
Software Requirements Specification

for

ApniDukan

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Submitted To

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Revision History

Name	Date	Reason For Changes	Version
SRS of ApniDukan	June 02,2010		1

1. Introduction

1.1 Purpose

This is the software Requirement Specification for our web store ‘Apni Dukan ‘.

Our project is all about e-shopping (A type of E-commerce). It will facilitate the user (customers) to purchase things without going to store. It will address the shopping related problems. We will give the facility to merchants to upload their products on the store for sale.

1.2 Intended Audience and Reading Suggestions

We are making this document by keeping in mind different types of readers. This document will be useful for different audience in various ways.

Audience	Use
Developers	They will use this document for guidance for design and implementation phase.
Managers	They will see the constraints all cover properly. Time and cost is within limits or not.
Marketing Staff	They can use this document to make advertisements for this web store because by reading this document they will know what the system will do? How this system is different from others.
User	They can ensure there self by reading the SRS that their needs being met in the web store or not.
Testers	They will test the implementation of the project according to the SRS base.
Documentation Writer	They will use this document during the documentation of the project. It will be really helpful for them.

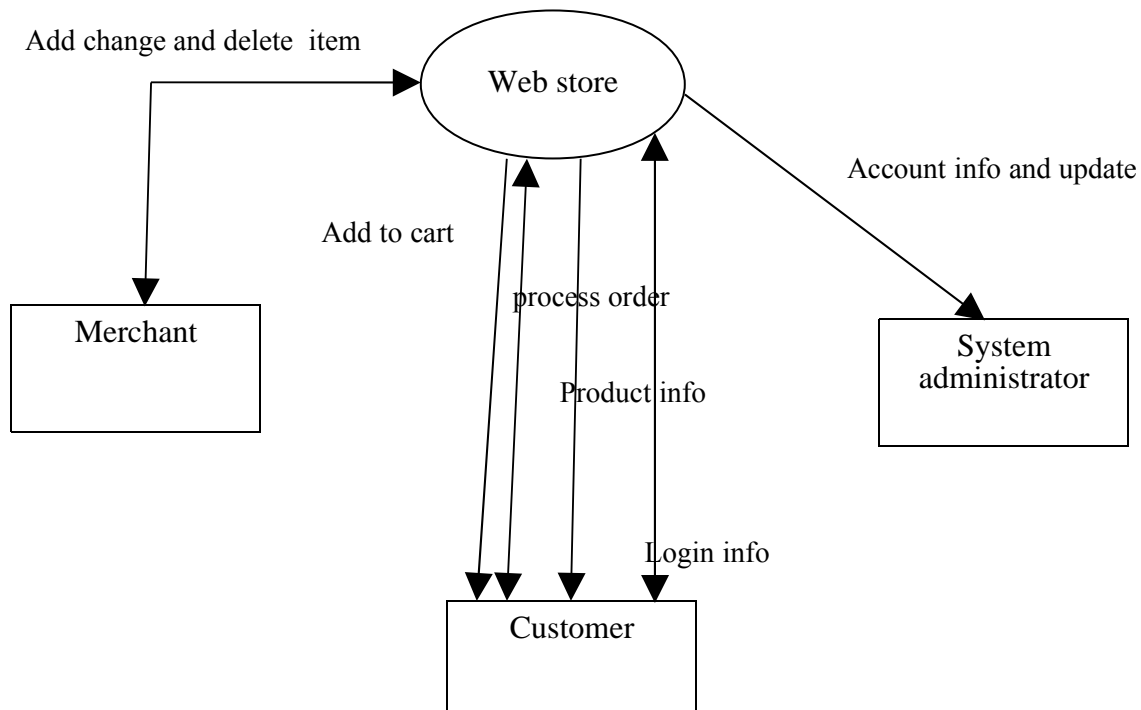
1.3 Project Scope

- We will provide the best functionality of Amazon, buy, eBay, emarkaz, beliscity, shophive etc.
- Our project is the follow on of c’s cart, general retail store etc type’s projects. It will contain most of the functionalities of these products with some new advancement..
- Our online shopping site will be available 24 hours a day and 7 days in a week. There will be partially maintenance for once a week.
- Our primary objective is to facilitate the customer. Through online shopping he will save a lot of time.
- Different companies (especially new one) will get chance of cheap advertising.
- Companies will no need to have extra stock. They can able to make products on demand.
- We will guide user to buy good products through our online help system.
- We will provide excellent security for user details especially for credit card numbers.
- We will also provide different survey, reports that show different companies performance details.
- We will manage customer accounts.
- We will provide the email facility for further correspondence.
- We will maintain database for different users.

