



Capstone Project

Store Management System


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Abstract:


The SM, or Store Management System, is the software that will allow customers to purchase things online. "Store Management System" is abbreviated as SM. It is effective and simple to use. You must be logged in as a user or administrator to use this software. The administrator has full access to all features, whilst users have limited access. Users and administrators have their own logins in this system.





Tech/Software Used:

Some prerequisites mentioned:

- ASP.NET core C# programming (Visual Studio 2019)
 - MSSQL DB (Microsoft SQL Server)
 - Browser
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Objectives:

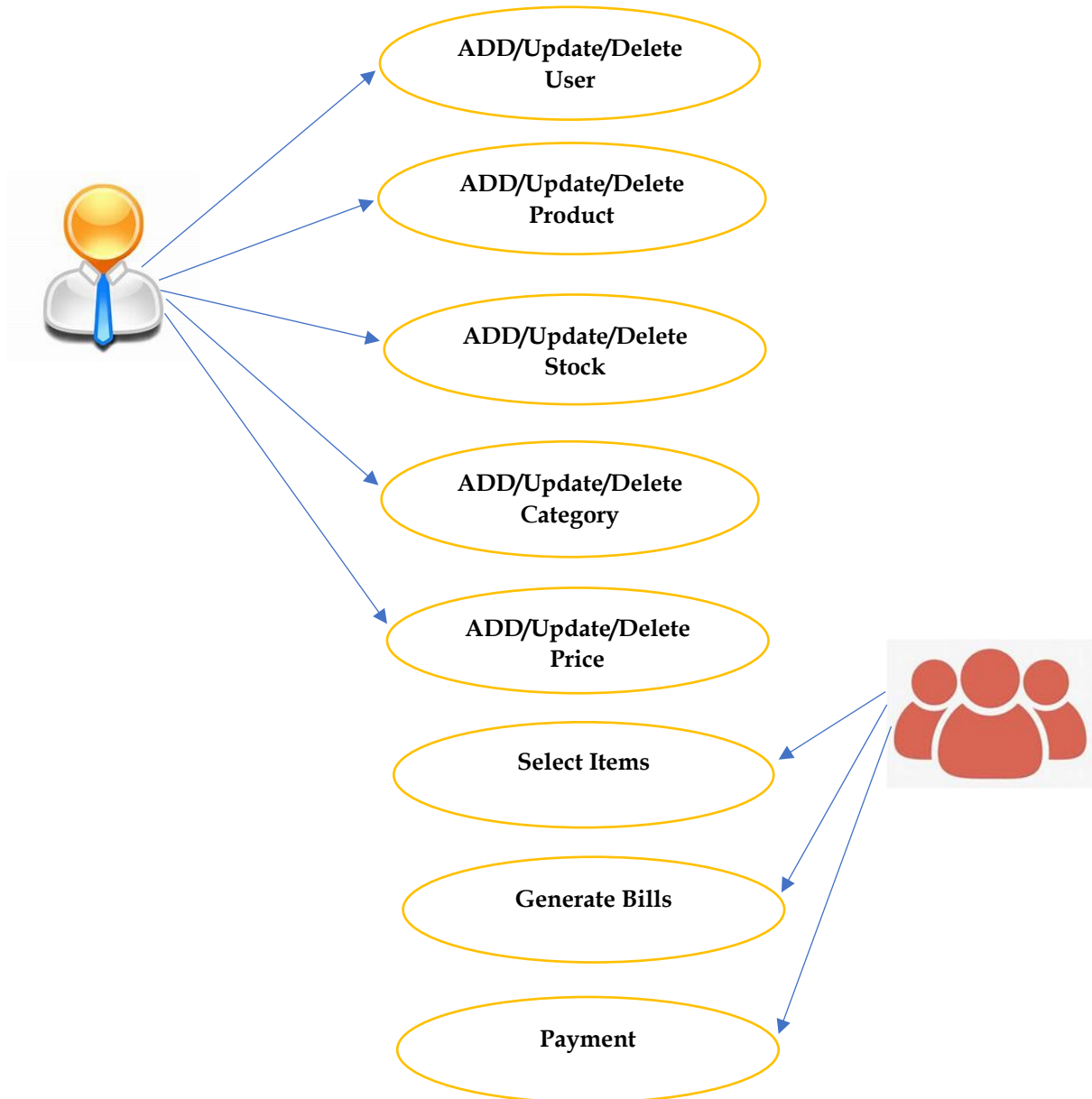
Functional Description:

- This system will have two types of user accounts (Admin & User)
- Admin can add items in list of goods with price and quantity.
- Admin can manage users, add user and delete user.
- User can purchase product and will receive a payment invoice.

