Full Condition Successfully rated the system Failed End Condition Failed to rate Failed to rate Students, Teachers Secondary Actors: Rate request comes in. Trigger Rate request comes in. Che action upon the system that starts use case> Ste Description / Main Success Scenario After an order is delivered, customers will get a rating option on the system to rate the order 2 Customers will get 1 to 5 stars on which they can click according to their satisfaction. 3 After clicking on the star, customers will click on the RATE button Alternative Flows Ste Branching Action	•			
Success End Condition <pre></pre>				
<the completion="" of="" state="" successful="" the="" upon="" world=""> Failed End Condition</the>				
upon successful completion> Failed End Condition 4the state of the world if goal abandoned> Failed to rate Primary Actors: Students, Teachers Secondary Actors: Trigger 4the action upon the system that starts use case> Rate request comes in. Description / Main Success Scenario 4the steps of the scenario from trigger to goal delivery and any clean up after> 1 After an order is delivered, customers will get a rating option on the system to rate the order 2 Customers will get 1 to 5 stars on which they can click according to their satisfaction. 3 After clicking on the star, customers will click on the RATE button 4 Rating is done Alternative Flows Ste Branching Action		Succe	essfully rated the system	
Failed End Condition Failed to rate				
Failed End Condition <the abandoned="" goal="" if="" of="" state="" the="" world=""> Primary Actors: Secondary Actors: Trigger <the action="" case="" starts="" system="" that="" the="" upon="" use=""> Description / Main Success Scenario <the after="" and="" any="" clean="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger="" up=""> Alternative Flows Failed to rate Students, Teachers Rate request comes in. Action p 1</the></the></the>	•			
<the abandoned="" goal="" if="" of="" state="" the="" world=""> Primary Actors: Secondary Actors: Trigger Rate request comes in. Pescription / Main Success Scenario Ste point of the steps of the scenario from trigger to goal delivery and any clean up after> Alternative Flows Students, Teachers Rate request comes in. Action put After an order is delivered, customers will get a rating option on the system to rate the order 2 Customers will get 1 to 5 stars on which they can click according to their satisfaction. 3 After clicking on the star, customers will click on the RATE button Alternative Flows Ste Branching Action</the>				
Secondary Actors: Students, Teachers		Failed	to rate	
Secondary Actors: Students, Teachers				
Secondary Actors: Trigger <the action="" case="" starts="" system="" that="" the="" upon="" use=""> Description / Main Success Scenario Ste Action p 1 After an order is delivered, customers will get a rating option on the system to rate the order delivery and any clean up after> After clicking on the star, customers will click on the RATE button Alternative Flows Rate request comes in. Rate request comes in.</the>				
Trigger <the action="" case="" starts="" system="" that="" the="" upon="" use=""> Description / Main Success Scenario Ste point of the steps of the scenario from trigger to goal delivery and any clean up after> After an order is delivered, customers will get a rating option on the system to rate the order Customers will get 1 to 5 stars on which they can click according to their satisfaction. After clicking on the star, customers will click on the RATE button Alternative Flows Rate request comes in. Action Description / Main Ste point point</the>	Primary Actors:	Stude	nts, Teachers	
Trigger <the action="" case="" starts="" system="" that="" the="" upon="" use=""> Description / Main Success Scenario Ste point of the steps of the scenario from trigger to goal delivery and any clean up after> After an order is delivered, customers will get a rating option on the system to rate the order Customers will get 1 to 5 stars on which they can click according to their satisfaction. After clicking on the star, customers will click on the RATE button Alternative Flows Rate request comes in. Action Description / Main Ste point point</the>				
cthe action upon the system that starts use case> Description / Main Success Scenario cthe steps of the scenario from trigger to goal delivery and any clean up after> After an order is delivered, customers will get a rating option on the system to rate the order 2 Customers will get 1 to 5 stars on which they can click according to their satisfaction. 3 After clicking on the star, customers will click on the RATE button Alternative Flows Ste Branching Action				
system that starts use case> Description / Main Success Scenario <the after="" and="" any="" clean="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger="" up=""> After an order is delivered, customers will get a rating option on the system to rate the order Customers will get 1 to 5 stars on which they can click according to their satisfaction. After clicking on the star, customers will click on the RATE button Alternative Flows Ste Branching Action</the>		Rate	request comes in.	
Description / Main Success Scenario Ste p Description / Main Success Scenario After an order is delivered, customers will get a rating option on the system to rate the order delivery and any clean up after> After an order is delivered, customers will get a rating option on the system to rate the order Customers will get 1 to 5 stars on which they can click according to their satisfaction. After clicking on the star, customers will click on the RATE button Alternative Flows Ste Branching Action				
Description / Main Ste puccess Scenario	system that starts use			
Success Scenario <the after="" and="" any="" clean="" delivery="" from="" goal="" of="" scenario="" steps="" the="" to="" trigger="" up=""> After an order is delivered, customers will get a rating option on the system to rate the order Customers will get 1 to 5 stars on which they can click according to their satisfaction. After clicking on the star, customers will click on the RATE button Alternative Flows Ste Branching Action</the>				
After an order is delivered, customers will get a rating option on the system to rate the order Customers will get 1 to 5 stars on which they can click according to their satisfaction. After clicking on the star, customers will click on the RATE button Alternative Flows Ste Branching Action		Ste	Action	
from trigger to goal delivery and any clean up after> System to rate the order 2 Customers will get 1 to 5 stars on which they can click according to their satisfaction. 3 After clicking on the star, customers will click on the RATE button 4 Rating is done				
delivery and any clean up after> 2		1		
after>			,	
4 Rating is done Alternative Flows Ste Branching Action		2		
4 Rating is done Alternative Flows Ste Branching Action		3		
Alternative Flows Ste Branching Action			, , , , , , , , , , , , , , , , , , , ,	
3		4	Rating is done	
3				
<a: causing="" condition="" p="" td="" ="" <=""><td></td><td>Ste</td><td>Branching Action</td></a:>		Ste	Branching Action	
	3	р		
branching> 2a Did not click on a star				
<a1: 2a1="" a="" action="" click="" name="" of="" on="" or="" star<="" td=""><td></td><td></td><td></td></a1:>				
sub use case> 3a Did not click on Rate button	sub use case>	3a	Did not click on Rate button	
3a1 Click on Rate button		3a1	Click on Rate button	
Quality Requirements Ste Requirement	Quality Requirements	Ste	Requirement	
p		•		
2,3 Users need a stable good internet connection to rate.		2,3	Users need a stable good internet connection to rate.	