2. Overall Description

2.1 Product Perspective

Our project is the follow on of c's cart, general retail store etc type's projects. It will contain most of the functionalities of these products with some new advancement. We will give the **Desi** touch to our store. After making this web store you will not go to other sites for different type of shopping. It will be standalone product and not depend on other software inshallah.



2.2 Product Features

To keep in view all reader we will simply describe product features. It will give merchant opportunity to sale their product and to customer to purchase product. We will also give product related gossips and actual news.

2.3 User Classes and Characteristics

<i>Class</i>	<i>Characteristics</i>
System	It will be the system administrator class He will maintain the overall web store.
Merchant	It includes the people who upload their products on the web.
Login	This class will make login of customers and merchants
Customer	It includes the people who will purchase the things. It will save the attributes of product sale.

2.4 Operating Environment

- First it will operate on Internet explorer version 6 and Google Chrome. In next increment it will browse other browsers like Mozilla, Firefox and for their different version also.
- We will use Microsoft access database in our project.
- It can be open on window XP, 98, and 7. But we recommend window XP with service pack 2.
- The processor should be at least Pentium 3 or above
- The processor speed should be greater than 400Mhz
- The video device should support graphics. For the clear view of graphics and to see video latest flash player should be installing.
- Ram should be or greater than 512 mb
- Php will be use.

2.5 Design and Implementation Constraints

- There is a true need of our product in the cyber world. So we have to complete it in minimum time say four months.
- We only use Microsoft access because it is simple and good to maintain.
- We should follow the IEEE standards.
- Default Language will be English. In next increment we will provide the facility to see the web in Urdu.
- Project will follow all the copyright and cyber laws of PTA (Pakistan Telecommunication Authority).

2.6 User Documentation

- We will give the complete documentation of the project along with software.
- We make a blog Apnidukanhelp.blogspot.com for online help.
- We will give CD's that show how to install the software.

2.7 Assumptions and Dependencies

- All things will be happen according to the plan inshallah.

3. Functional Requirements

Ref No.	Requirements	Category
	Create and maintain account	evident
	View shopping history	Hidden
	Add a product by merchant	Evident
	Delete a product by merchant	Evident
	Update a product by merchant	Evident
	Add a product in the cart by customer	Evident
	If there time password wrong then stop asking password	Frill
	Search the require item	Hidden

	View the item	Hidden
	Store the product in the category	Hidden
	GUI should be same in different browsers	Evident
	System should validate credit card information	Evident
	Give information about latest products	Evident
	Compare the prizes of different brands	Frill

4. Use Cases

4.1.1 Use case

Use Case Name	Signin
Actors	Customer
Purpose	To signup user.
Overview	This use case is about how the customer will be sign in in the web store.
Cross Reference	
Pre-condition	1)The internet connection is working. Server is not Down 2) User already sign up for web..
Post-condition	Customer successfully signin.

Typical Course of Events

Actor Action	System Response
1) Customer request for sign in page.	System will generate the page.
2) Customer will fill the required fields	System will check whether are the filled are correctly filled are not.
3) Customer will be sgin in for web store.	

Alternate Course of Events

Actor Action	System Response
1) The user fill unformatted information.	System gives error message.
2) Server is down so form did not reach to database server.	System gives error message.

4.1.2 Use case

Use Case Name	Signup
Actors	Customer
Purpose	To signup user.
Overview	This use case is about how the customer will be sign up in the web store.
Cross Reference	
Pre-condition	The internet connection is working. Server is not down.
Post-condition	Customer successfully signup.

