



Inspiring Excellence

Report on Shasroyi App

GROUP: 11

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Introduction:

In this fast growing world, people are often busy in doing their other daily works. Including the shopping part, which is extremely necessary. But what we have found by observation that people are wasting time on finding their desired products in new places or even in their nearest places as many people do not have any idea on prices on different shops. Even if anyone want to know that, they have to go to any particular Shop Website. So we have decided to make an application which will allow user to see the products with low price and in the nearest place sorted

System request:

Project sponsor: Md. Sakib Khan, President of Human Resource Management

Nazifa Khanom, Vice President of Marketing

Asadullah Monsur, Assistant Secretary of Management

Business need: This project has been initiated considering the problems that a customer faces during finding any kind of product for buying, especially when he/she is new to

the area and does not know anything about the product pricing. It is a comparing app by which nearby shops can be found with reasonable price of products

Business requirements: Using the Web, customers should be able to search for products and identify the

nearest shops that have them in stock. They should be able to see the prices of

the products that they want to buy. The functionality that the system should

have is listed below:

- Check for the availability of the product
- Always update the list and price
- List the customer in queue if any product is not in the stock but the customer orders it
- Commission on promotion
- A total of monthly spent amount on products will be calculated

Business value: We expect that the stakeholders such as customers and shop owners all will be benefitted from the system. Such as:

- If the system gets popular then the customer and the shop owner will get equal amount of benefit
- The prices will be compared and the product with the lower price will be prioritized. As a result, there will be competitions among the shops and the customers will get benefit out of it
- At the same time, the shop owners do not have to worry about their profit as the lower price will lead them to higher sell and increased amount of profit
- **Special issues or constraints:**
- Finding the actual price of the products as many shopkeepers does not want to share the real price of the product
- There should be someone who will be giving the updated list and price of the product

