
**Ahsanullah University of Science and Technology**

*Department of Computer Science and Enineering*

CSE3200: Software Development-V

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Project Report

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# Street Vendors

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**Lab Section:B1**

**Group:6**

Submitted by

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|---|---|
| Mohammad Najrul Islam | 170204061 |
| Rahat Kader Khan | 170204074 |
| Shweta Bhattacharjee Porna | 170204111 |

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# 1 Introduction

We are going to develop a website on Street Vendors which will give them an online platform to communicate with their customers. Customers can easily find street vendors through our website. They can also see their products and product details. They can request specific vendors through their contact information. The vendors can accept or deny the customer's request.They can also ask for help through live chat.

The term "street vendor" in English is typically used interchangeably with "street trader," "hawker," and "peddler". Conventionally, street vendors are those who sell their products without any built infrastructure customarily mobile in nature because they move from one area to another by carrying their wares on pushcarts or in baskets on their heads. There are over five lakh street hawkers in the country. For a population that seems to unanimously purchase products from hawkers and street vendors. Today, there are 107 hawker centers in the country which house about 15,000 stalls altogether. Usually, their locations are near to transportation hubs and public housing lands. When everything on internet available just a click away, physical shopping from vendors decreasing. 57.4shop from online shops over street hawkers and 42.6from the street hawkers. But this huge amount of people does not have any online platform. So in this project we will try to give them an online platform and also solve some of their problems through our website.

**In this pandemic**, people are advised for social distancing. The ongoing pandemic has locked the entire world inside homes but that does not mean the demands have gone from the market. People have to go to the market to buy daily necessaries. In the market it is very difficult to maintain any social distancing. Especially, when the street vendors gather around to sell their product. This causes health risk for both street vendors and customers. Through our website street vendors can go to the customer's house to sell their product. They do not have to gather around. Customer do not have to go to the market. They also can easily buy their necessaries from the nearest street vendors. This helps social distancing.

# 2 Software Specifications

## 2.1 Tools

- Visual Stdio
- SQL Server

## 2.2 Frameworks

### 2.2.1 Frontend

- HTML
- CSS
- Bootstrap 4
- Javascript
- AOS

### 2.2.2 Backend

- ASP.NET(C Sharp)
- Identity
- SignalR

### 2.2.3 Database

- Entity Framework

### 2.2.4 Architectural Pattern

- Model-View-Controller(MVC)

# 3 Proposed Features

## 3.1 Login/Access Account:

- The system shall allow users to register an account and login to their account with matching their passwords and email.
- The system shall enable users to edit their login information and passwords.
- The user can also sign up using other medium like Google account and Facebook account.They can also sign in with Google or Facebook.

## 3.2 User Profile:

- The system will have individual user profile which will contain their name, email, phone number, and profile picture etc.
- The user can edit their profile information and save them.They can add phone number if not added.They can change password also and manage their profile through Facebook and Google

## 3.3 User Friendly Interface:

- The system should have a decent interface and should provide good experience to the users. It should be easy to understand and very responsive.

## 3.4 Online Marketplace:

- Customers can see all the sellers enlisted in our website.
- If they click on the shop, they can view all the products of that vendor. Buyers can see individual shop for Vendors by clicking. They can also click on specific item and see their details.

## 3.5 Online Individual Shop For Vendors:

- The vendors will have their own shop to show their products.
- They can create item and add items picture and details such as size, color,type,weight, product description and item Price.
- They can also edit items like name,picture,details and price.
- They can also remove items if they want.

## 3.6 Real-time Location Tracking:

- One can see the locations of all connected users who has enabled their location status.
- They can even see the specific type of street vendor's location.
- If they hover on the marker, they can view the user's name.

## 3.7 Secured Privacy:

- The users can choose if they want to be found in the real-time location map or not.
- The user will have a verified secured account that will not be used for any other purposes.
- The users location will not be saved in the database for security purposes.

## 3.8 Helpful Community:

- Customer can easily communicate with active user through live chat
- Seller can easily get help from active user through live chat

### 3.9 Portability

- System must run on any device support web system.

### 3.10 Authentication System with High Encrypted Security

- Our platform will maintain high encrypted security.One user can not access any kind of information of other users.User security is very important for us.