Typical Course of Events

Actor Action	System Response
4) Customer request for sign up page.	System will generate the page.
5) Customer will fill the required fields	System will check whether are the filled are correctly filled are not.
6) Customer will be sign up for web store.	

Alternate Course of Events

Actor Action	System Response
3) The user fill unformatted information.	System gives error message.
4) Server is down so form did not reach to database server.	System gives error message.

4.1.3 Use Case

Use Case Name	Add a product
Actors	Merchant
Purpose	Add an item
Overview	This usecase is use to add the item in the webstore.
Pre-condition	User should avail the ADDITEM subscription
Post-condition	Item Is add in the webstore

Typical Course of Events

Actor Action	System Response
1)Login in to system	Confirm login
2)Select category of the product	Search the require category
3)check is product already exist if not present then continue.	Search among the products

4)fill product details include name, manufacture etc	Store the product information in the database.
5)confirm the product	Give ISBN or ADPN to customer. Make new page for product.

Alternate Course of Events

Actor Action	System Response
1a)if no account then make an account.	Open make account page.
2a) require category is not there.	Make new category.
3a)if product is present.	Reject the request of adding product.

4.1.4 Use Case

Use Case Name	delete a product
Actors	Merchant
Purpose	delete an item
Overview	This use case is use to delete the item in the web store.
Pre-condition	Merchant should avail the ADDITEM subscription User has ISBN or ADPN of the product.
Post-condition	Item Is delete from the web store

Typical Course of Events

Actor Action	System Response
1)Login in to system	Confirm login
2)Select category of the product	Search the require category
3) Check the item. Give ISBN and ADPN.	Validate that product actually belong to this merchant or not.
4)delete the product	Product content will remove from web store. His page is also deleted.
5)confirm the delete	Prompt the message that product is deleted.

Alternate Course of Events

Actor Action	System Response
1a) if no account then makes an account.	Open make account page.
2a) require category is not there.	Make new category.
3a)ISBN or ADPN is wrong	Give warning message.

4.1.5 Use Case

Use Case Name	Update a product
Actors	Merchant
Purpose	update an item
Overview	This use case is use to update the product in the web store. It may include increase the price, change category, name, image etc.
Pre-condition	User should avail the ADDITEM subsection Merchant have ISBN or ADPN of the product.
Post-condition	Item Is update in the web store

Typical Course of Events

Actor Action	System Response
1)Login in to system	Confirm login
2)Select category of the product	Search the require category
3) Select the product you want to update by giving ISBN and ADPN.	Confirm the ISBN and ADPN.
4) Update the product. Change what you want say name, price, image, description etc	Store the update product information in the database. Update the product page
5)confirm the product	

Alternate Course of Events

Actor Action	System Response
1a) if no account then makes an account.	Open make account page.
2a) require category is not there.	Make new category.
3a) if product is present.	Reject the request of adding product.

4.1.6 Use Case

Use Case Name	Add item to the cart
Actors	Customer
Purpose	Add an item
Overview	This use case is use to add the item in the web store.
Pre-condition	Login into the system.
Post-condition	Product is added in the cart.

Typical Course of Events

Actor Action	System Response
1)Search the require item	Search will be call to get require product.
2) select the item.	System adds the item in the cart.

3) customer confirm the item in the cart.	System shows the updated details of the cart.
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Alternate Course of Events

Actor Action	System Response
1a) require item is not found	Give the sorry message.
2a) Item is already in the cart	Give warning message.

4.1.7 Use Case

Use Case Name	Search the product
Actors	Customer
Purpose	To search the require product.
Overview	This use case is use to search the product from available products
Pre-condition	Login into the system.
Post-condition	Product is found.

Typical Course of Events

Actor Action	System Response
1) Search the require item	Search will be call to get require product.
2) Search the product in categories	
3) pro	

Alternate Course of Events

Actor Action	System Response
1a) require item is not found	Give the sorry message.
1b) Price is high.	

5. Nonfunctional Requirements

5.1 Performance Requirements

- You will be sign in with in 26 sec.
- If anybody make new account then he will receive confirmation email within 6 minutes.
- Search results shown within 15 sec.
- Credit card validate within 5 sec.
- Web support 200 customers logged at the same time.

