**Easy Invoice Application (Group 130)**

**Supervisor**

**Dr. Tarek Ali**

**Team Members:**

Ahmed Gamal Sallam – 202201314

 Kahlawy Saber Fathy – 202201347

 Waled Ibrahim Mohey Eldin – 202202040

 Ahmed Gomaa Shazly – 202201069

 Mohamed Mohamed Selim – 202201271

**Problem & Idea (Lecture 1 page 4):**

With Easy invoicing application, Tax and Customs Authority (ZATCA) mandating e-invoicing for taxpayers in the Kingdom of Saudi Arabia effective from December 4, 2021, you will need software that helps you stay compliant with the new rules. is e-invoicing compliant and designed to adapt to GAZT regulations.

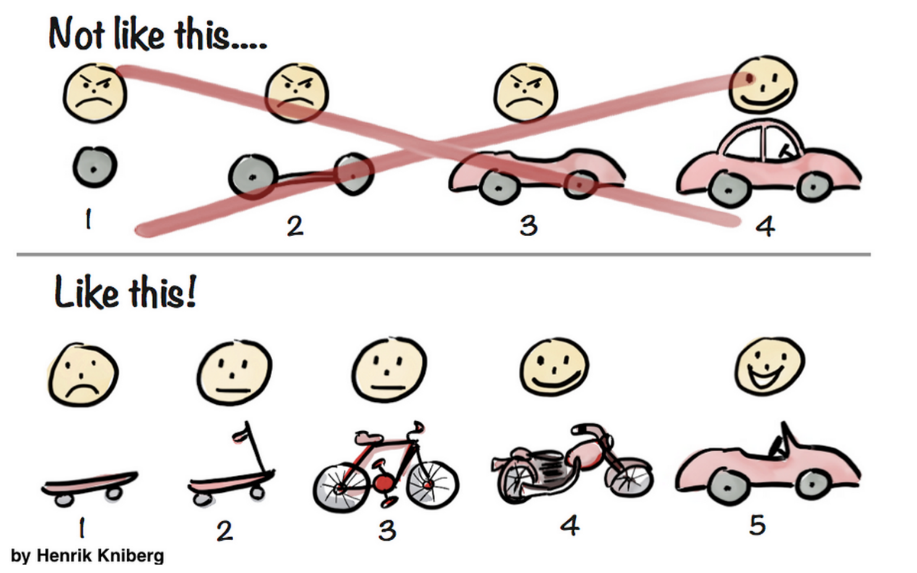
The objective of this Software Requirements Specification (SRS) document is to define the necessary features and requirements for the development of a billing system with integrated e-invoicing capabilities. The system aims to simplify and automate the billing process by providing a centralized platform for managing all invoicing activities. The e-invoicing integration will allow for faster invoice creation and delivery, reducing the likelihood of errors and improving overall efficiency.

The billing system will include features such as automatic payment reminders, invoice tracking, and customizable invoice templates. The system will enable users to generate invoices quickly and easily, customize invoices according to their preferences, and manage invoices efficiently. Additionally, the system will allow for the management of payments and provide users with insights into their billing and payment history.

**Solution depended on MVP (skate) (Lecture 1)**

A simple application as a point of sale for itinerant sellers that offers the following solutions:

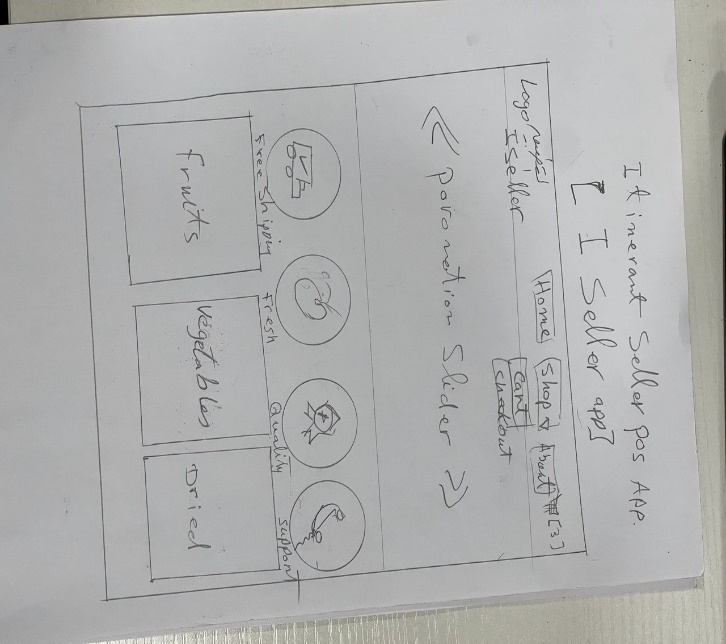
* Easy use app for various mobile devices, whether they are mobile phones, tablets, etc.
* Energy Source: You can use the mobile and a power bank only to use the application.
* Selling Online: add the feature for selling online
* Points of sale: where it makes accounting operations and issues invoices to the customer.