3.2.16 Chat

Use Case	Chat			
Goal	Custo	Customers will be able to chat on the system with the volunteered student for		
<a longer="" of="" statement="" td="" the<=""><td>delive</td><td>ry during an order</td>	delive	ry during an order		
goal in context if needed>				
Preconditions	Custo	mers have to place an order first		
<what expect="" is<="" td="" we=""><td></td><td></td></what>				
already the state of the				
world>				
Success End Condition	Chat i	s done successfully.		
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>				
upon successful				
completion>				
Failed End Condition	Failed	I to chat		
<the if<="" of="" state="" td="" the="" world=""><td></td><td></td></the>				
goal abandoned>	0. 1			
Primary Actors:	Students, Teachers, Restaurant Owners			
Sacardamy Astoney				
Secondary Actors:	Chet very seet comes in			
Trigger <the action="" td="" the<="" upon=""><td>Chat</td><td>request comes in.</td></the>	Chat	request comes in.		
<the action="" p="" starts="" system="" that="" the="" upon="" use<=""></the>				
case>				
Description / Main	Ste	Action		
Success Scenario	p	Action		
<the of="" scenario<="" steps="" td="" the=""><td>1</td><td>After an order is placed and picked up by a volunteer student, a delivery</td></the>	1	After an order is placed and picked up by a volunteer student, a delivery		
from trigger to goal		chat option will be available.		
delivery and any clean up	2	Customer and delivery person can click on the Chat button		
after>				
	2.1	Users can write in the text section.		
	3	After delivery, the chat option is closed.		
Alternative Flows	Ste	Branching Action		
<a: causing<="" condition="" td=""><td>р</td><td></td></a:>	р			
branching>	2a	Did not click on the Chat button		
<a1: action="" name="" of<="" or="" td=""><td>0-1</td><td>Olish and the Ohet heater</td></a1:>	0-1	Olish and the Ohet heater		
sub use case>	2a1	Click on the Chat button		
	1			