5.2 Safety Requirements

- We will try the best to make product safe.

5.3 Security Requirements

- Web store will validate credit cards against fraud.
- Web store keep the information of the customers and merchants safe.
- Web store obeys all the security laws of Pakistan relating to cyber traffic.
- The commission decided between merchant and administrator will not be published.

5.4 Software Quality Attributes

- The web store well is easy to use.
- It will be easy to learn how to operate it.
- The web store will show easy to locate buttons
- The web store use simple English so that user cannot confuse with terms.
- The web store should be easy to upgrade

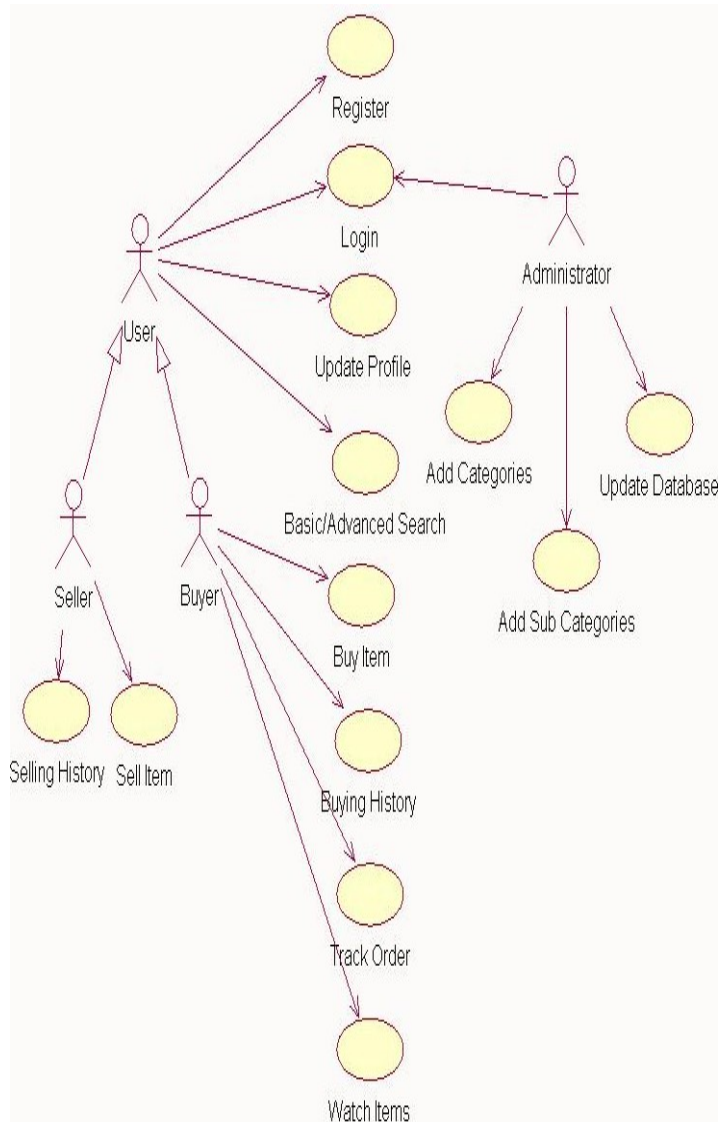
Appendix A: Glossary

Term	Description
Electronic commerce	Commonly known as e-commerce or ecommerce, or e-business consists of the buying and selling of products or services over electronic systems such as the Internet and other computer networks
SRS	Software Requirement Specification
ApniDukan	It is the name of our online shopping website. It is an Urdu word whose meaning in English is our shop.
Web store	It is the name that we give for the online shopping system throughout the SRS.
C's cart	It is software that is able to install on different websites. It gives the online shopping facility to the websites.
General retail store	It is software that is able to install on different websites. It gives the online shopping facility to the websites.
Desi touch	It will be an Islamic Pakistani website. We will maintain it's this look. For example its color will be green.
Merchant	It refers the people who add the product in the web store for the sale. They are the important part of our project.
Customer	It refers to the people who will purchase the things from the web store.
Micro Access	A database.
PTA	Pakistan telecommunication authority maintains the cyber authority.
IEEE	Institute of Electrical and Electronics Engineers
Evident	Requirement that is clear and must be implemented.
Frill	Requirement without which system can also work well.

