



AN ISO 9001:2000 CERTIFIED TRAINING INSTITUTION

NETTUR TECHNICAL TRAINING FOUNDATION

SYNOPSIS

ON

ONLINE CIVIL SERVICE

PROJECT DONE BY

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DIPLOMA IN COMPUTER ENGINEERING

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AN ISO 9001:2008 CERTIFIED TRAINING INSTITUTION

NETTUR TECHNICAL TRAINING FOUNDATION

Certificate

This is to certify that the project titled

ONLINE CIVIL SERVICE

is a bonafide record of the project work done by

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in partial fulfilment of the requirement for the award of **Diploma in Computer Engineering** under the institution Nettur Technical Training Foundation, Jamshedpur Training Centre, during the Academic year 2015 – 2018.

PROJECT GUIDE

EXTERNAL EXAMINER

UNIT HEAD

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ACKNOWLEDGEMENT

We, hereby declare that we, the members of the team '**galaxy**', would like to accomplish our mega- project under the guidance of our project guide Mr. Mrinmoy Kumar Mahato.

We are very grateful to all the Supporting Staff Members who helped and motivated us whenever required. We also thank to our section incharge Mr. Mrinmoy Kumar Mahato, our HOD Mr.Ramesh Ray and our principal sir Mr.Satish Joshi unity to explore ourselves. Last but not the least; We would like to thank our Classmates who were ready to help us whenever required.

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1.0 DEFINITION OF THE PROBLEM

1.1 WHAT IS THE PROBLEM?

There has always been a problem in purchasing and selling of the products. Therefore, the problem defined here which is to be solved by this project "Online Civil Service" are as follows: -

- 1.** Wastage of time searching the products from one shop to other by visiting personally.
- 2.** In some of the tedious locations it's nearly impossible to get sufficient number of products.
- 3.** Variation in the costing of products.
- 4.** Buying products from untrusted dealers can lead to a massive variation in the purchased product.
- 5.** The people involved in the civil activities or the customers may be involved in various other works.

1.2 USERS OF THE SYSTEM

Administrator=The administrator has the full privilege to access the software.

The control assigned to the administrator are as follows: -

1. Addition of new products and deletion of the existing products and correspondent customers and shopkeepers.
2. Reviewing shopkeeper's selling transaction and report generation.

Vendors and Shopkeepers=The shopkeepers using the software must ensure that the products must be added in their stock when empty.

The control assigned to the shopkeepers are as follows: -

1. Updating, adding, deleting, modifying of products available in stock.
2. Reviewing of the products sold to customers and report generation respective to product name, month and customer name.

Customers=The customers using this software can place their respective orders as per the stock of the products available with the shopkeepers and vendors.

The control assigned to the shopkeepers are as follows: -

1. Visiting, viewing, placing order and cancelling order of the products available.
2. Saving ordered products in stock and viewing the overall ordered products and report generation.

1.3 EXISTING SYSTEM

- 1.** There is no such existing system available for the delivery of the civil products.
- 2.** This project "Online Civil Service" maybe implemented as new turn in the supplying of civil products to customers.

1.4 STUDY ON PROPOSED SYSTEM

This system has been revised to overcome the above drawbacks. It aims to achieve the following

- 1.** System should be user friendly with great efficiency and reliability.
- 2.** System should help in reducing the manual work to maintain the data securely and orderly.
- 3.** It should be enabled easier and faster as well as quick search of data
- 4.** Processing time to share data search data should be minimized.
- 5.** System should retrieve all necessary data for future use without loss of data from resources.

2.0 FUNCTIONAL REQUIREMENT

2.1 NEEDED FUNCTIONAL REQUIREMENTS

The needed functional requirements of the project "Online Civil Service" are as follows: -

- 1.** Provides a modernized interface to supply and sell the civil products to customers.
- 2.** Provides a separate module for the shopkeeper and vendor to work on.
- 3.** Provides a feature to add, edit and update products, customers as well as trusted and identified shopkeepers and vendor's details.
- 4.** Keeps the purchased and sold data safe,
- 5.** Provides a feature to view the data sold and added along with the customers and shopkeepers.
- 6.** Provides easy administrative methodology to the administrator to manage the proper working of the software.