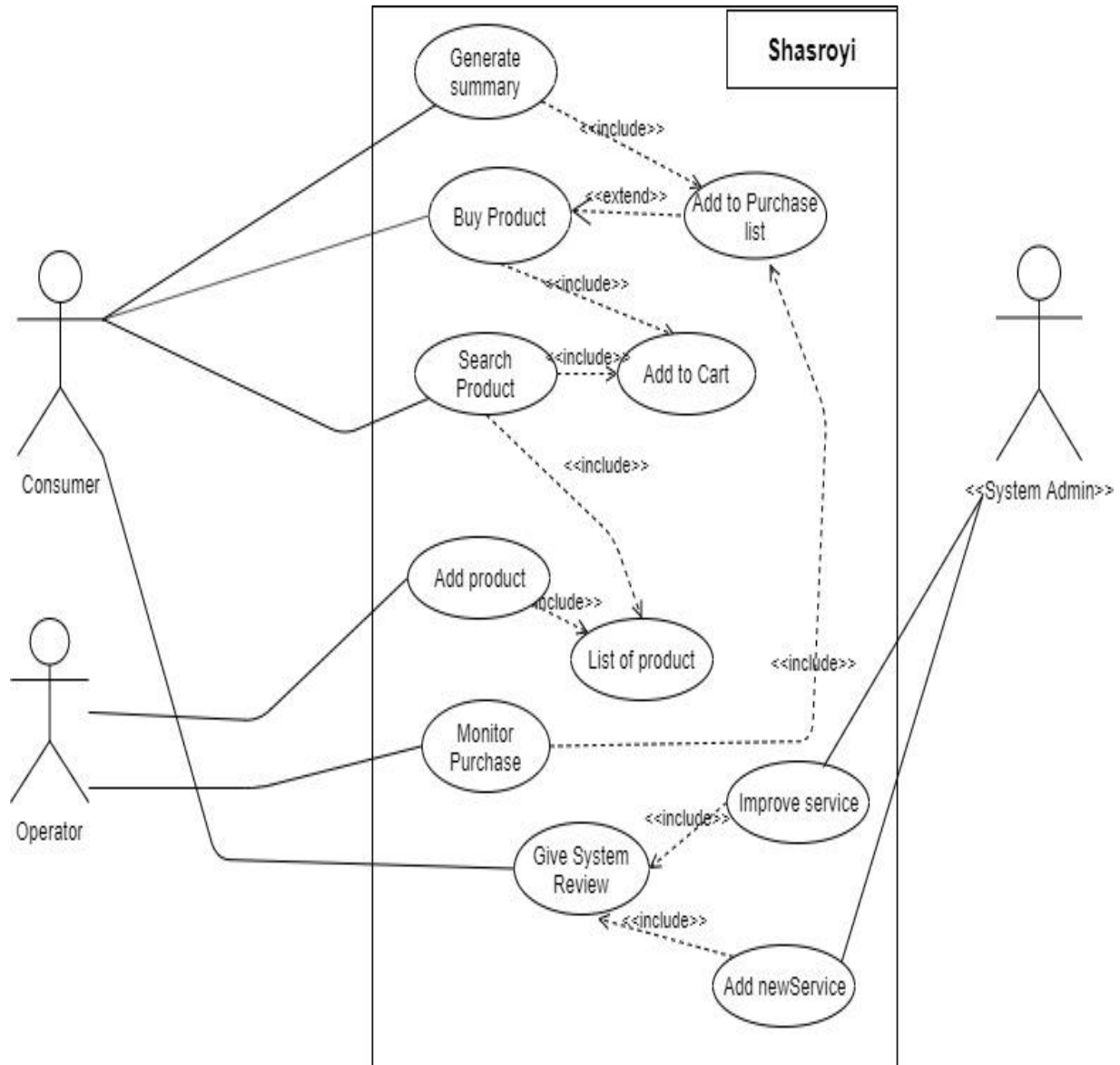
COST AND BENEFIT

	2016	2017	2018	2019
Benefit				
increased sales	300,000	500,000	650,000	730,000
improved customer service	55,000	70,000	85,000	90,000
reduced inventory cost	45,000	50,000	50,000	50,000
Total Benefits	400,000	620,000	785,000	870,000
Development cost				
- 1 server for limited user	Free (third-party)	0	0	0
-2 server	0	80,000	80,000	80,000
- computer for system development	150,000 (2 pc)	70,000(1 pc)	0	0
- server-software	0	20,000	30,000	30,000
- development team cost	275,000 (2persons)	300,000 (2persons)	325,000 (2persons)	350,000(2persons)
Total development cost	425,000	470,000	435,000	460,000
Operational cost				
Hardware	50,000	50,000	40,000	20,000
Software	10,000	20,000	20,000	20,000
Operators	80,000	90,000	100,000	120,000
Total Operational cost	140,000	160,000	160,000	160,000
Total costs	565,000	630,000	595,000	620,000

