

بركة  
Baraka

**Supervisor**

**DR. Jawad Berri**

Student's Name	Student's ID	Student's E-mil
Abdullah Salem Bin Baker	435107954	435107954@student.ksu.edu.sa
Amer Alshabebi	435107517	435107517@student.ksu.edu.sa
Fiasal Nasser Alsubih	435103276	435103276@student.ksu.edu.sa

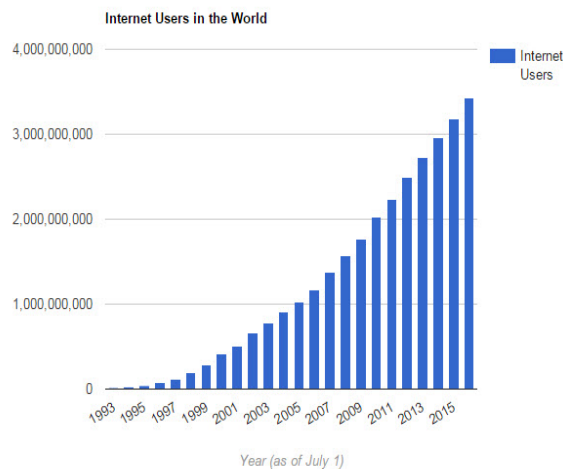
## Abstract:

This project is about the development of an e-commerce application to promote and support productive families businesses who would like to sell their home made products over the web.

## Introduction

---

Nowadays there is an increasing demand on the productive families' products because they propose fresh, traditional and home-made products. These small businesses need to be supported as most of them are families looking for additional financial income with no prior business background and infrastructure. The most important support these families need to implement their business is not funds but it is about the way to reach the customer and to adapt their products to the market. In this project we will develop e-commerce application to promote and support the businesses of productive families by providing a platform to help them reach customers, access web services to market and sell their products and obtain business advice to manage and sustain their businesses.



**Figure Internet users in the world**

## **Objective and Motivation:**

Finding the productive families is difficult and also finding the customers and marketing the products are very difficult for the productive families, also without this program the customers have lots of problems to target the suitable customers for their products.

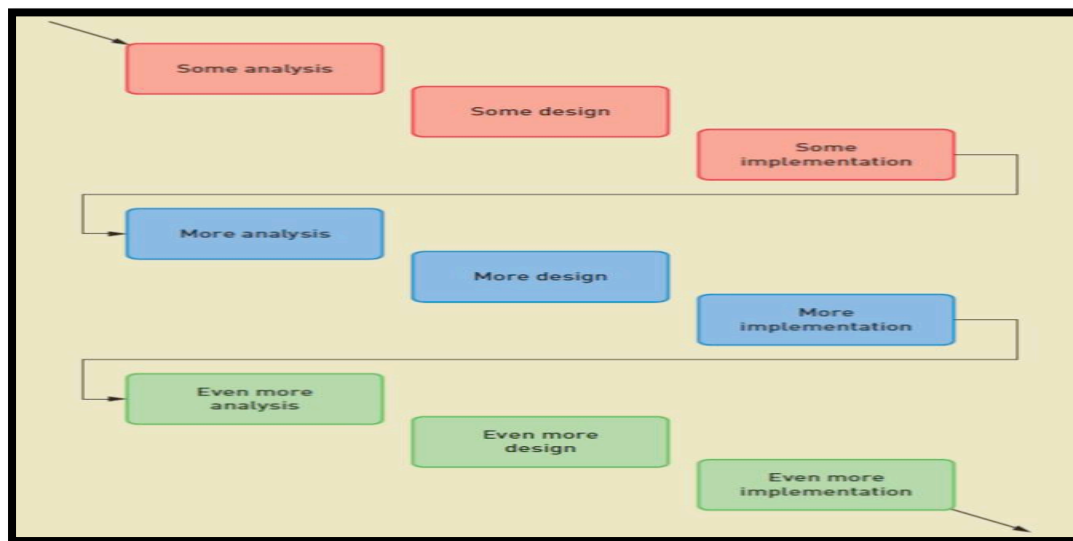
The objectives of the project are:

1. Provide inconvenient way for productive families to reach customers and market their products.
2. Facilitate communication between customers and productive families.
3. Increase the productive families' profits and reduce the costs.
4. Help the productive families to market their products and give them advices from experts consultants.
5. Increase the quality of the products because of the rating which will encourage the families to produce the best products to get a high rate and that will help the customer to find the best products.