2.2 PLATFORM NEEDED

FRONT END: -

ASP.NET. 2008

BACK END: -

SQL Server 2005

2.3 RELIABILITY REQUIREMENT

The reliability requirement for this project are as follows: -

- 1.** The data and information stored are secure.
- 2.** This system provides an efficient and separate workspace for the shopkeepers.
- 3.** This software can be accessed on system having internet.
- 4.** The changes made can be easily accessed from a network-based system from anywhere in spite of searching it locally.
- 5.** Offers secure purchase of products from trusted shopkeepers.
- 6.** Multiple users can use this software at once performing multiple works.

3.0 DESIGNING OF THE SYSTEM

3.1 SYSTEM REQUIREMENTS

HARDWARE: -

PROCESSOR: Pentium (32 bit) and above

RAM: above 1GB

HARD DISK: 500 GB and above

SOFTWARE: -

1. ASP.NET.2008
2. SQL Server 2005

3.2 MODULES AND TERMS OF THE SOFTWARE

1. USER DATA MODULE=This module is used to help the user's in proper authentication either "Administrator", "Customer" or "Shopkeeper". This module also helps to segregate their data depending on their "Username" and "Password".

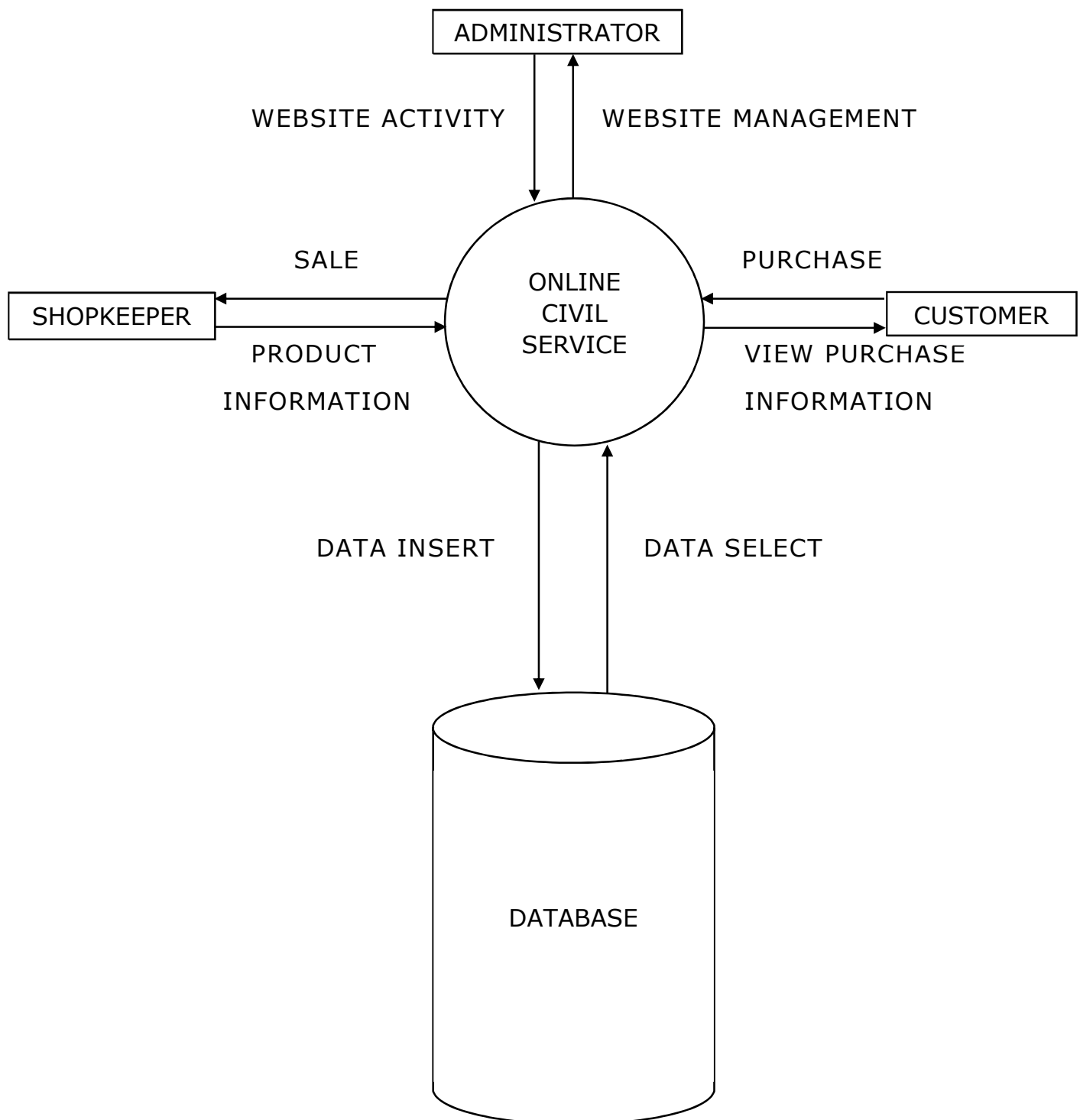
2. STOCK MODULE=This module helps the shopkeepers to shopkeeper to maintain their respective products stocks. This module helps the shopkeepers in either addition, deletion, updating and reviewing the stock products. The products and price available for the products is seen by the customers in the product view page.