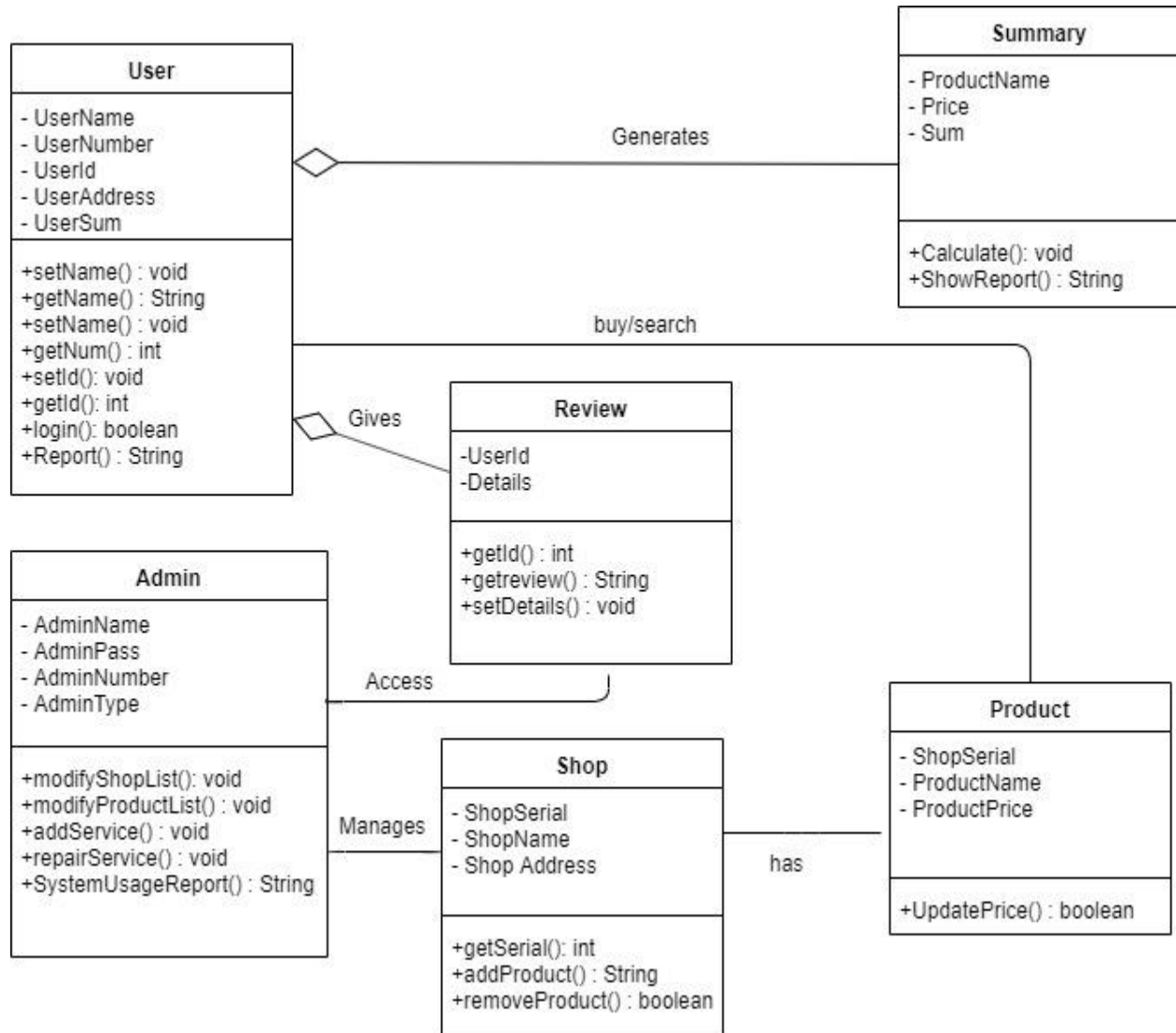
Total Costs	2,470,000
Total Benefits	2,675,000

- $BEP = 3 + \{ (2,100,000 - 610,000) / 2100000 \}$
= 3.07 years
- $ROI = ((2,675,000 - 2,470,000) / 2,470,000)$
* 100) % = 8.2 %

