ThokchenNato

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1 Abstract

The economy of Bangladesh is a developing market economy. Here the agricultural sector plays a major role but the main heroes, the farmers, are neglected. They don't get the actual or proper price of their crops. But in cities, it is sold at a high rate.

Basically, the people who bought the products from the farmers increase the price as his own need. As the farmers are not involved in the price tag adding system, the price grows high and the middle-class families have to suffer a lot.

The bazaar gets unstable and we often face the word price-hike. Young people, who will be the main part of Bangladesh, do not know about the prices of the products properly. So we want a change in this system and want to change Bangladesh.

Finally, we would like to deliver or like to sell products to customers by maintaining the Government rule. We will enlist and give an opportunity to other businessmen to sell products for people by maintaining Government rule though our app as bikroy.com does.

2 Introduction

Here, in our idea, the price hike problem will be solved. As the young people among all others will come to know about the real price or the price which is given fixed by the Government.

The dishonest people will be punished via our app. They will be identified by the app named "THOKCHEN NATO?" and the users are the main operator to monitor the Bazaar. If the businessmen ask for extra money or breaking the rule of Government, they will be punished by the Consumer Rights Protection Act. We, with this app or concept, like to cooperate with DNCRP.

Keyword   DNCPR=Directorate of National Consumer Rights Protection
BSTI=Bangladesh Standards and Testing Institution

3 Background

As this idea is unique and never thought or used before, so this has no related work or data. We will never found this concept directly. "Bikroy.com" and "Vokta odhikar songrakkhon aain" has a slight similarity with the idea.

This is a concept and web based project and it has not published yet. So people will not able to find us in any store. However, we stored it in github. Here is a short overview about our work.

3.1 Product Perspective

A bazaar monitoring database system stores the following information

- Price details: The price which is fixed by the DNCRP will be shown in the app in real time based system. People can log in to the app and view the real price. It will be the original price which is given by Govt. and the seller will sell on this price.

- Customer activity: They are the main organ of the app because they will buy products by knowing the original price. If there is any problem they can submit complain though this app.

- Complain process description: Based on the customer's complaints, an admin will justify it and then submit it to DNCRP to do some steps against the dishonest shops or sellers.
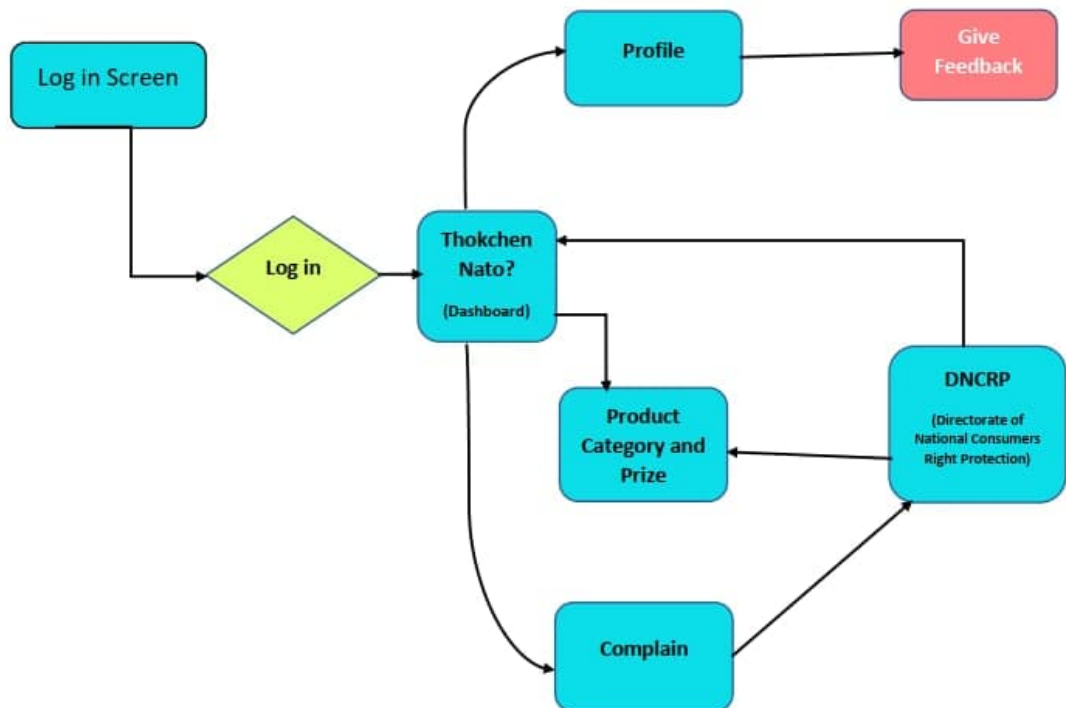
3.2 How it will work