Quality Requirements	Ste	Requirement
	р	
	4	Users need a stable, good internet connection to chat.

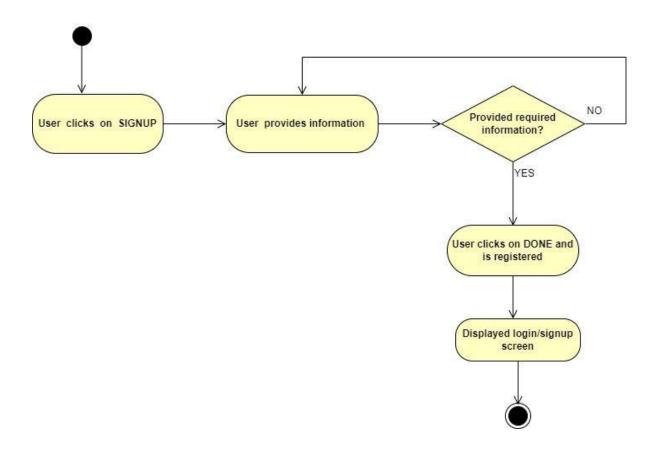
3.2.17 <u>Add Item</u>

Use Case	Add Item		
Goal	Restaurant owners can add new items to the system.		
<a longer="" of="" statement="" td="" the<=""><td></td><td></td>			
goal in context if needed>			
Preconditions			
<what expect="" is<="" td="" we=""><td></td><td></td></what>			
already the state of the			
world>			
Success End Condition	Successfully added an item with a name, price, and picture.		
<the of="" state="" td="" the="" world<=""><td></td><td></td></the>			
upon successful			
completion>	Fallad	to add on item	
Failed End Condition <the if<="" of="" state="" td="" the="" world=""><td>railed</td><td>to add an item</td></the>	railed	to add an item	
goal abandoned>			
Primary Actors:	Restaurant Owners		
7101010	rtootaa	ilan ownord	
Secondary Actors:			
Trigger	Add item request comes in.		
<the action="" td="" the<="" upon=""><td></td><td></td></the>			
system that starts use			
case>			
Description / Main	Step	Action	
Success Scenario	1	Click on the Add item button.	
<the of="" p="" scenario<="" steps="" the=""></the>	1.1	Fill up the name box of the item	
from trigger to goal	1.2	Fill up the price box of the item	
delivery and any clean-up after>	1.3	Upload an image of the item in JPG format.	
aitei>		Click on the ADD button.	
Alfano Elana	3	Items are added on the system.	
Alternative Flows <a: causing<="" condition="" td=""><td>Step</td><td>Branching Action</td></a:>	Step	Branching Action	
<a: branching="" causing="" condition=""></a:>	1.1a	Did not fill name box	
<a1: action="" name="" of<="" or="" td=""><td>1.1a1</td><td>Fill up the name box</td></a1:>	1.1a1	Fill up the name box	
sub use case>	1.2a	Did not fill price box	
	1.2a1	Fillup price box	
	1.3a	Did not upload an image of item	
	1.3a1	Upload an image of item	
	2a	Did not click ADD button	
Overlite Beneding as as to	2a1	Click ADD button	
Quality Requirements	Step	Requirement	