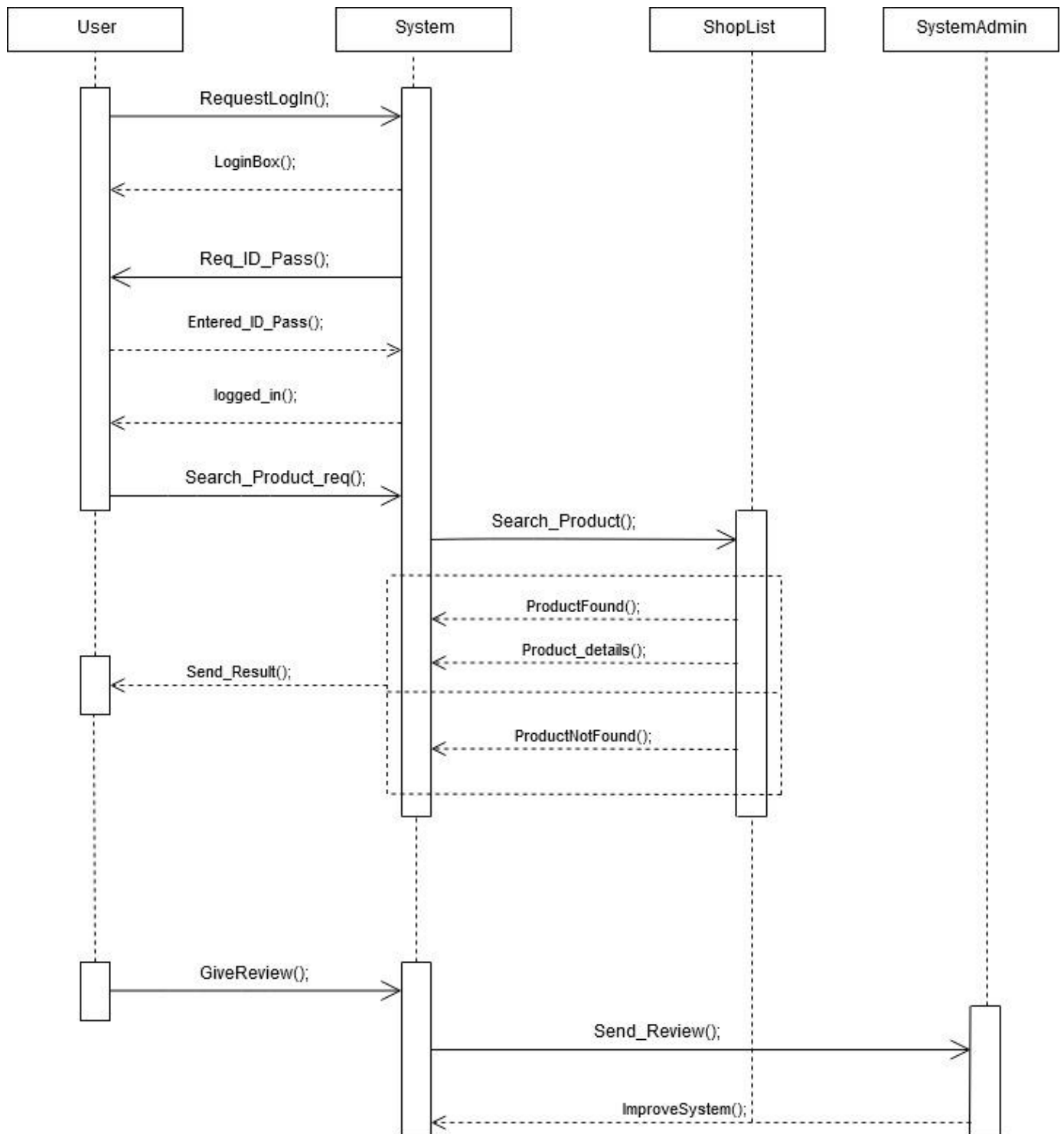
USE CASE:



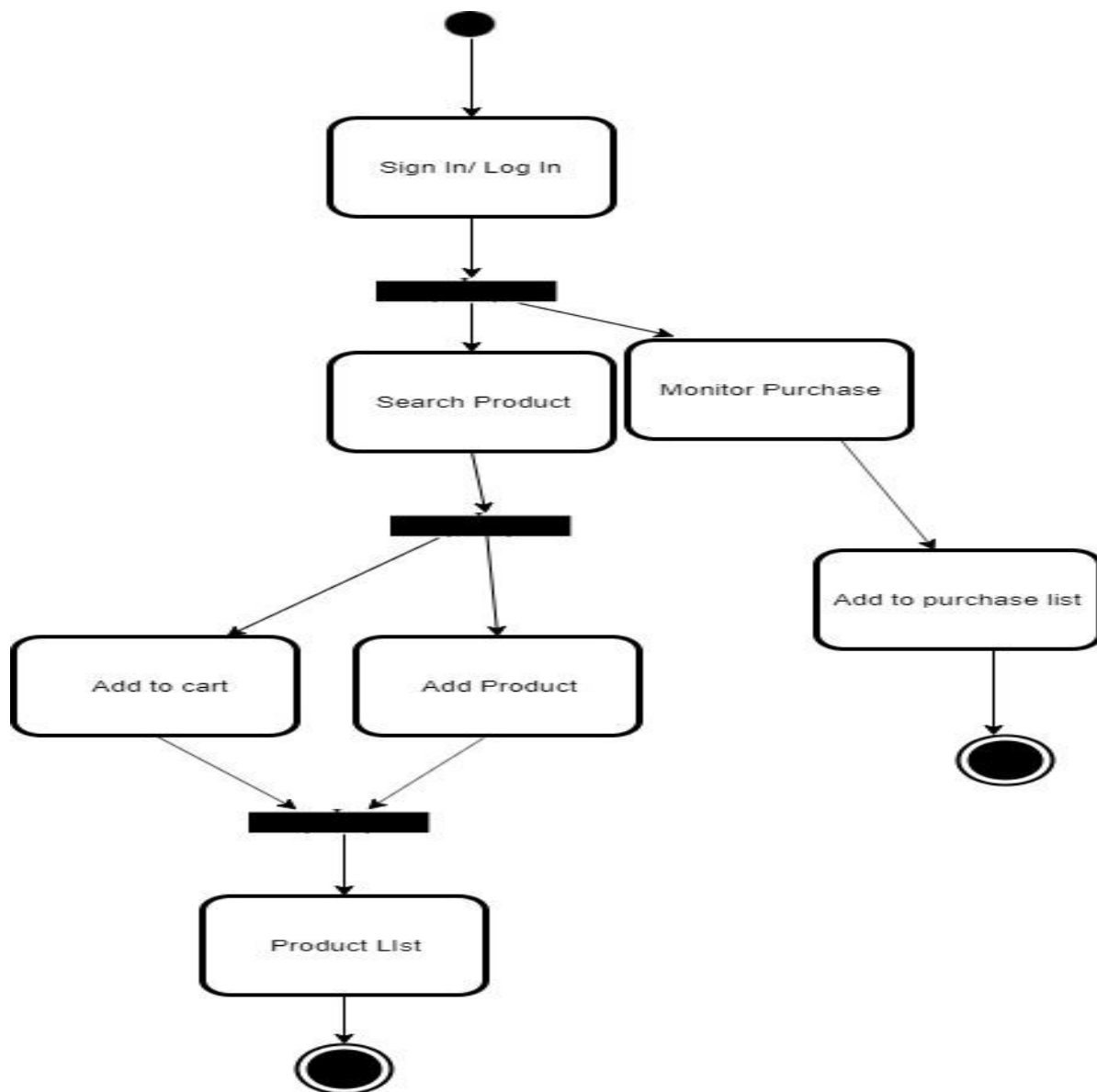
CLASS DIAGRAM:



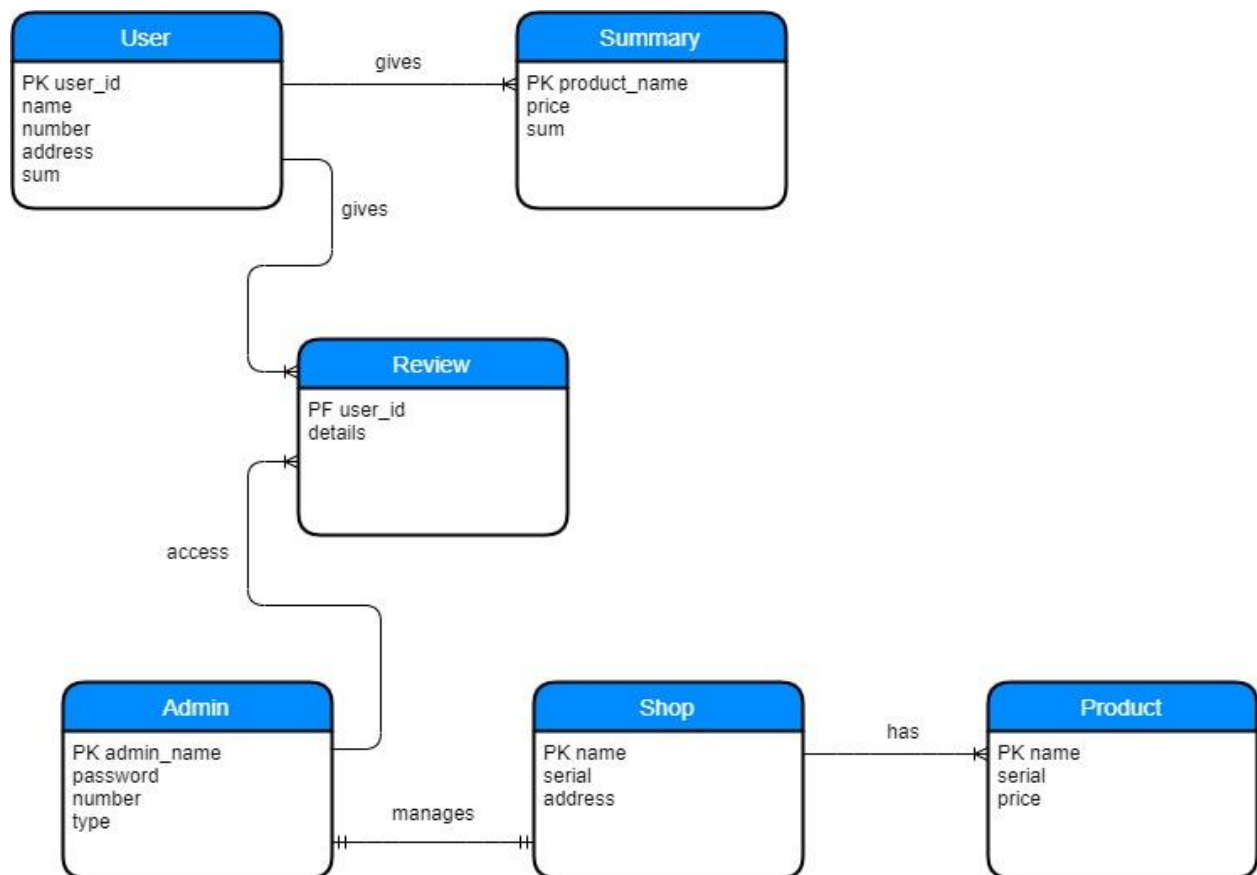
SEQUENTIAL DIAGRAM:



ACTIVITY DIAGRAM:



ERD Diagram :



SOME QUESTIONS AND ANSWERS:

- a. Yes, our product is going to add an extra value for present market, or organization or particular community because we will offer better experience of buying products from our service by suggesting the required products in the nearest place and with lowest price by comparing the prices of similar products from different shops and also try to ensure the quality of our service because quality is how a customer perceive the value of the products and the service.
- b. Yes, our idea will have competitive advantages, unique features, nobility, diversity, new dimensions or creative approaches because there is no such application which was made with the exact same feature as ours. In our system if a user wants something to buy and knows nothing about where to go and what the price is, he/she does not have to look for the product in every shop. They can now find it from our system with just one search. It is as easy as that. Additionally, as it will show the low priced product even by ensuring giving suggestion of quality products, the shop owners may reduce their price in near future as the customers are going to choose the cheapest one. So the customer will be benefited the most and the shops with having good quality products will have selling boom, so low profit will not be an issue if the sells percentage gets higher. At the end both shops and customers will get their own benefit from our system.
- c. No, our project cannot be completed within the semester timeframe since we don't have enough group members to carry out the assigned task and the amount of data we will be needing is huge, which cannot be collected in a short span of time So, it will be a pressurized situation for us to complete this project with its full functionalities but we will try to show the main concept and functions that it may server as much as possible.