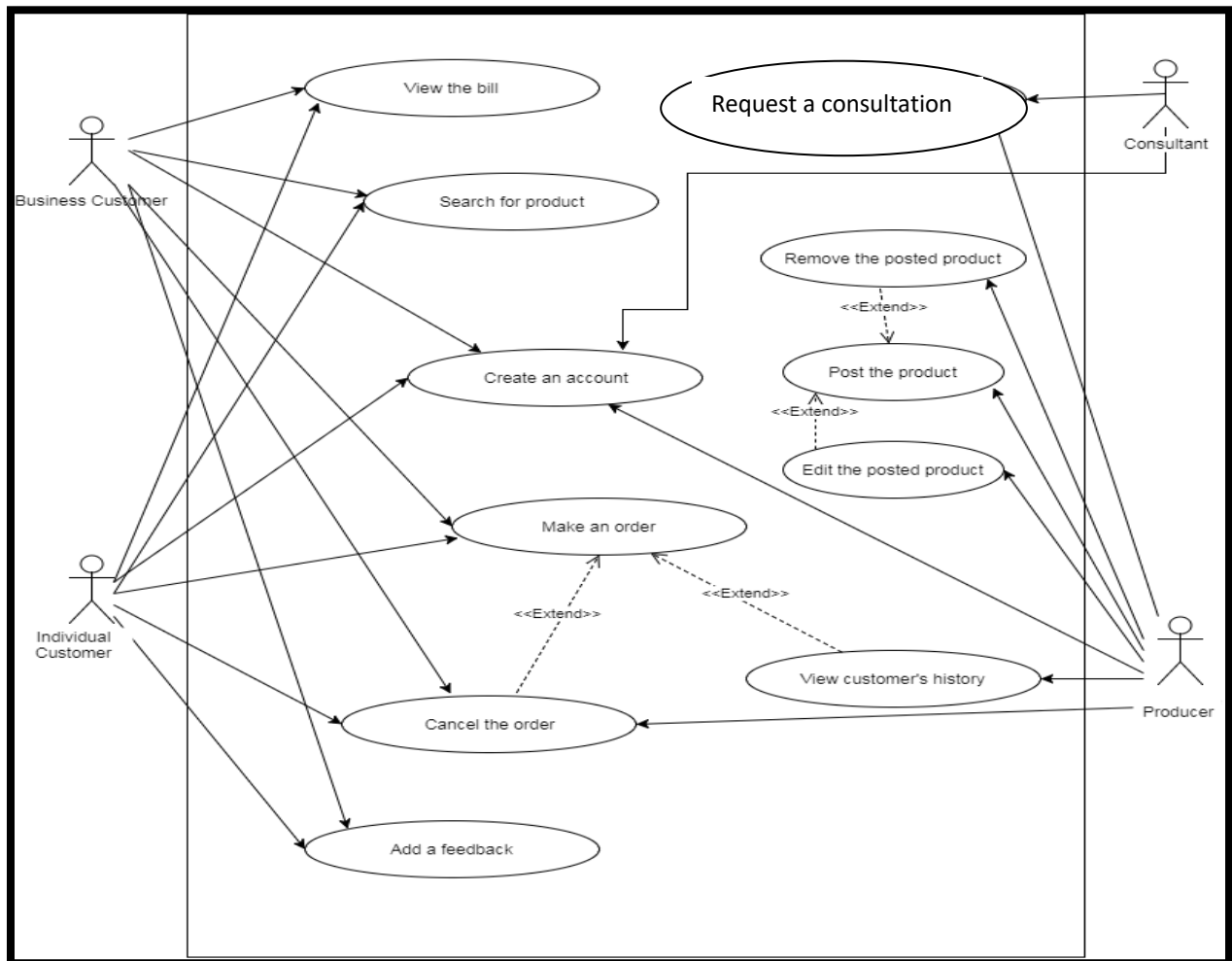
## System Analysis

---

And in our project we will go with agile approach because it is much safety than using the waterfall approach also this approach will help us to build the project in a short time.