### 3.11 Rating:

- Customer can rate any seller item
- Seller will gain start from average of his/her item rating

### 3.12 Defects-Maintenance:

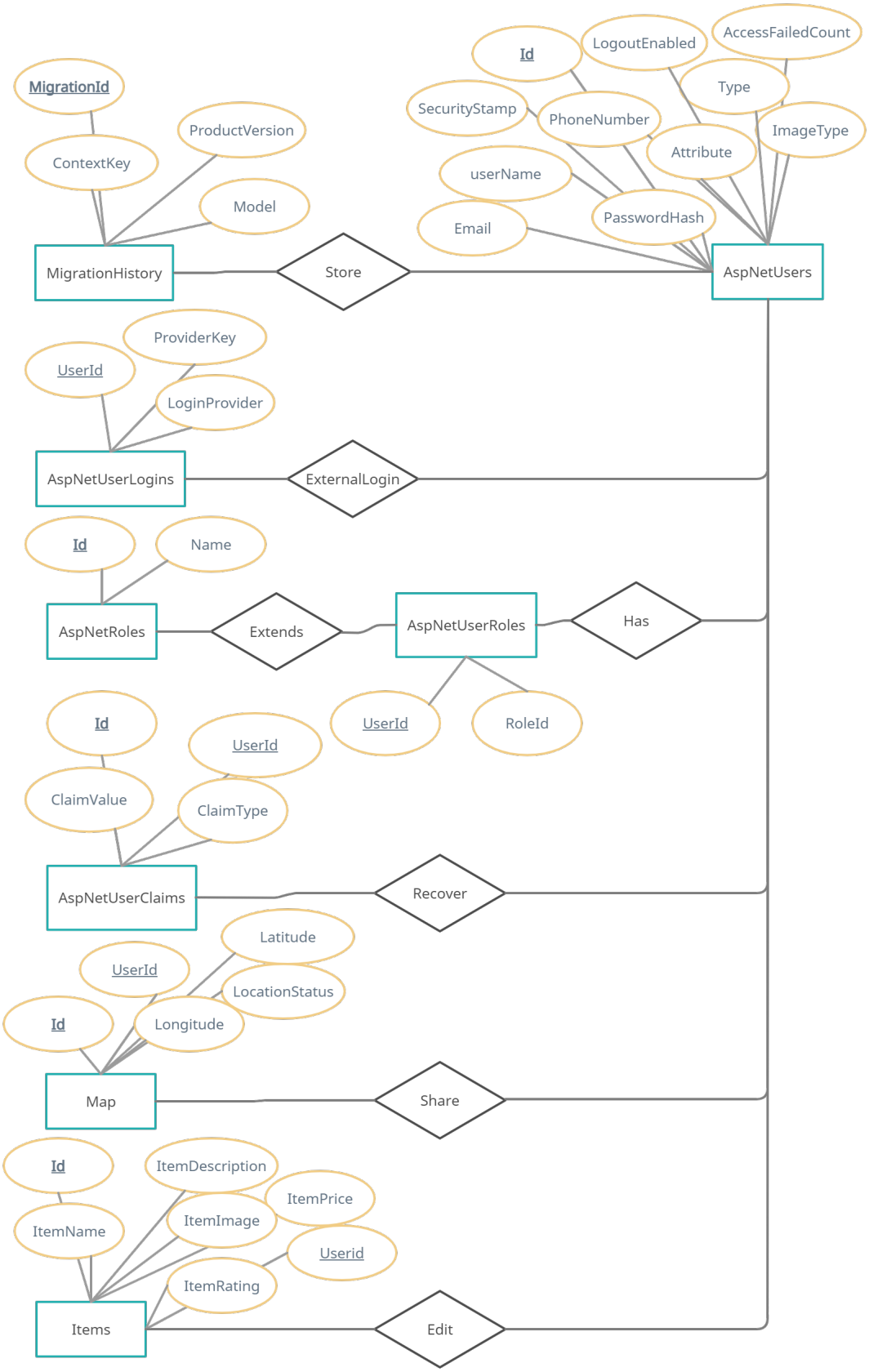
- Post Release defects of the system must not exceed 1 critical bug per month.
- Post Release bug fixing should not take more than 4 hours.

## 4 Conclusion

With our website we have tried to solve some of the major problems . Our website will help to save street vendors cost, to save customers time and to advertise products of street vendors. We are very hopeful that our system would definitely reach to all the people and they would be able to make use of it.
We will try to make a android version application for of this website. So that everyone can use this features more efficiently. We are looking forward to add new features such as request for products, notification for sellers, chat system between seller and buyer based on users response.

## 5 Entity-Relationship Diagram

The entity relationship diagram of our database is given below. there are eight entity and seven relationship in the diagram. The attributes of each entity and relationship are also attached.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ProductVersion
Model
MigrationHistory
Store
Id
LogoutEnabled
AccessFailedCount
SecurityStamp
PhoneNumber
Type
ImageType
Attribute
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PasswordHash
Email
AspNetUsers
ProviderKey
UserId
LoginProvider
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Recover
Latitude
UserId
LocationStatus
Id
Longitude
Map
Share
Id
ItemDescription
ItemPrice
ItemName
ItemImage
Userid
ItemRating
Items
Edit