3. PRODUCT ORDER MODULE=This module helps the customers to order and store the desired ordered products in this module. This module helps to perform safe ordering of the products by the customer's.

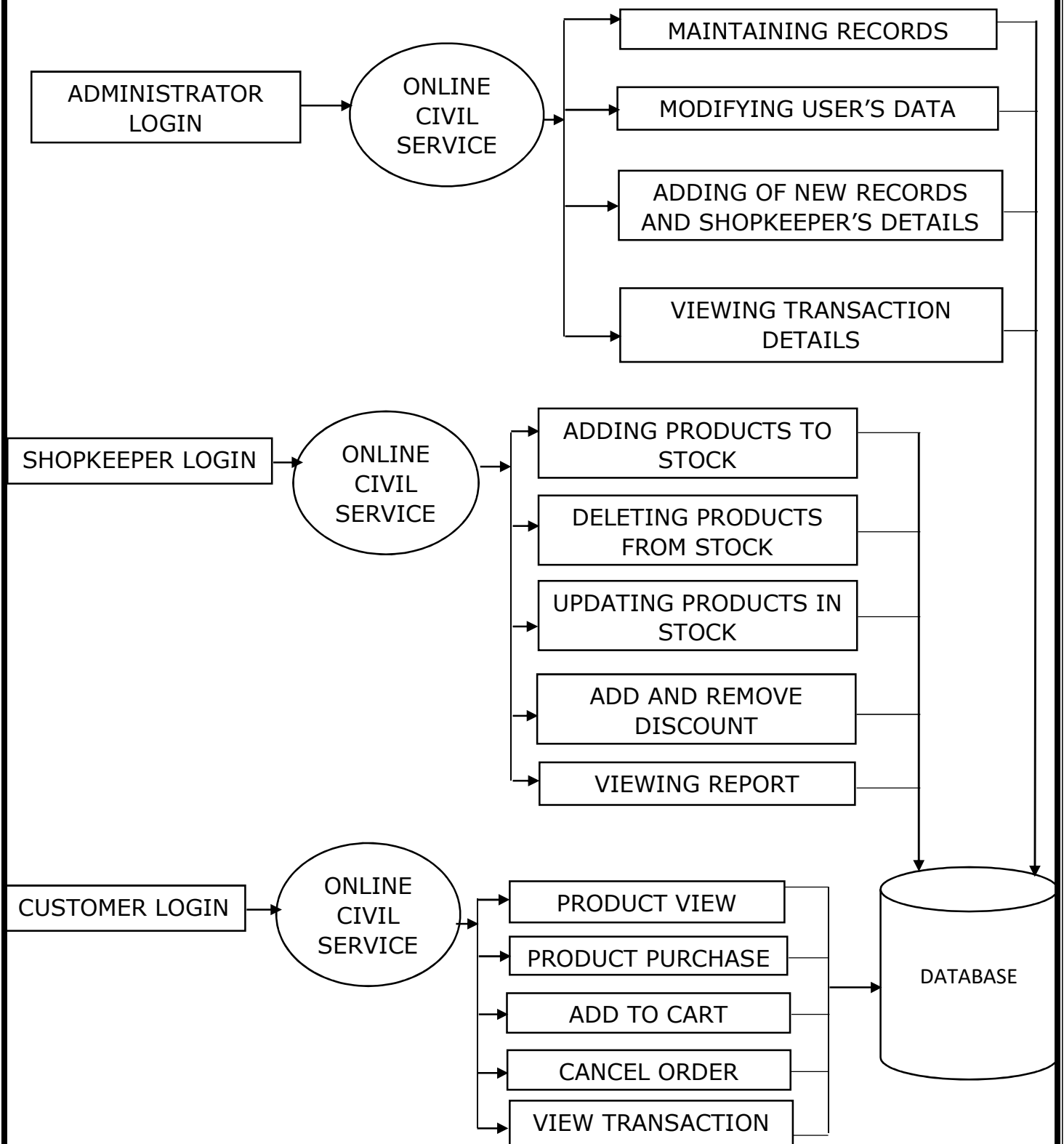
4. CART MODULE=This module helps the customers to add the desired products by the customers. This module keeps track of the products added by the respective customers in the module.