## Use-Case Diagram:



## Use-Case Description:

### Create an account:

Use Case Name	Create an account.	
Scenario:	User wants to create an account.	
Triggering Event:	User wants to create an account in the system.	
Brief Description:	When a user wants to buy or sell he/she must create an account, so he/she must fill information and the system will check.	
Actors:	Individual-customer, biasness-customer, producer, consultant.	
Related Use Cases:	None.	
Preconditions:	The user does not have account before.	
Post conditions:	The new account is created in the database.	
Flow of Activities:	User	System
Exception Conditions:	1. Press creates account.	1.1 Require registration info. 2.1 Validate the entered info.
	2. Fill information.	2.2 Create the account.
2.1 not valid entered information.		

## Search for product:

Use Case Name	Search for product.	
Scenario:	User wants to search for an item.	
Triggering Event:	User wants to search.	
Brief Description:	The customer can search for item.	
Actors:	Individual-customer, biasness-customer.	
Related Use Cases:	None.	
Preconditions:	None.	
Post conditions:	All result is displayed.	
Flow of Activities:	User	System
	1. Write item name.	1.1 Search for item. 1.2 Show the item.
Exception Conditions:	None.	

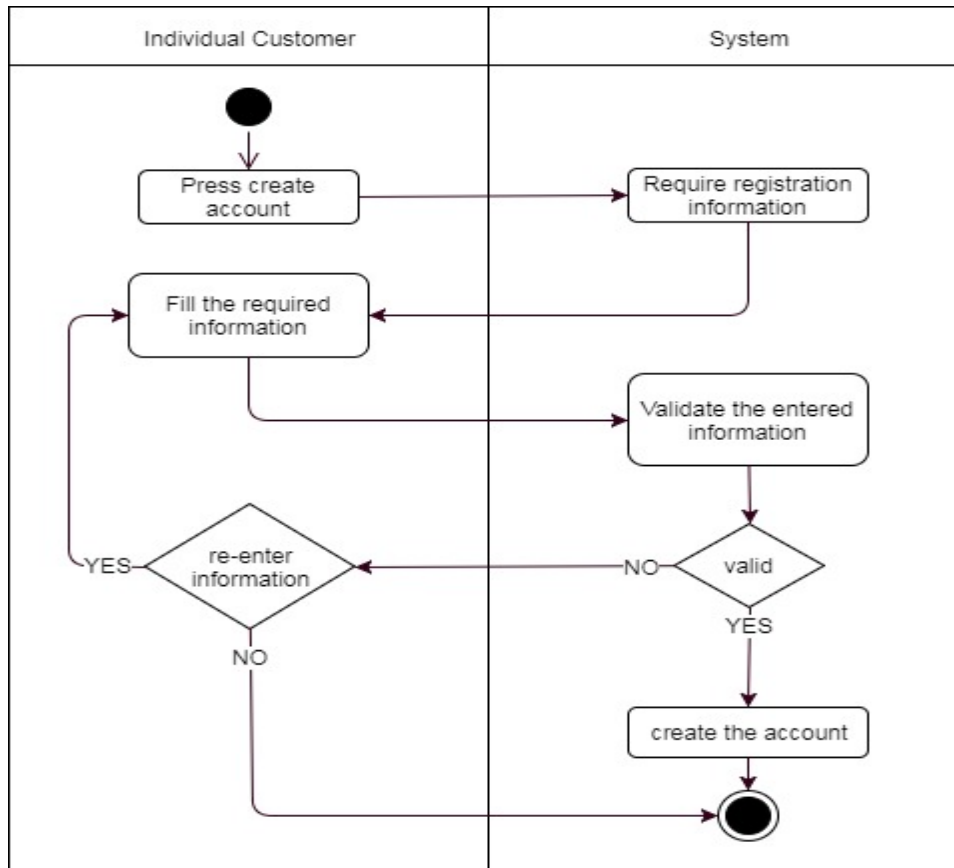


## Make an order:

Use Case Name	Make an order.	
Scenario:	Customer wants to make an order.	
Triggering Event:	Customer wants to make an order for product.	
Brief Description:	The customer can make order by add item to his/her cart, he/she can choose the quantity.	
Actors:	Individual-customer, biasness-customer.	
Related Use Cases:	View customer's history, cancel the order.	
Preconditions:	The customer must be registered.	
Post conditions:	The new order added to the cart.	
Flow of Activities:	User	System
	1. Do the search process.	2.1 Add the items to the customer cart.
	2. Select items with quantity.	2.2 Notify the producer of the requested items.
	3. Receive the request.	3.1 Send the confirmation to the customer.
Exception Conditions:	None.	