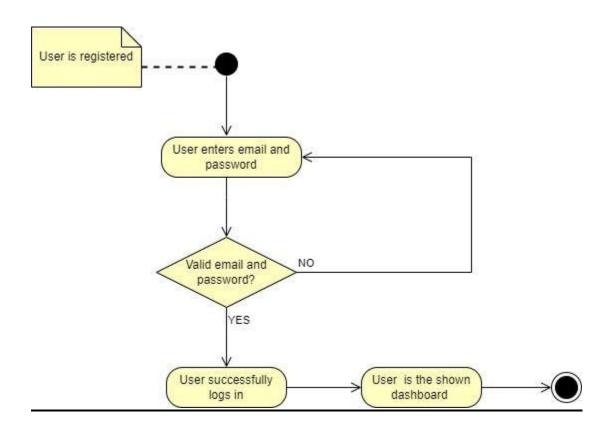
1	Users need a stable good internet connection to add an item.
2	Users need to wait for a maximum of 10 seconds to see if an item is
	added after triggering the ADD button.

3.3 Activity Diagram

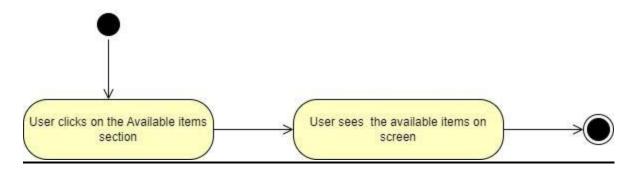
• Registration



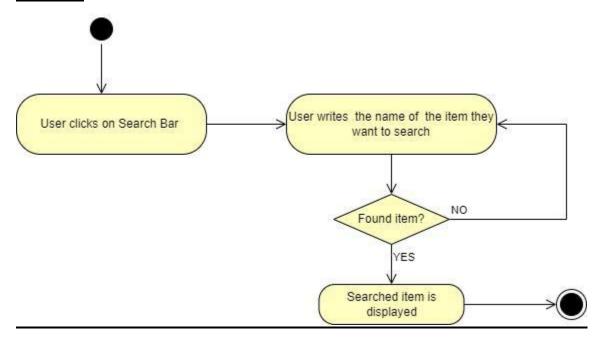
• Login



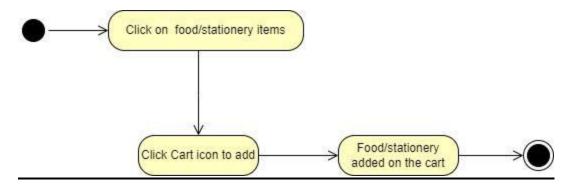
• Available Items