5. TRANSACTION MODULE=This module helps the customers to view the ordered products and keep record of it. Simultaneously it helps the shopkeepers to view the customers product order details. Even it helps the administrator to view the products sold by the shopkeepers.

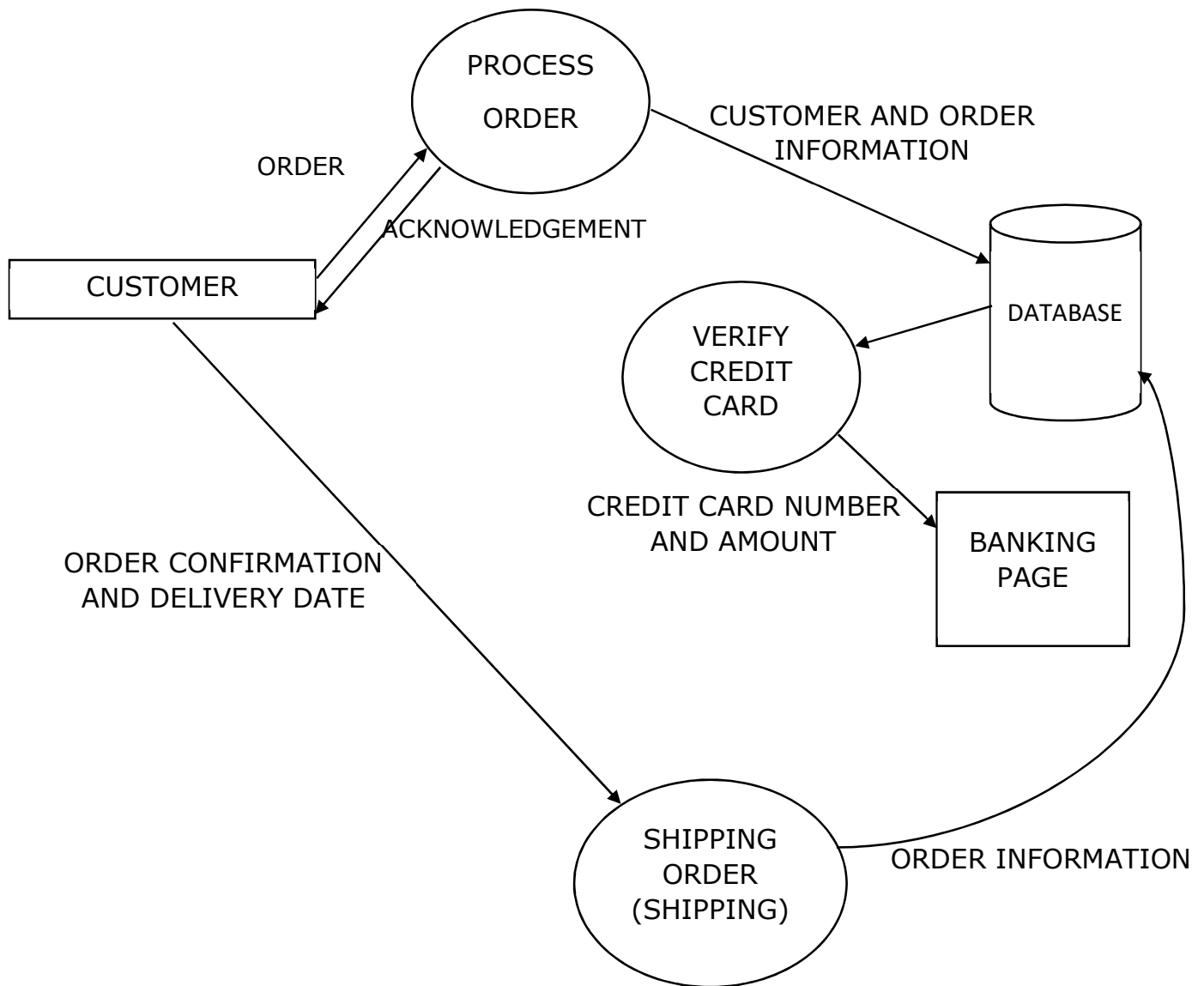
3.3 THE INTERFACES BETWEEN THE MODULES

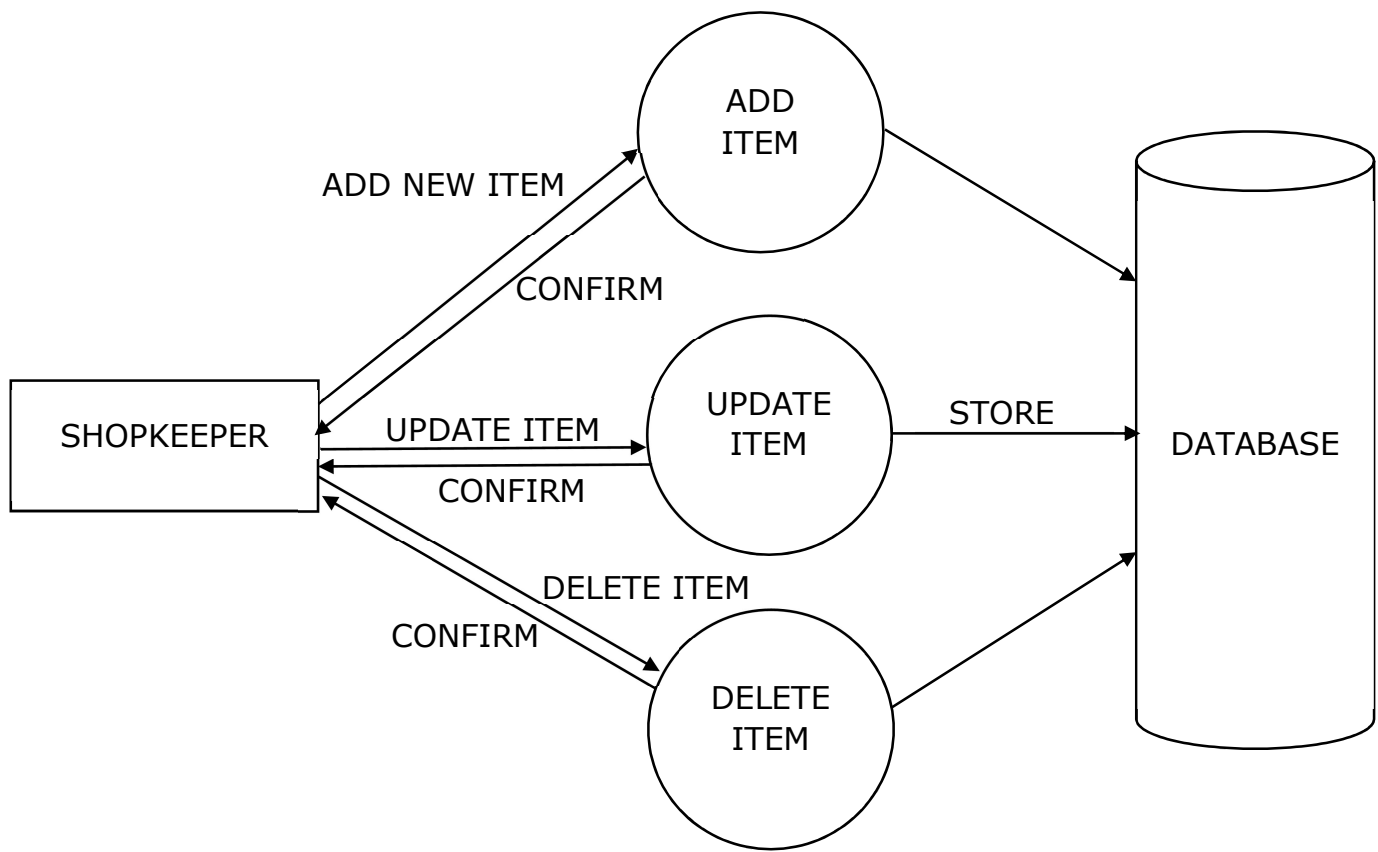


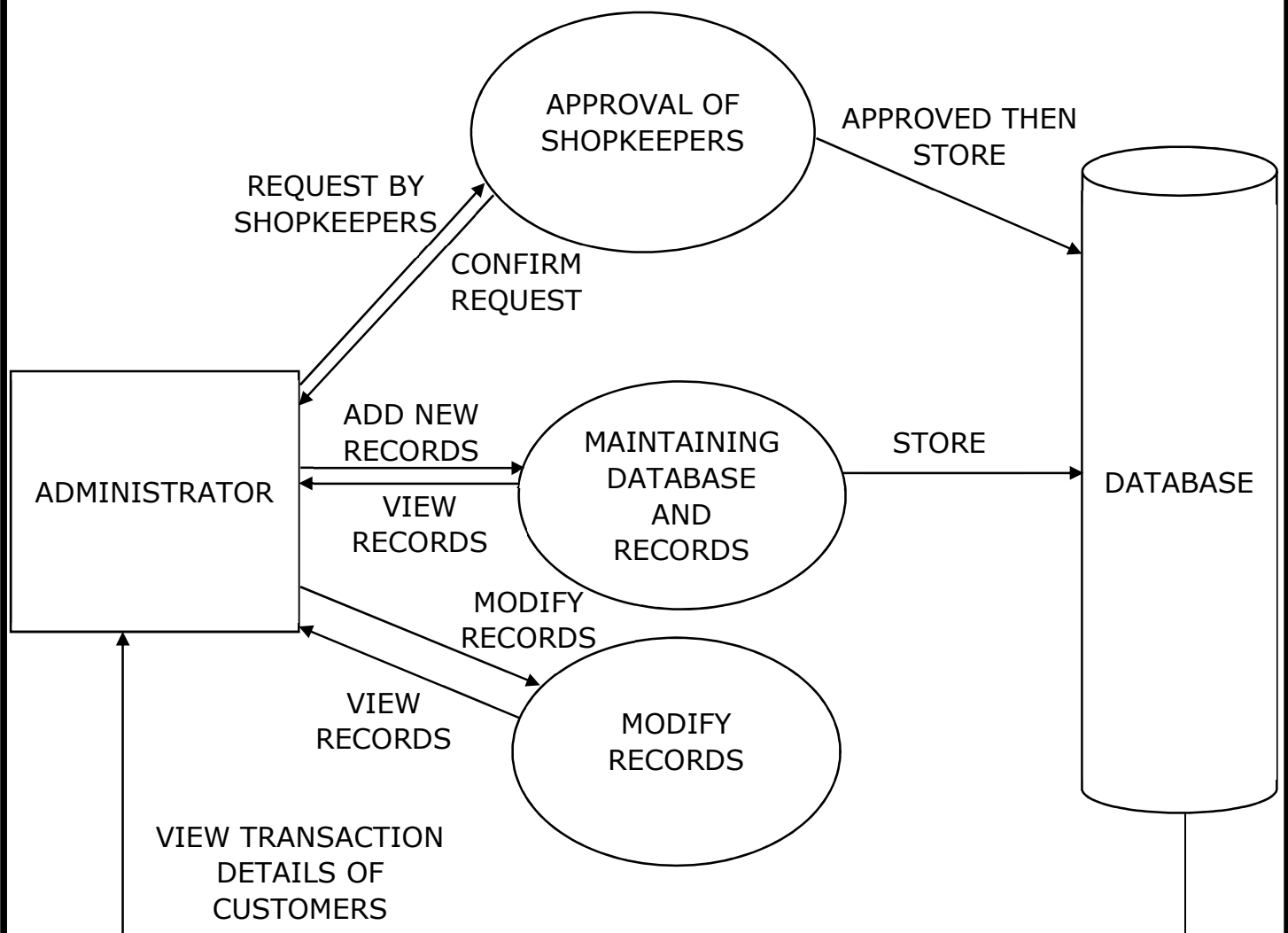
3.4 SERVICES PROVIDED BY THE INTERFACE



3.5 CODING OF THE INFORMATION TRANSFERRED THROUGH INTERFACES







4.0 IMPLEMENTING STRATEGY

The strategy which is need to be implemented is that hosting this software into a web-based application system.

Why implementing in web-based system?