## Activity Diagram:

### Create Account (Individual customer):



### Make an order (Individual customer):

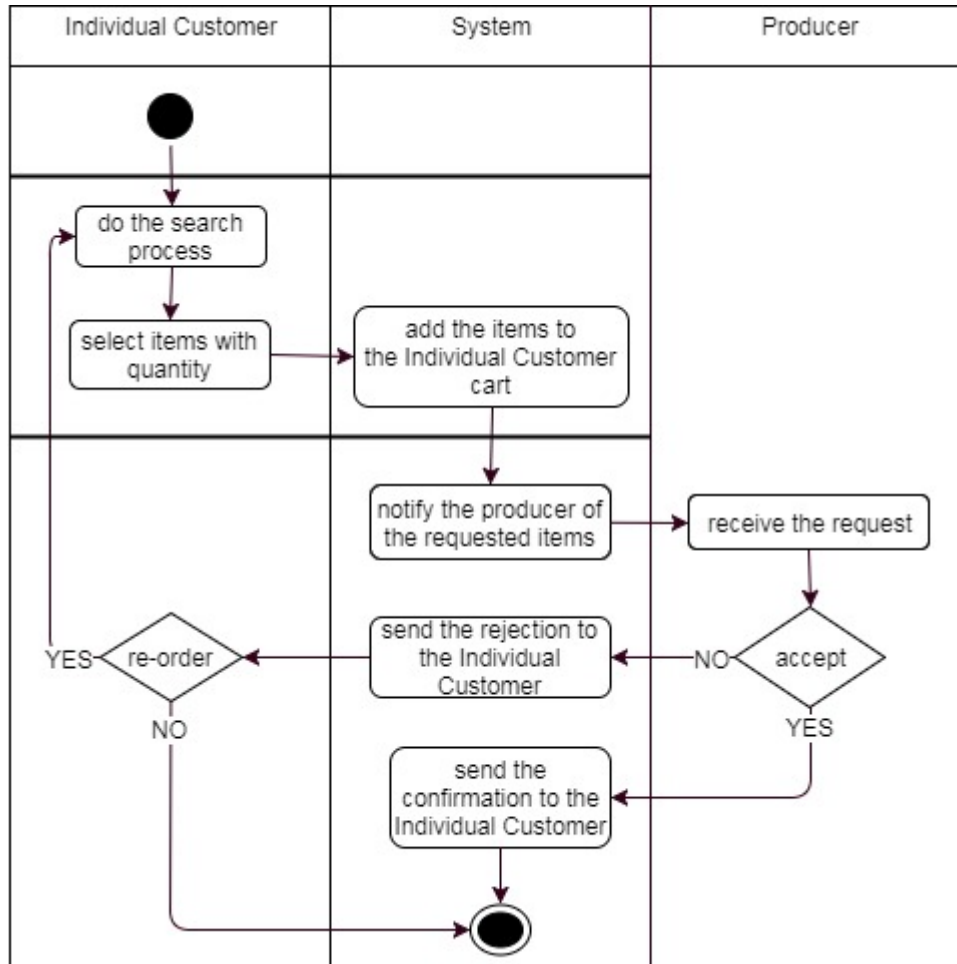
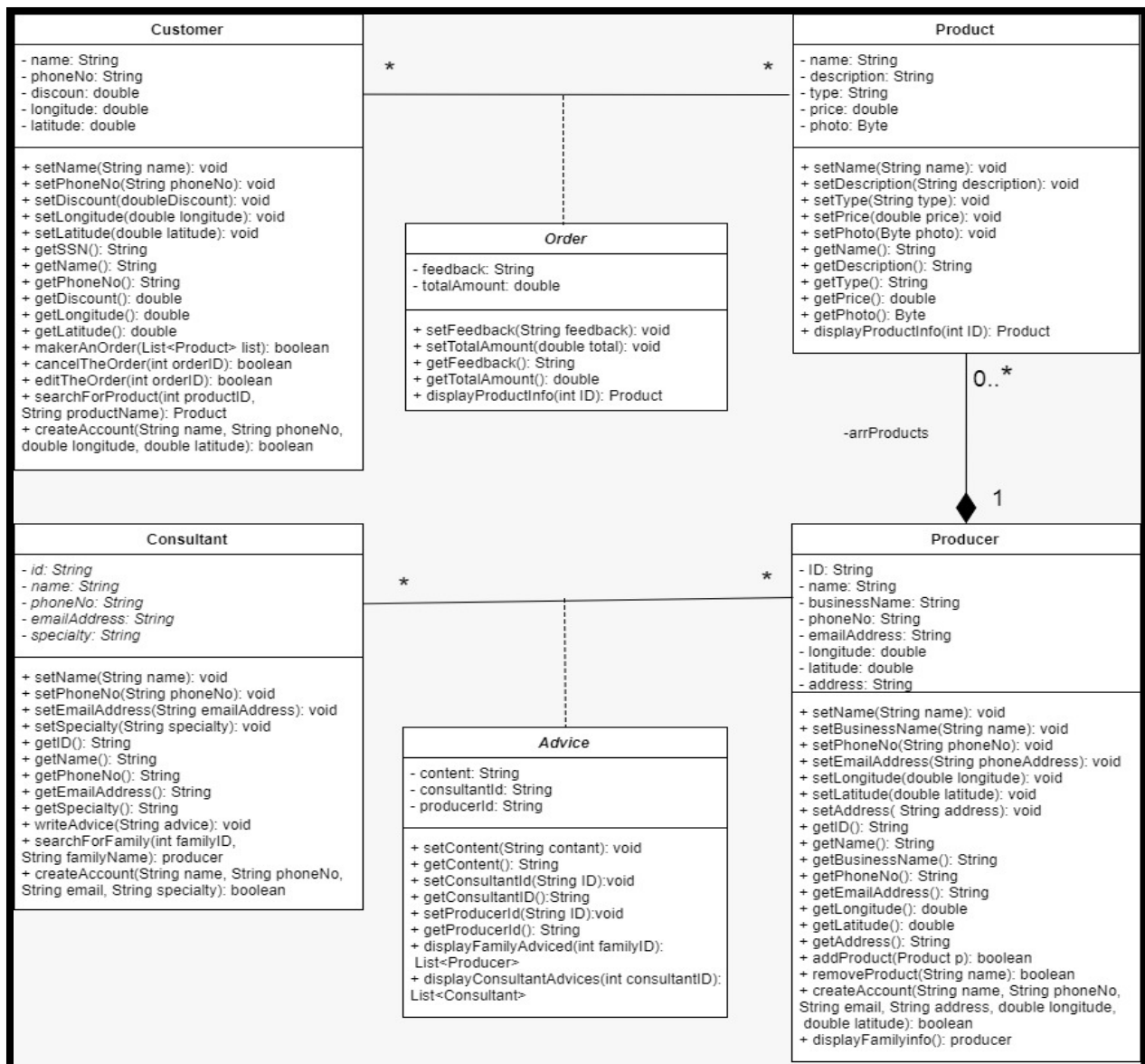
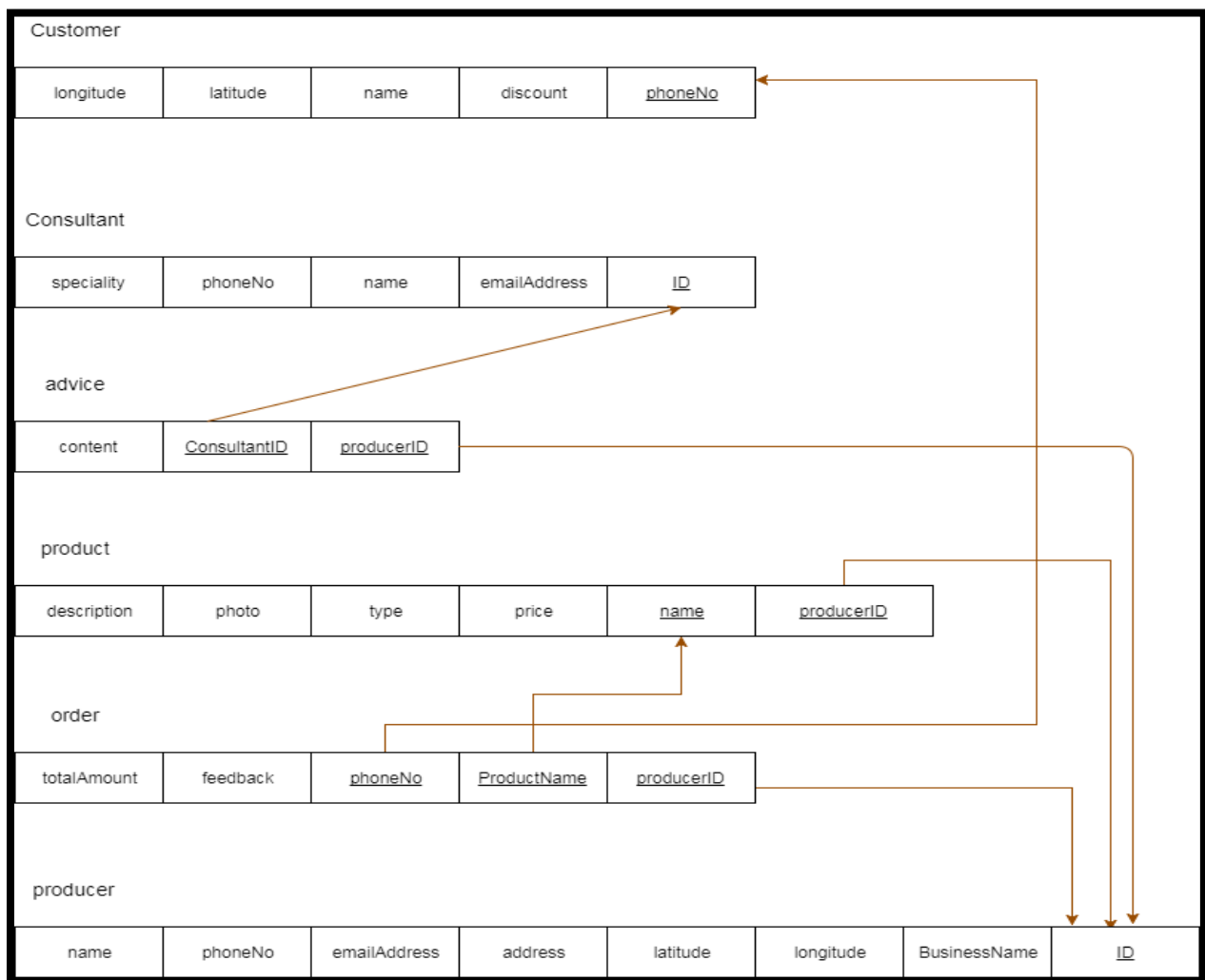