To solve this major problem, at first, we hate to collect the price list which is given by DNCRP. We can find that list by contacting DNCRP. On the other hand, we have to be careful that we are not doing anything against Bangladesh. So we have to get permission according to "The constitution of the People's Republic of Bangladesh".

Here we have a Bazaar monitoring team. They will let us know about the daily or weekly price. And our team will increase day by day. But our main strength is the people of Bangladesh. They, themselves will monitor the bazaar. They will check the Bazaar price and compare our app price. If they found any problem, they can complain. Then the DNCRP will take action according to the complaint rate. So we don't need a huge team to maintain the bazaar. Finally, we will create an option where honest businessmen can sell products by maintaining Government rule using our app. People should trust them because they got our app effective and trustworthy. We will sell like bikroy.com.
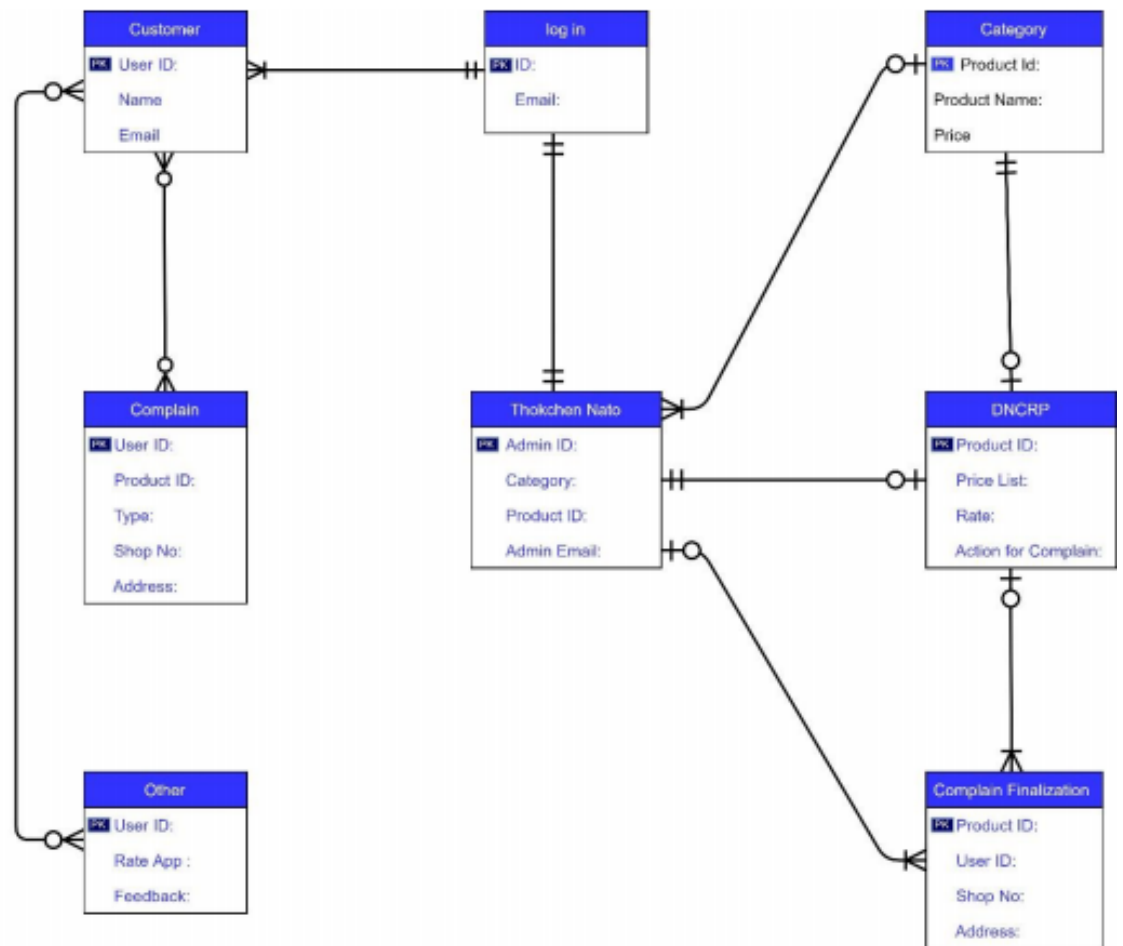
3.3 Product Features