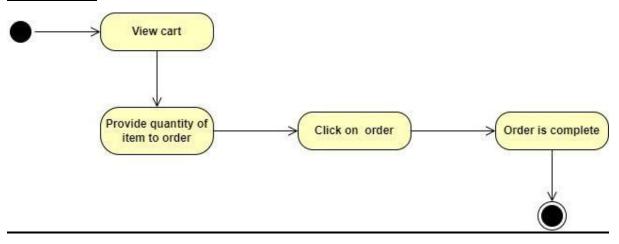
• SEARCH



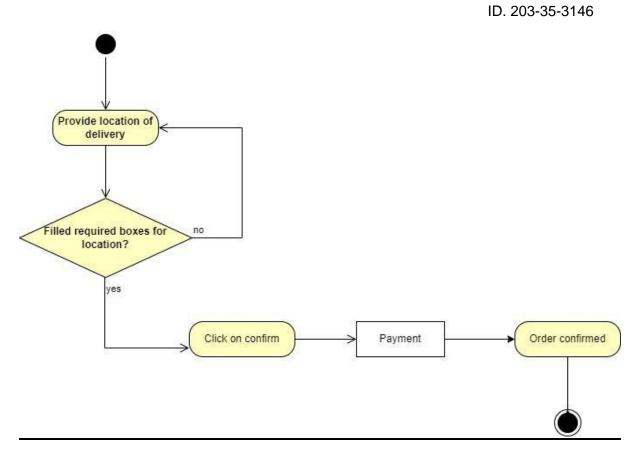
Add to Cart



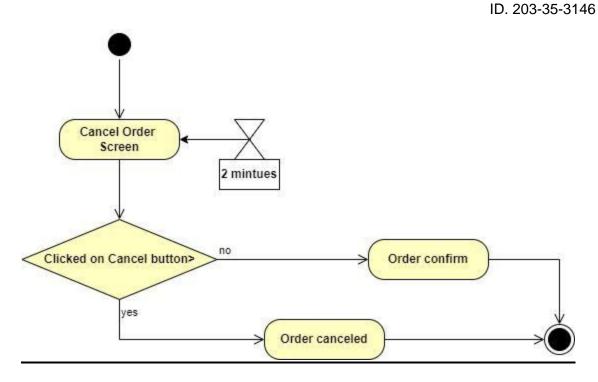
• Order Items



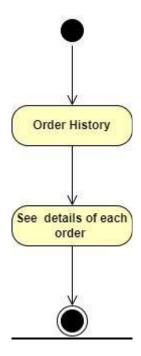
• Confirm Order



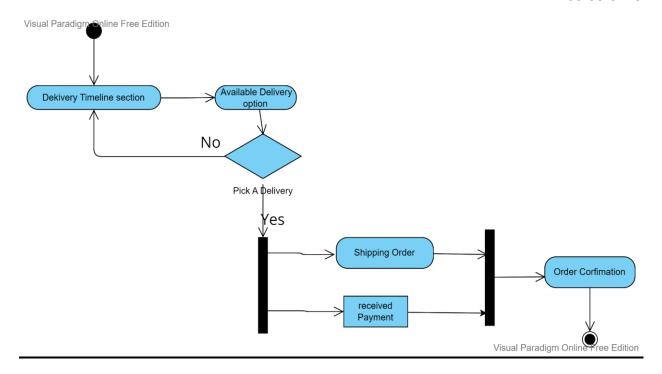
• Cancel Order



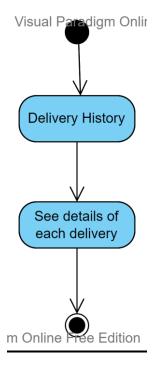
Order History



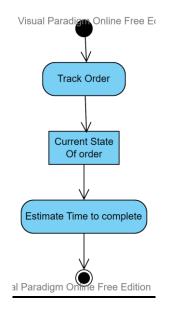
• Delivery Timeline