Figure 1 Make an order (individual customer) activity diagram

## Class Diagram:

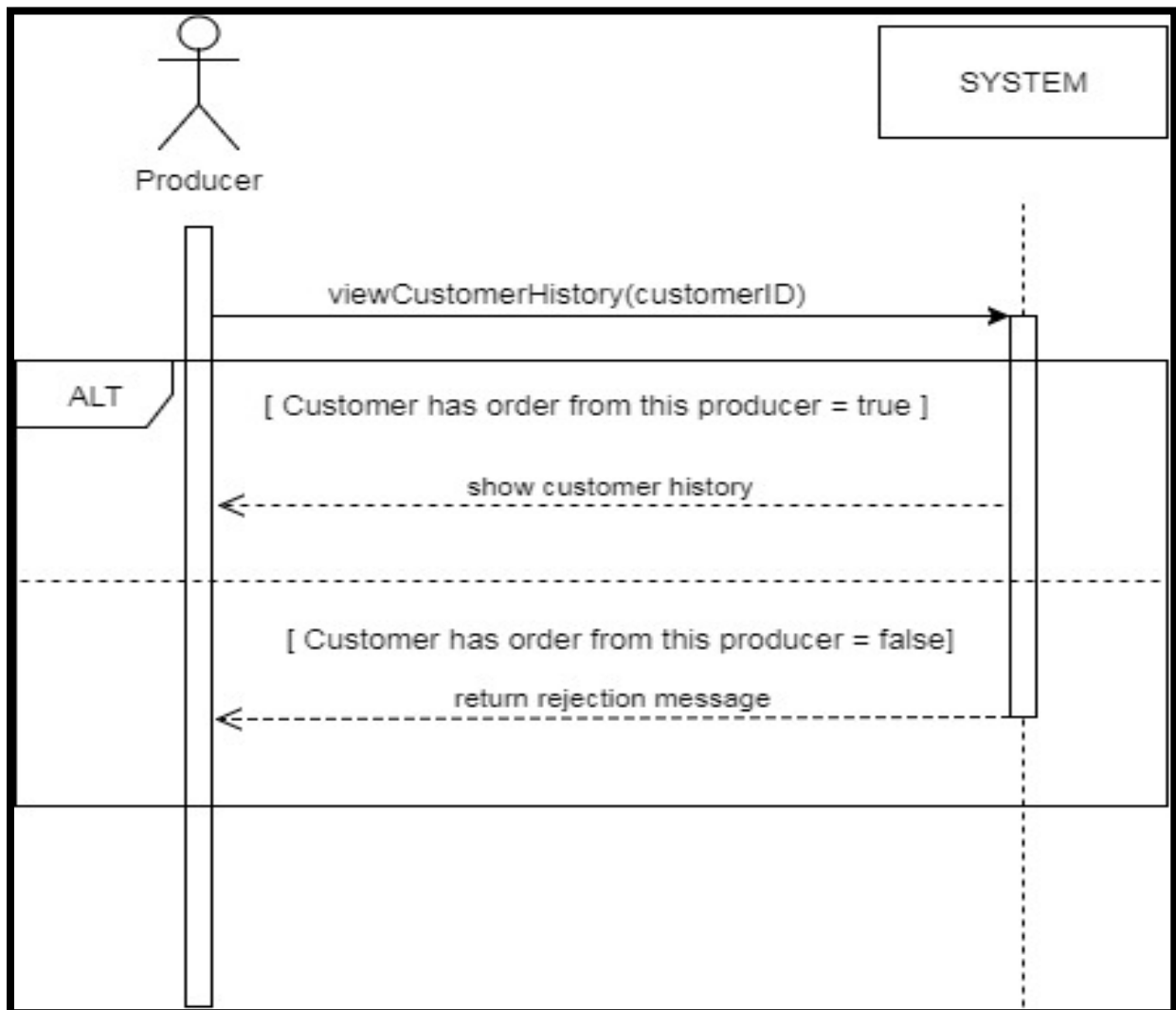