Workflow Diagram:

Thokchen Nato? (workflow diagram)

ER Model:

Use Case Diagram:

3.4 User Class and Characteristics

Users of the system should be able to prevent the price hike. The users will get knowledge about the current price of the products. They can buy the products as the Govt. has fixed the price for all. Because of this, the seller cannot increase the price of the products as their wish. If any customer faces a problem they can do a complaint against the shop or the seller. Then the admin will have a

look and submit directly to the DNCRP.

The Customer should be able to do the following functions:

- Create Account

- Search Category:

  - Fruits
  - Rice
  - Grocery
  - Meat
  - Fish
  - Vegetable

- Feedback/Rate

- Complain

The DNCRP should be able to do the following functions:

- DNCRP FUNCTIONS

  - Give the price list
  - Update price list
  - Rules making
  - Action

- ADMINISTRATIVE FUNCTIONS

  - Update the app
  - Receive complain
  - Verify Complain
  - Complain finalization

3.5   EXTERNAL INTERFACE REQUIREMENTS

3.5.1   USER INTERFACES

- Front-end: HTML,CSS,Bootstrap

- Back-end: C sharp,ASP.Net,SQL

3.5.2   HARDWARE INTERFACES

Windows or MAC or Linux

3.5.3 SOFTWARE INTERFACES

Visual Studio, Microsoft SQL server management studio

4 Problem Statement

The current situation of Bangladeshi market is, the people who bought the products from the farmers increase the price as his own need. As the farmers are not involved in the price tag adding system, the price grows high and the middle-class families have to suffer a lot.

The bazaar gets unstable and we often face the word price-hike. Young people, who will be the main part of Bangladesh, do not know about the prices of the products properly. So we want a change in this system and want to change Bangladesh

5 Methodology

5.1 Admin Perspective

Admin is authorized so that admin will be recognized by his id and password and which is already been set. Admin will log in as admin automatically and will be able to update, edit and delete products in products category as well as he will able to manage the category also. An admin can update his own profile. On the other hand, the user will have the same way to login. They will be authorized as well. The can view the category, the product price and complain against a particular product if he wants. The user can edit his profile as well.

Login

Username

Password

Remember
Me
☐

Login   Create an account

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5.2 User Perspective

In the user section, we authorized the code that our system can recognize the user. After logging into our system they can see product category, and also select category. After selecting category they can see the product price according to DNCPR. If they see any price hike situation. They can immediately complain

to DNCPR. They also can update their profile.