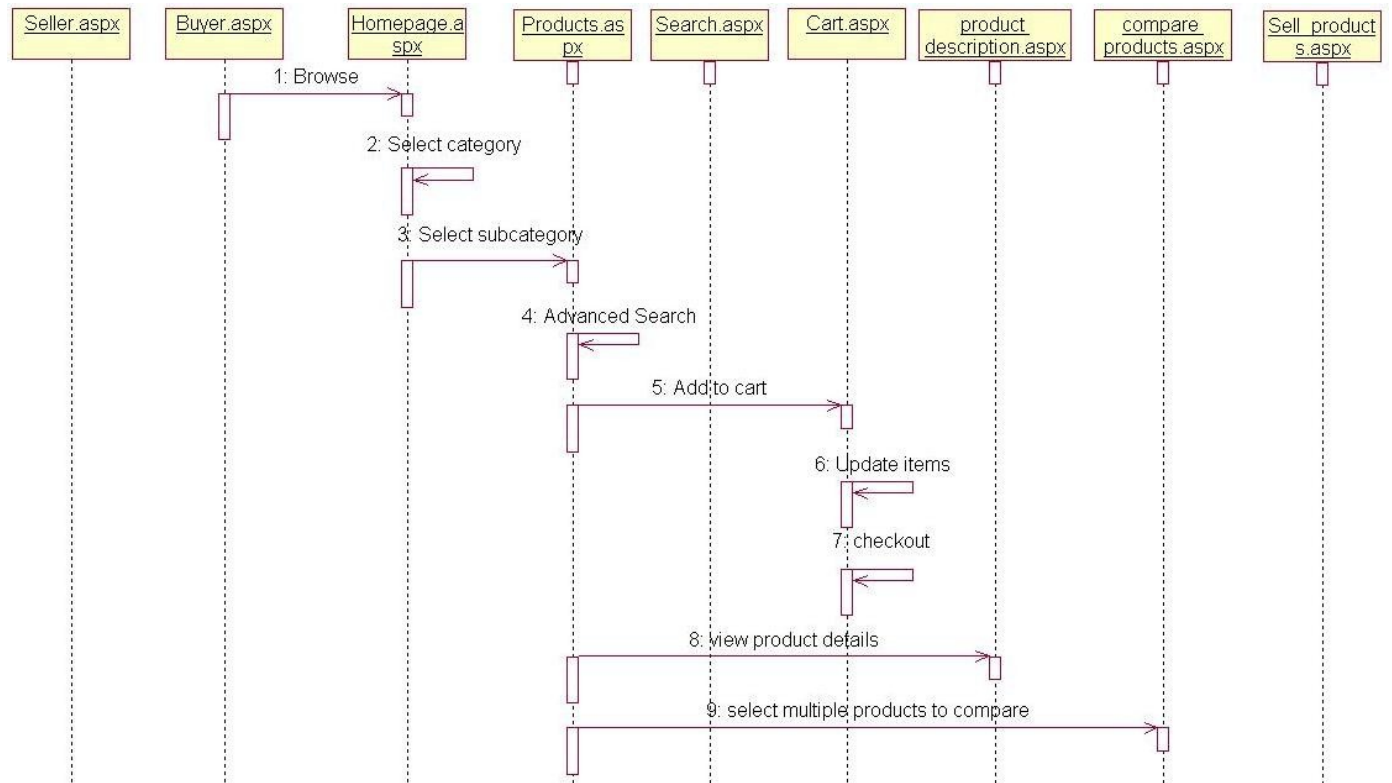
Hidden	Requirement that is not explicit but fulfilled.
ISBN	International standard book number
ADPN	Apni Dukan product number
ADDITEM subscription	This subscription will allow the merchant to add product. We will take some credit for this subscription to check the sincerity of the user.