## Relational Schema Diagram:



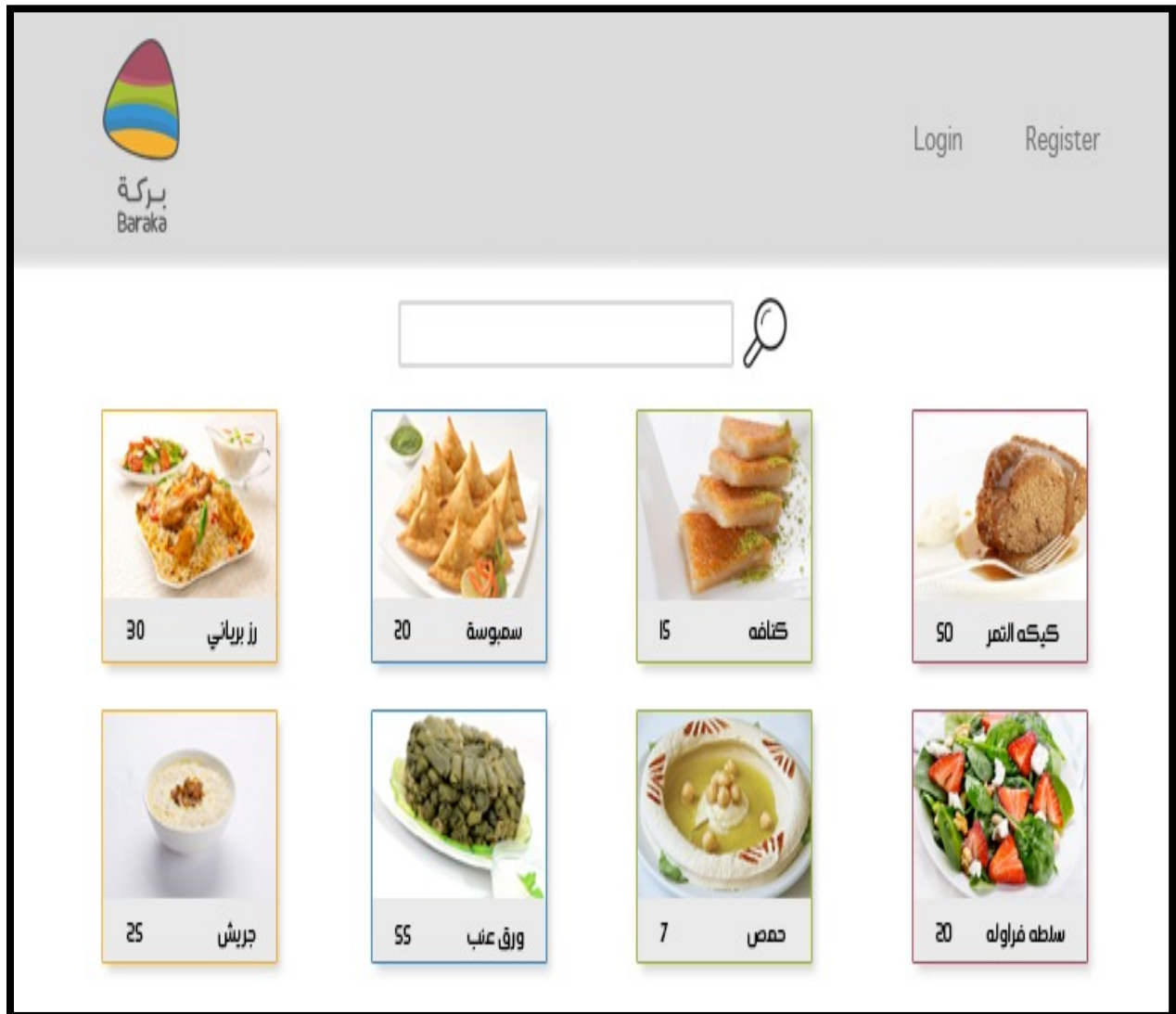
## Sequence diagram:

View Customer History:




## Prototype of the System:

### Main page:



## Login page:



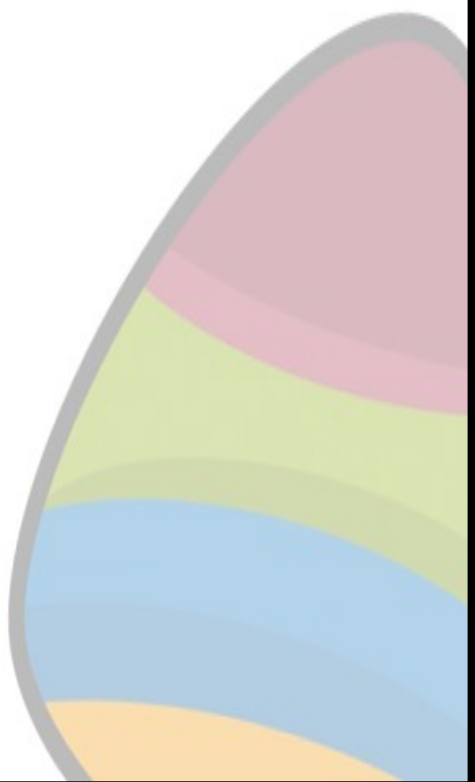
بركة  
Baraka

Login Register

Username


Password

Create an account Sign in





## Open Store Page:



LoginRegister


Store's name

Password


E-mail

Phonr No.

CreateCancel



## Create an account page:



بركة  
Baraka

Login Register


Username

Password

E-mail

Phonr No.

Create Cancel



## **Conclusion**

---

- On Productive families: this project will help them to increase their revenues and also will help them to start their own business and improve it especially with the advices that the consultants will give it to them
- On customer: this project will help him to make his orders easily and to find the productive families with their ratings which will help him to find the best families and best products that he is seeking for them
- On society: this project will reduce the unemployment's percentage the thing that will increase the economy in this society

## References:

- Burd, S. J. (2012). *Introduction to Systems Analysis and Design*. New Maxico: Course Technology.
- ISTQB. (2013, match). Retrieved 12 10, 2017, from ISTQB EXAM CERTIFICATION: <http://istqbexamcertification.com/what-is-waterfall-model-advantages-disadvantages-and-when-to-use-it/>
- Olic, A. (2016). *all Post*. Retrieved 10 12, 2017, from active.collab: <https://activecollab.com/blog/project-management/agile-project-management-advantages-disadvantages>
- sabq. (2014, November 30). *sabq*. Retrieved 12 20, 2017, from <https://sabq.org/cArgde>
- Technologies, S. (2015, august 25). Retrieved 12 10, 2017, from Segue Technology: <https://www.seguetech.com/8-benefits-of-agile-software-development/>
- Wu, C. (2004). *Object-Oriented Programming*. New York: Mc Graw Hill.