Category of Products

Fruits	**Rice**	**Grocery**
View	View	View
Meat	**Fish**	**Vegetable**
View	View	View

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Product List

Name	Price	Amount_Unit	CategoryName	PhotoURL	
Mango	100.00	1 KG	Fruits		Compalin
Lychee	300.00	100 Pieces	Fruits		Compalin
Grapes	300.00	1 KG	Fruits		Compalin
Guava	70.00	1 KG	Fruits		Compalin
Apple	220.00	1 KG	Fruits		Compalin
Jackfruite	300.00	1 Piece	Fruits		Compalin
Watermelon	200.00	1 Piece	Fruits		Compalin
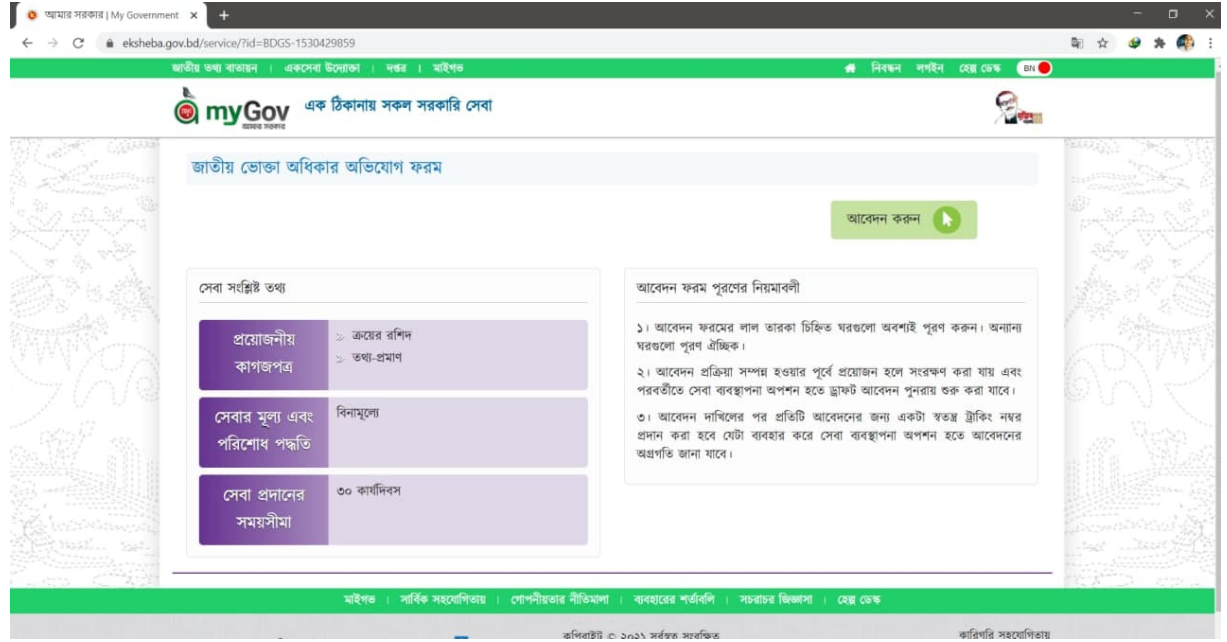
6 Experimental Result

After finishing our project when we were run our project then we faced some errors. We are facing a small problem connecting our project with the database. We were not able to connect our code with the database. After that, we search on google and fix our database and connect with the code. So, that was a small problem to us what we were faced and we have solved the problem easily.

7 Possible Challenges

To become successful, we need to promote our app. Our first task is to introduce our app to the people of Bangladesh. This app is made for them -we have to get them to realize. So we have to promote our app to social media and sites.

The unity of dishonest businessmen is our second challenge. If our promoting can do an effective job, then our people will stay with our app. We can mention "2018 Bangladesh road-safety protests". we all want change and it will come. So we will get Government support also.

Man-power problem and giving salary is another problem.

8 Conclusion

Finally, the app "Thokchen Na To?" will play an important role in the country. Because it is a user friendly app.

9   Reference

- https://drive.google.com/file/d/1YnvPVPMDt18gAUwg0eHPynov6ohZfOW4/view?usp=sharing

- https://drive.google.com/file/d/1m9wjrMQ9R1XVCcfhkxoEZD0MIfTUl2ho/view?usp=sharing