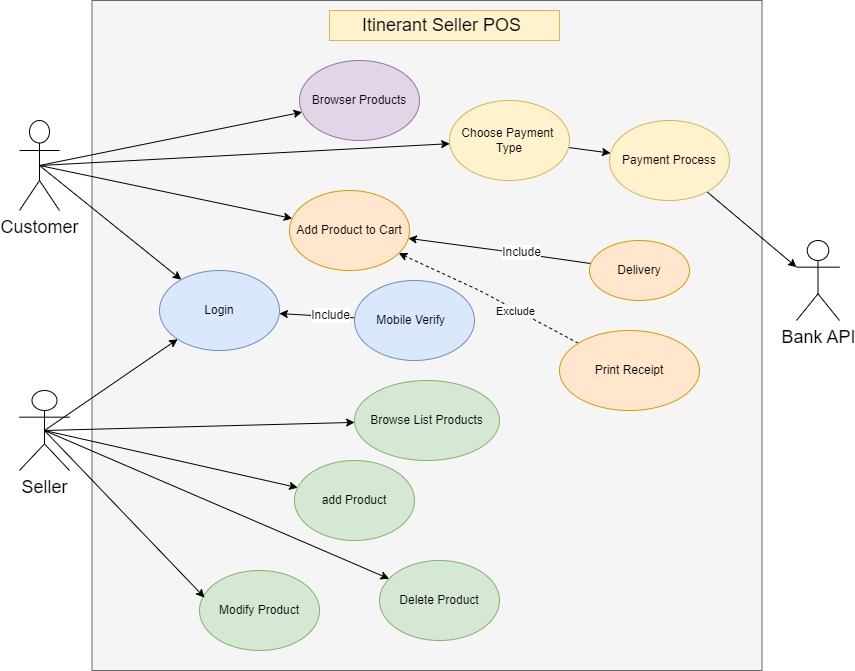
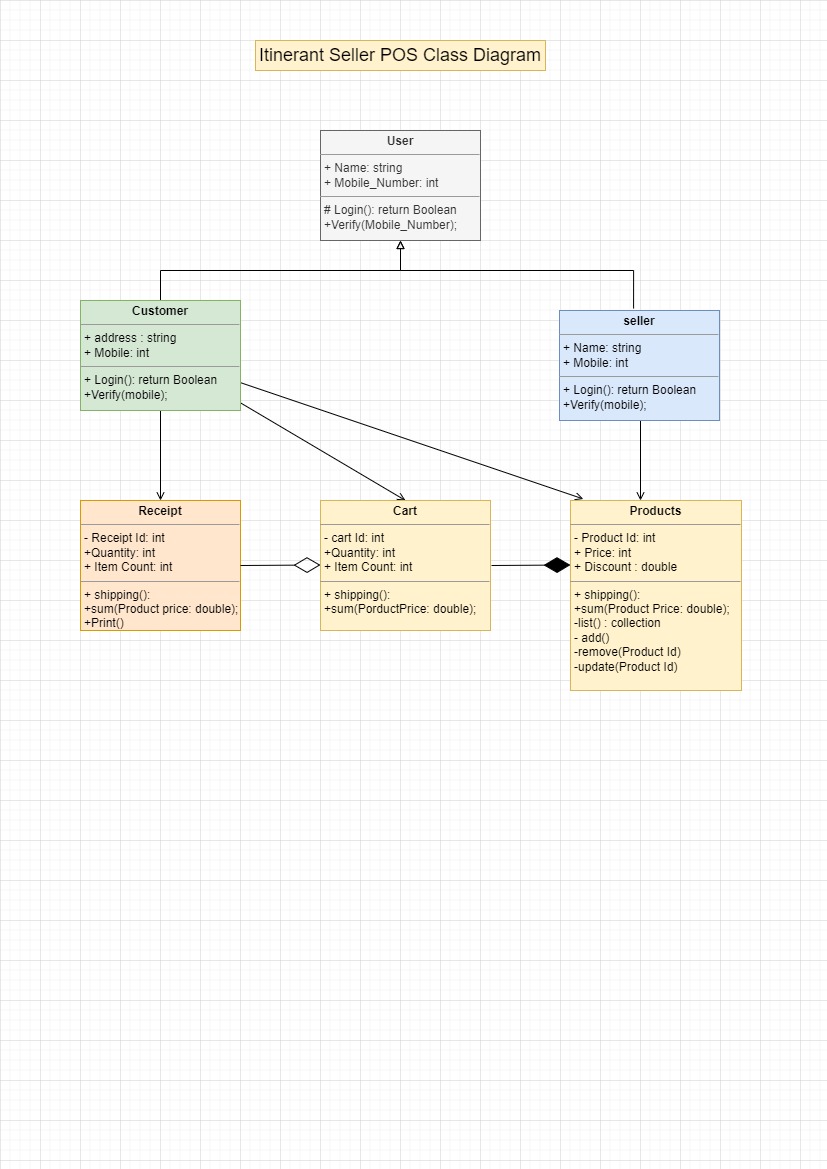
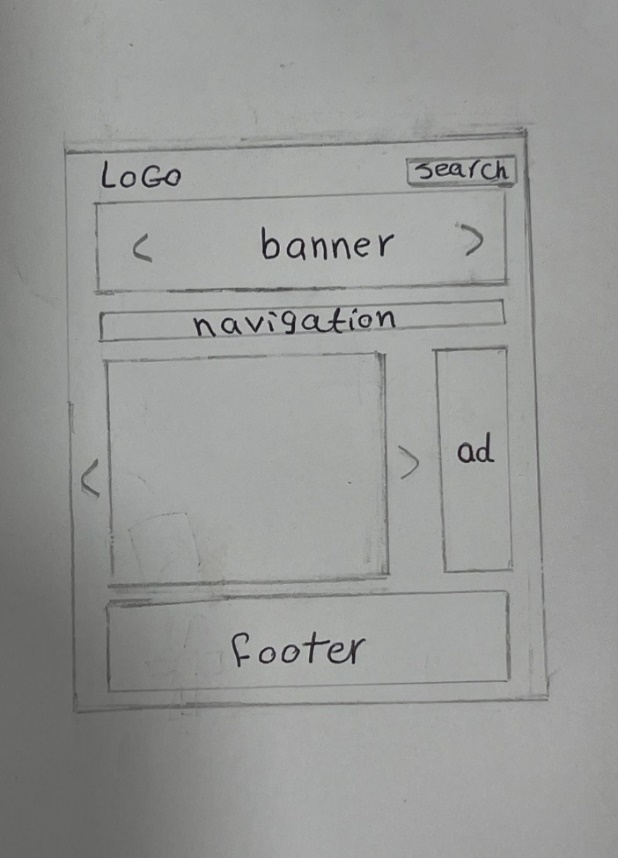


**Kick of meeting (Lecture 3 page 4)**

We scheduling a meeting through Microsoft Teams to discuss the problem and find a solution to it, define the stockholders of the project, the roles, and responsibilities of the team members, and set a timeline for the implementation of the project, and the meetings and documented on hard pager.