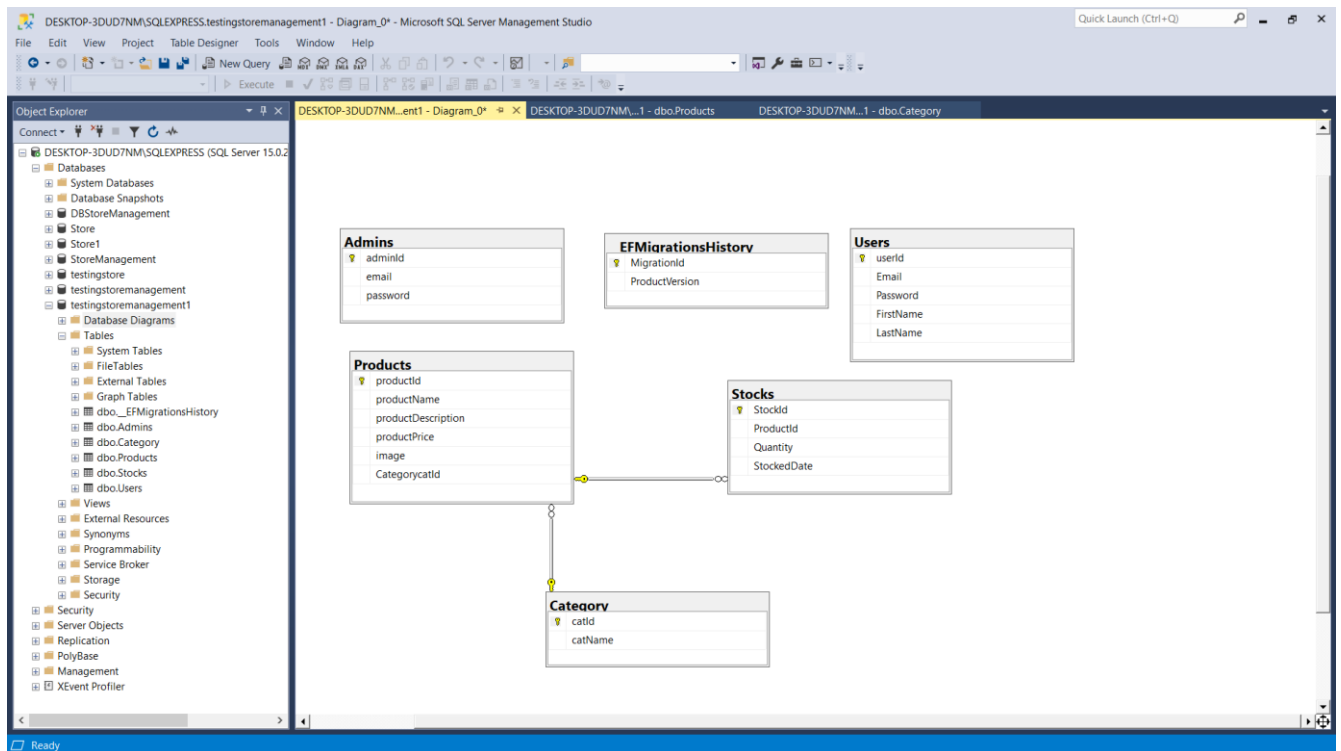
The main objective of this project is to meet with the requirements of problem statement given. Administrator will have the full control of this software

Use Case Diagram:

SM Management System



ER Diagram:



- ER model stands for an Entity-Relationship model. It is a high-level data model. This model is used to define the data elements and relationship for a specified system.
- It develops a conceptual design for the database. It also develops a very simple and easy to design view of data.
- In ER modeling, the database structure is portrayed as a diagram called an entity-relationship diagram.

Now here, in this database, the products are entities with attributes like category, id, quantity, name, description, etc. The category is another entity with attributes like an id, a name, etc., and there is a relationship between them.

An entity may be any object, class, person or place. The attribute is used to describe the property of an entity.

List of Object classes and relations:

	Class/relationship name	Type	Meaning/Notes
1	Admin	class	Admin has additional functions to manage users, products.
2	User	class	Login information.
3	Products	class	Product information.
4	Category	class	Categories information.
5	Stocks	class	Details of quantity and datetime.
6	StoreContext	class	A middleware component for the communication with the database. It has DbSet properties that contain the table data from the database.

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