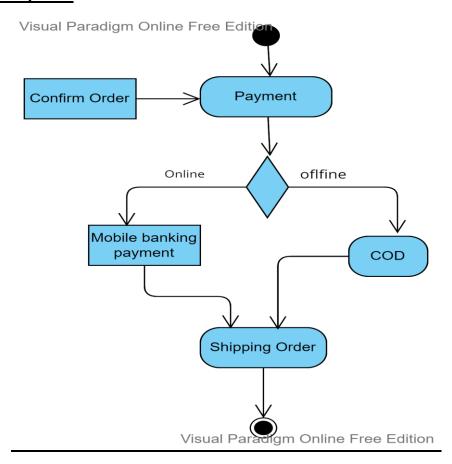
• Delivery History



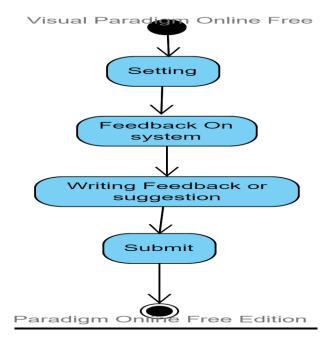
• Track Order



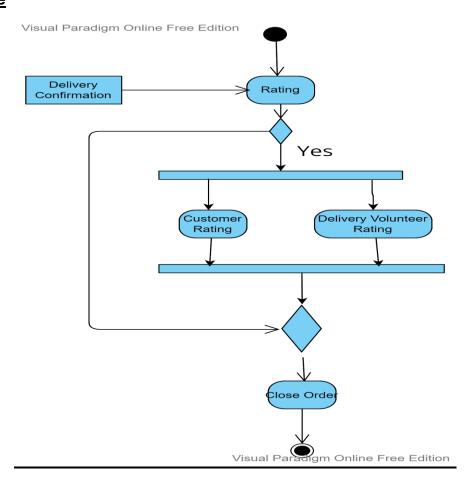
Make Payment



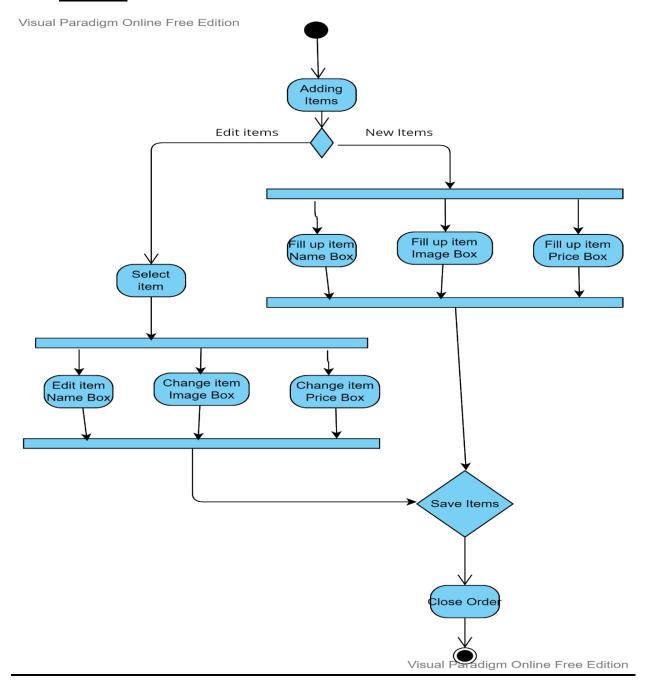
• Give Feedback



• Rate



• Add Item



3.4 ERD Diagram

Our primary actors are

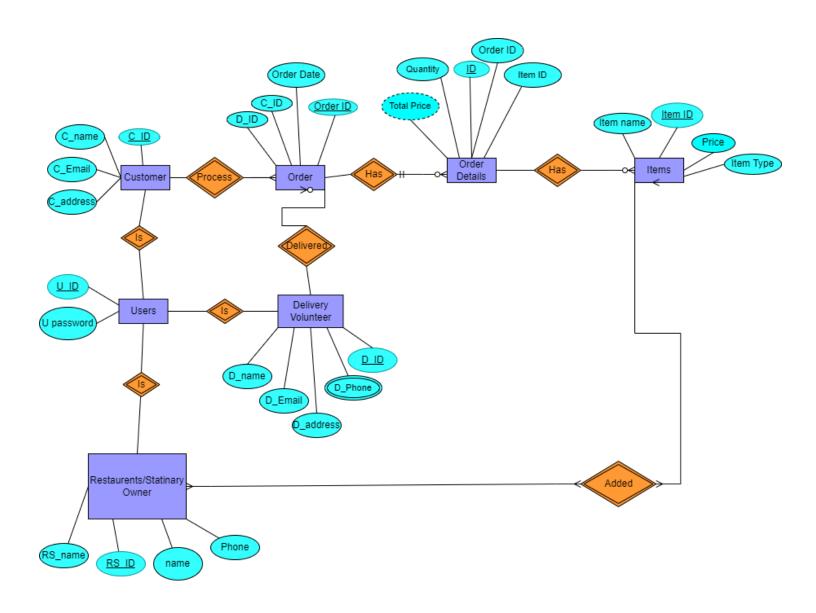
- 1. Students
- 2. Teachers
- 3. Restaurant/stationary Owner