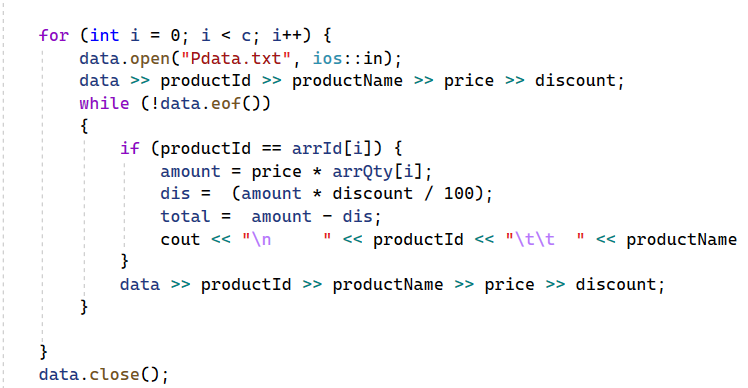
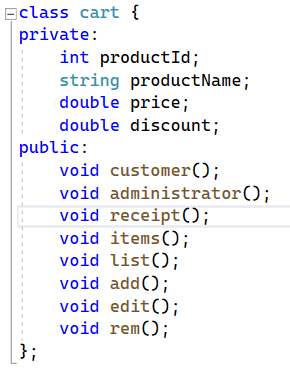
**Sketch (Prototype): (Lecture 3 page 22)**

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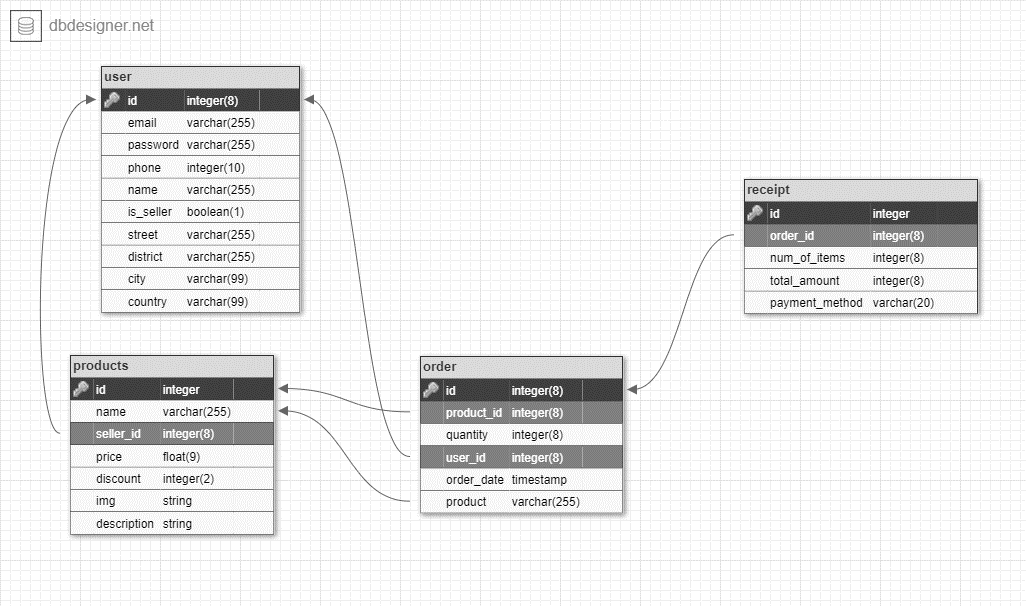