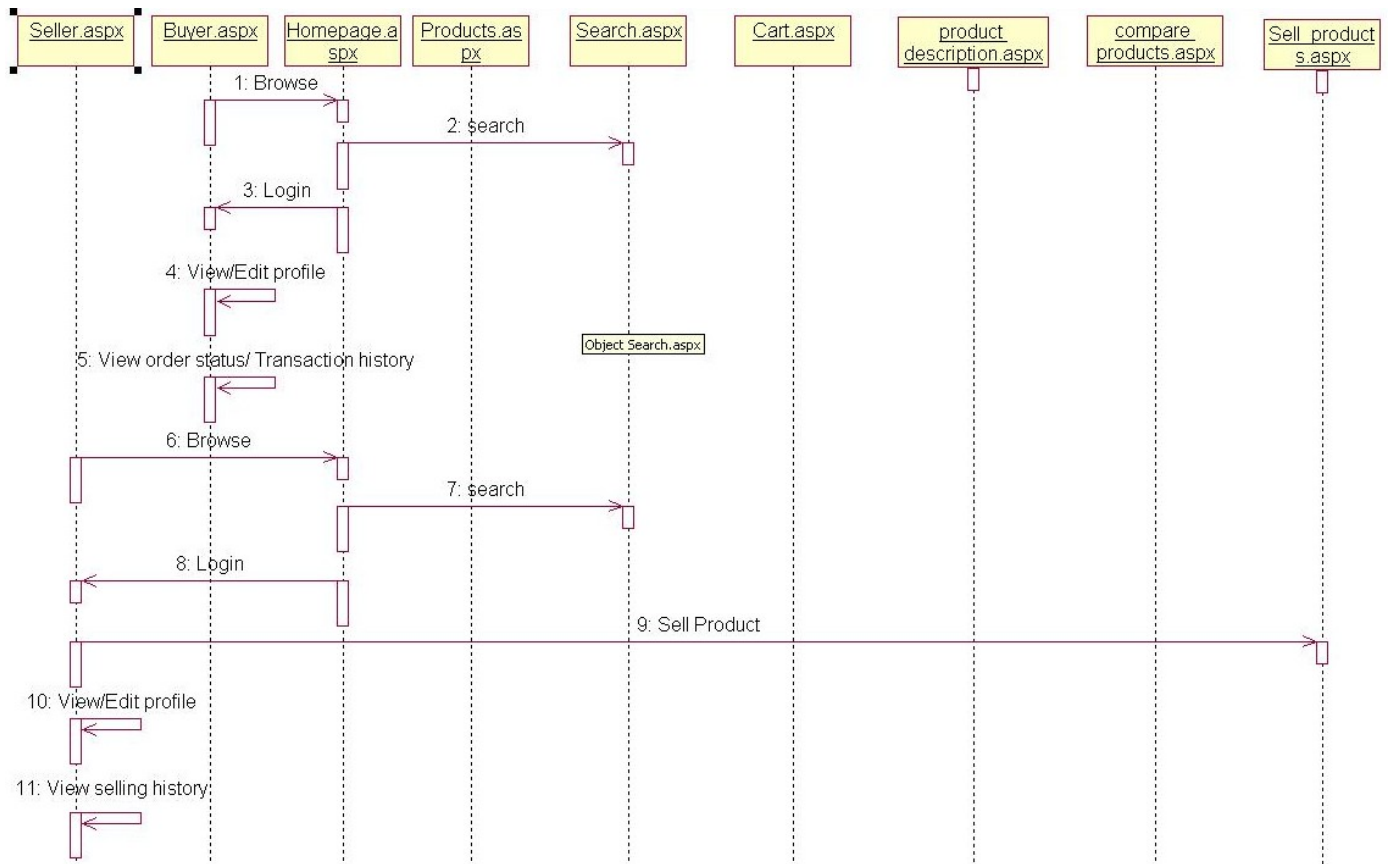
Appendix B: Analysis Models

B.1 Use Case Diagram



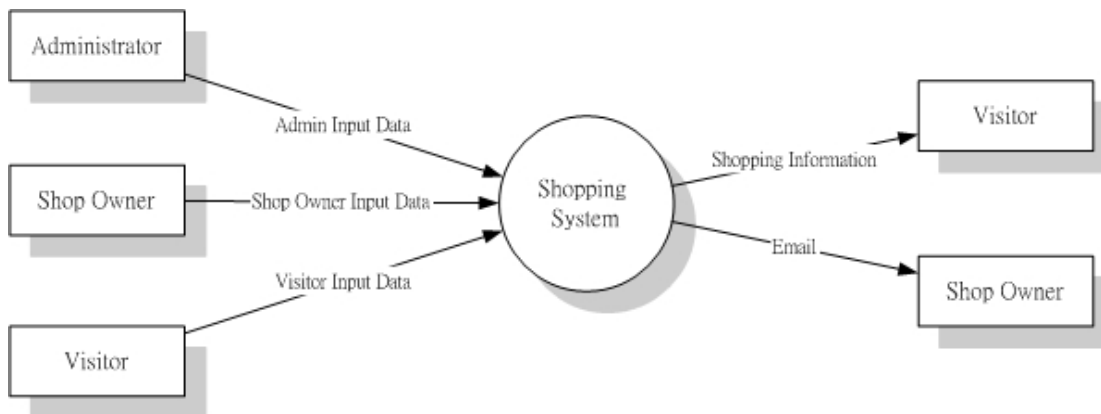