In this Entity Relation Diagram our entities are,

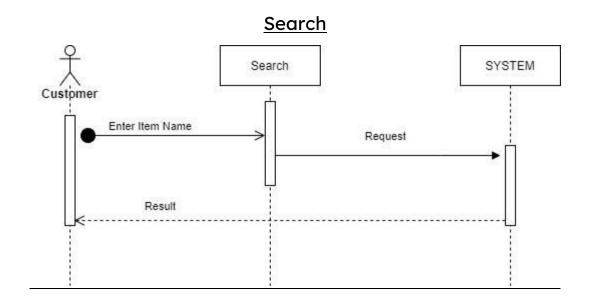
- 1. Users
- 2. Customers
- 3. Delivery Volunteers
- 4. Restaurants/stationary owner
- 5. Order
- 6. Order Details
- 7. Items

Attributes:

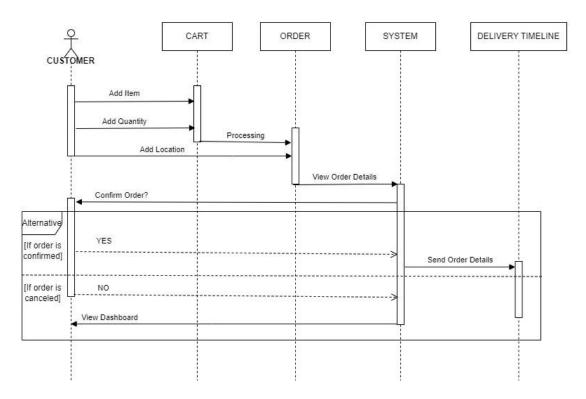
- 1. Users (U_id (primary key), U password)
- Customer (C_ID(primary key), C_name, C_address,, C_email)
- 3. Delivery Volunteers (D_ID(primary key), D_name, D_address, D_email)
- 4. Restaurants/stationary owner (RS_name, RS_ID(primary key), name, phone)
- 5. Order (Order_id(primary key), C_id(foreign key), D_id(foreign key), C_id(foreign key), Order Date)
- 6. Order Details(ID(primary key), item_id(foreign key), order_id(foreign key), quantity, total price)
- 7. Items (item_id(primary key), item_name, item type, price)