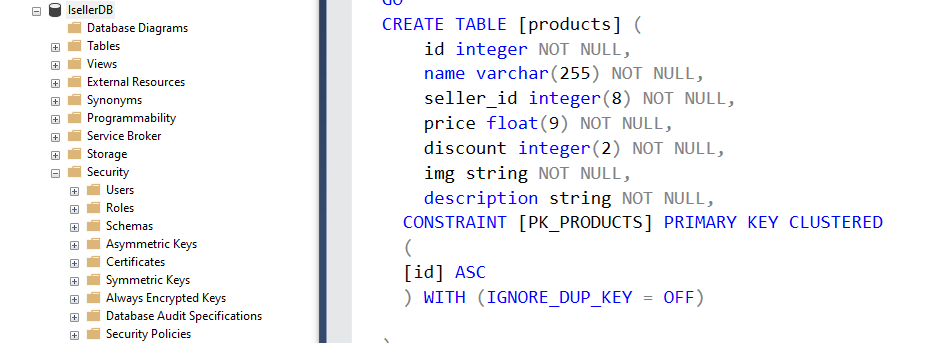
**Technologies (Lecture 5 start from page 8)**

* Frontend Technologies and Language: HTML, CSS, JavaScript.
* Backend Technologies: Asp.net core
* Backend Language: C#
* C++ Console Application for Skate purpose.



* Microsoft SQL Server





**Personas (Lecture 3 page 18)**

* Customers
* Sellers

**Methodologies (Lecture 2 page 17)**

* We use Agile – Kanban methodology

**Features of Tool I Seller App (MVP) (Lecture 3 page 12)**

A) Use Cases:

**\*System User: Admin – Customer- Seller.**

**3) Customer:**

1- As a Customer, I want to have an account (Optional)

2- As a Customer, I want to Login (Optional)

3- As a Customer, I want to add my location

4- As a Customer, I want to View available products today in my location with their price

5- As a Customer, I want to select from the available products

6- As a Customer, I want to order the selected products

7- As a Customer, I want to receive an invoice of purchased products

8- As a Customer, I want to receive my order in the identified location

9- As a Customer, I want to add review on my order.

**1) Admin:**

1- As an admin, I want to edit System user types

2- As an admin, I want to edit System products

3- As an admin, I want to edit Products price.

**2) Seller:**

1- As a seller, I want to have an account

2- As a seller, I want to Login

3- As a seller, I want to add my location

4- As a seller, I want to determine my products

5- As a seller, I want to update the products price

6- As a seller, I want to give invoice to the user

7- As a seller, I want to receive the products status after selling

8- as a seller, I want to receive a calculation on purchased products & my profit

9- As a seller, I want to view the added review on my products.

**Test Cases (Lecture 6 Page 17)**

1- Validate that the seller should have an account to login

2- Validate that the client should have an account to login

3- Validate that user can add his location

4- Validate that system saves the user location

5- Validate that System has a list of products

6- Validate that seller can update the available product per day

7- Validate that seller can update the products price

8- Validate that seller receive the products status after selling

9- Validate that seller receive a calculation on purchased products

10- Validate that seller receive a calculation of his profit

11- Validate that seller receive a calculation of his selling per month

12- Validate that seller can view the review of his products

13- Validate that System display the available products per day in the identified location with their price

14- Validate that client account can select from the available products

Per day & location

15- Validate that client order the selected products the identified location

16- Validate that client receive an invoice of purchased products

17- Validate that client can add review on his order.

18- Validate that Admin can edit System user types

19- Validate that Admin add System products

20- Validate that Admin Update System products

21- Validate that Admin determine products price limit

22- Validate that Admin can view products reviews

23-Validate that Admin can add review on seller`s accounts

**References**

1. The official ASP.NET Core documentation: <https://docs.microsoft.com/en-us/aspnet/core/>
2. The official ASP.NET Core GitHub repository: <https://github.com/aspnet/AspNetCore>
3. "Pro ASP.NET Core 3" by Adam Freeman and Andrew Lock: <https://www.apress.com/us/book/9781484255078>
4. "Building Web Applications with ASP.NET Core and MongoDB" by Rajeev Sakhuja: <https://www.packtpub.com/application-development/building-web-applications-aspnet-core-and-mongodb>
5. "Learn ASP.NET Core 3.1" by Kudvenkat: <https://www.youtube.com/playlist?list=PL6n9fhu94yhVkdrusLaQsfERmL_Jh4XmU>
6. ASP.NET Core Community on Stack Overflow: <https://stackoverflow.com/questions/tagged/asp.net-core>