B.2 Sequence Diagrams



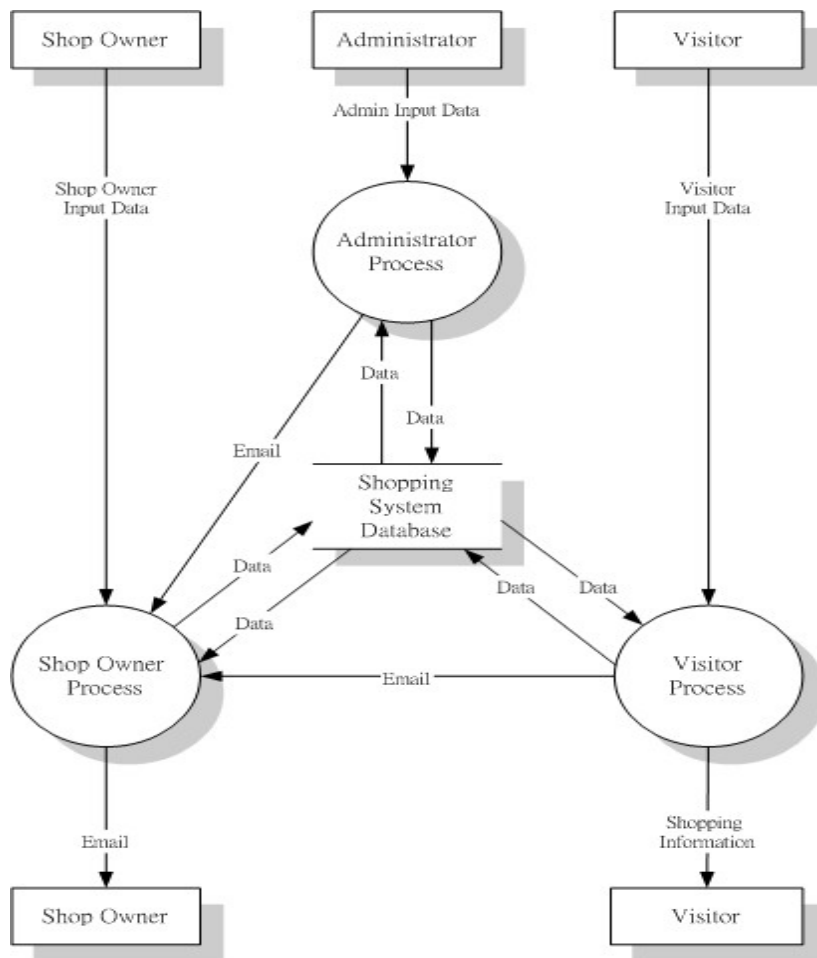


B.3 Data Flow Diagram

Level 1



Level 2



Level 3