- 1.** Users can easily access the application from any computer connected to the internet using browser.
- 2.** This contrasts with traditional desktop applications which are installed on a local computer.
- 3.** Efficient sharing of data from one place to another.
- 4.** Helps in various types of security some of which is not present in local PC's.

5.0 TESTING METHODS

The testing method applied here for testing the of this software "Online Civil Service" is "Unit Testing".

A unit testing is a software testing method by which individual units of source code, sets of one or more computer program modules together with associated control data usage. Manual testing method is applied in order to test each module efficiently.

Why unit testing?

The main purpose of applying unit testing method in the testing procedure of the software are as follows: -

- 1.** It helps to test each module of the project efficiently when doing manually.
- 2.** Its main purpose is to provide a bug-free application.
- 3.** It can test a set of one or more PC systems modules along with the related control information, methodology and working techniques are tried out to test or to figure out if they are fit to use.

6.0 THE SCHEDULE OF THE PROJECT

GANTT CHART

Sl.No	ACTIVITIES	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18
1	planning the project.																		
2	Designing the project																		
3	Preparing Database																		
4	Coding (development)																		
5	Testing of project (verification & validation)																		
6	Implementati on																		

Colour coding status



: - completed



: - in process



: - not completed

7.0 APPROXIMATE COST ESTIMATION

No special tool cost required.

CONCLUSION

In this report, we have reviewed the problem statement of the shop. The objective and scope are made for the solution about the problem. The main objectives to develop this application is to help the shopkeepers and the customers to do efficient selling and purchasing of civil products safely and to implement digitalization in the modern selling and purchasing of products and to reduce manual work.