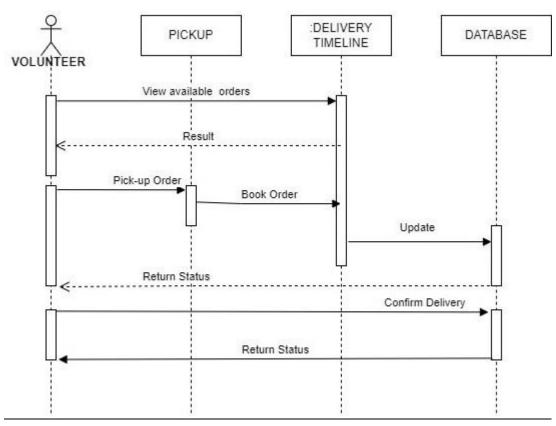
3.5 Sequence Diagram



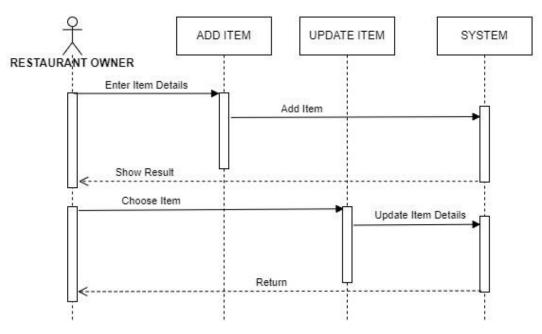
<u>Order</u>



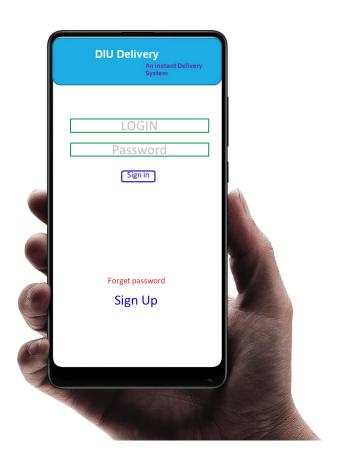
Delivery

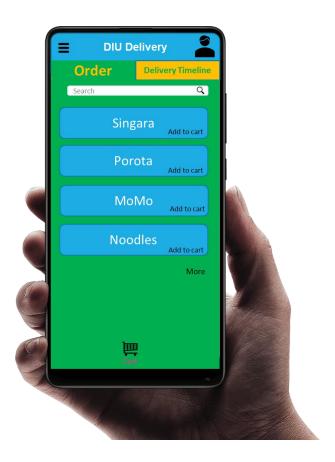


ADD ITEM

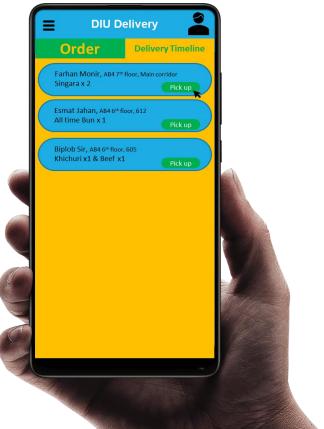


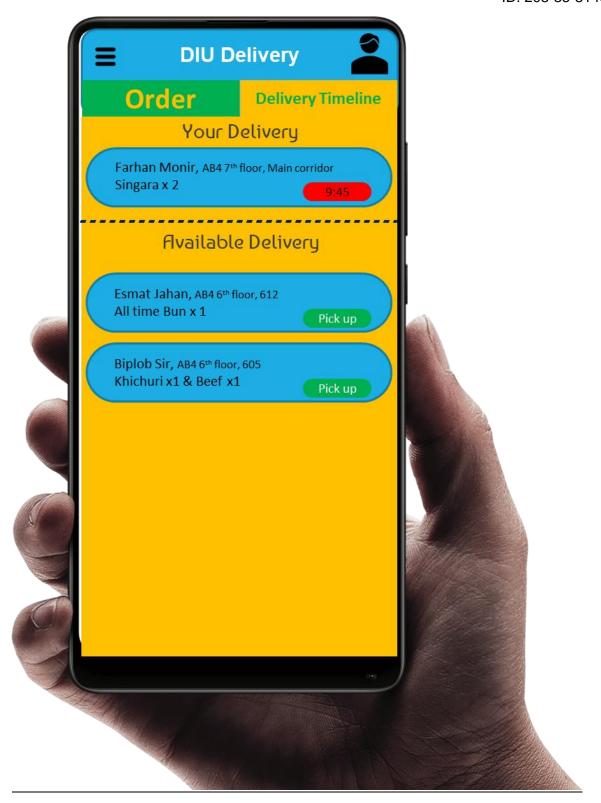
3.6 Prototype











Chapter 4

Conclusion

The application, DIU delivery software is a fast delivery system software inside Daffodil International University to deliver food and other stationery items to students and teachers. As Daffodil International University is the largest private green university in Bangladesh so sometimes it is tough for teachers and students to eat food due to time shortages during rush hours. It is difficult to concentrate in class with hunger. And sometimes you need stationery items but you can not go out of class or you have back-to-back classes. So here is our software to mitigate this problem along with the stationery items problem. When they order, students who are just now entering university can just buy food or stationery items and deliver them to the customers. Besides this system is helpful for some of the students working as delivery volunteers because they can earn some money for their day-to-day work. All these problems will be solved with just the help of our application; an instant delivery system where everyone will be benefited.

This documentation will help users and stakeholders to understand what this project is about and how to use it behind the diagrams of this application.