BUNDELKHAND INSTITUTE OF ENGINEERING AND TECHNOLOGY JHANSI

Department of Information Technology

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Software Requirement Specification Report

On

ONLINE SERVANT BOOKING SYSTEM

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1. <u>INTRODUCTION</u>

In metropolitan cities it has now become harder to find an assistant for the housewives. Out project ensures an easy way for them to find a maid, babysitter, driver or a cook according to their needs. She will have the privilege to choose the gender/age group/and the time slots she is comfortable with. They will also get to pay the helper for the number of days they gave the service

This system also reduces the tantrums of the maid by ensuring that the pay rise will never be caused once the maid is hired. No direct transactions will be made between the servant and the customer.

1.1. Purpose

The purpose of this document is to capture, in natural language and at a functional level, the description and requirements to book a servant online and manage its day to day activities for a customer. The focus here is the national booking of a servant. This is a functional description of those features required to address current helpers in day to day life. A short discussion accompanies each requirement, to add the background and framework necessary to explain the functionality. It also describes nonfunctional requirements and other factors necessary to provide a complete and comprehensive description of the requirements for the software.

1.2. Intended Audience

This is mainly intended for the housewives who find it troublesome to find a house maid or a babysitter. It is also intended for anyone who wishes for a driver on daily basis. In general it is mainly for the common people in the country to get an assistant at the doorstep. This will increase the employment of the servants and hence it is also focusing on the fair pay of the servant

1.3. Product Scope

This product has a great scope in future. It can be used on a world wide scale where the servants can be appointed on a large scale which will ensure the easy filter of the worker according to ones need. Then, the customers will have to compromise very less or not at all and they will be getting the desired servant at their doorstep. Right now we are just implementing it on a small scale to test the needs of the market.

2. <u>OVERALL DESCRIPTION</u>

2.1. Product Description

The product aims at easing the hiring process of a servant by digitalizing the process and making the payment calculation easier. The project contains 3 logins namely- customer, admin and the locality representative. Keeping in mind the inapproachability of servants to the online portal, we will provide the offline application of worker which will be verified by the locality representative, and finding all the details correct the locality representative can the add the worker details to the database making him or her the valid user. Customer can then choose the servant from the list according to its needs.

2.2. Product Function

The main function of the product is to provide easy access of servants across the country and secondly to increase the employment. We wish to eradicate the concept of self hiring of a servant in a house as it will decrease the chances of fraud and other crimes as the central authority here holds the power. Customer will be free from the tantrums of the servants as the servants here will deal with the locality representative and they are initially told the amount of service they are required to provide.

2.3. User classes and characteristics

Admin Class

1. Post the requirement of the local representative as an application link
2. Interviews the candidates
3. Registers the local representative
4. Can add or delete the customer profile
5. Can add of delete the local representative
6. Can add or delete the worker
7. Have access to the payment details hence the payment database
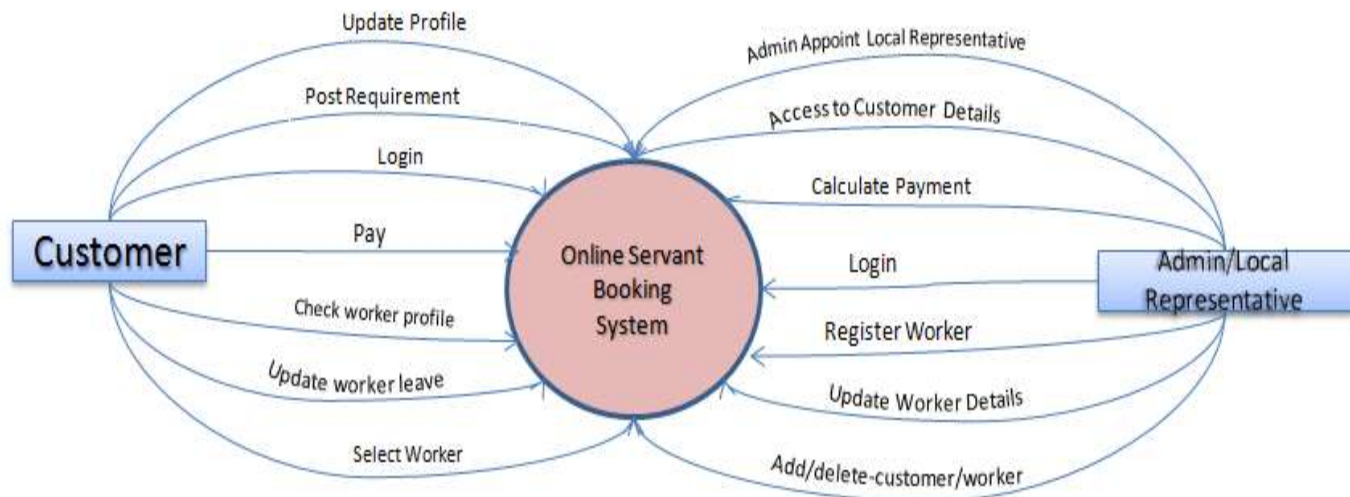
Local Representative Class

1. Can register the worker from the offline application of the worker after performing the background check.
2. Receive the no. of leaves from the customer and calculate the payment details
3. Can remove the worker from the database as per required
4. Send the confirmation to the user about the booking of the worker
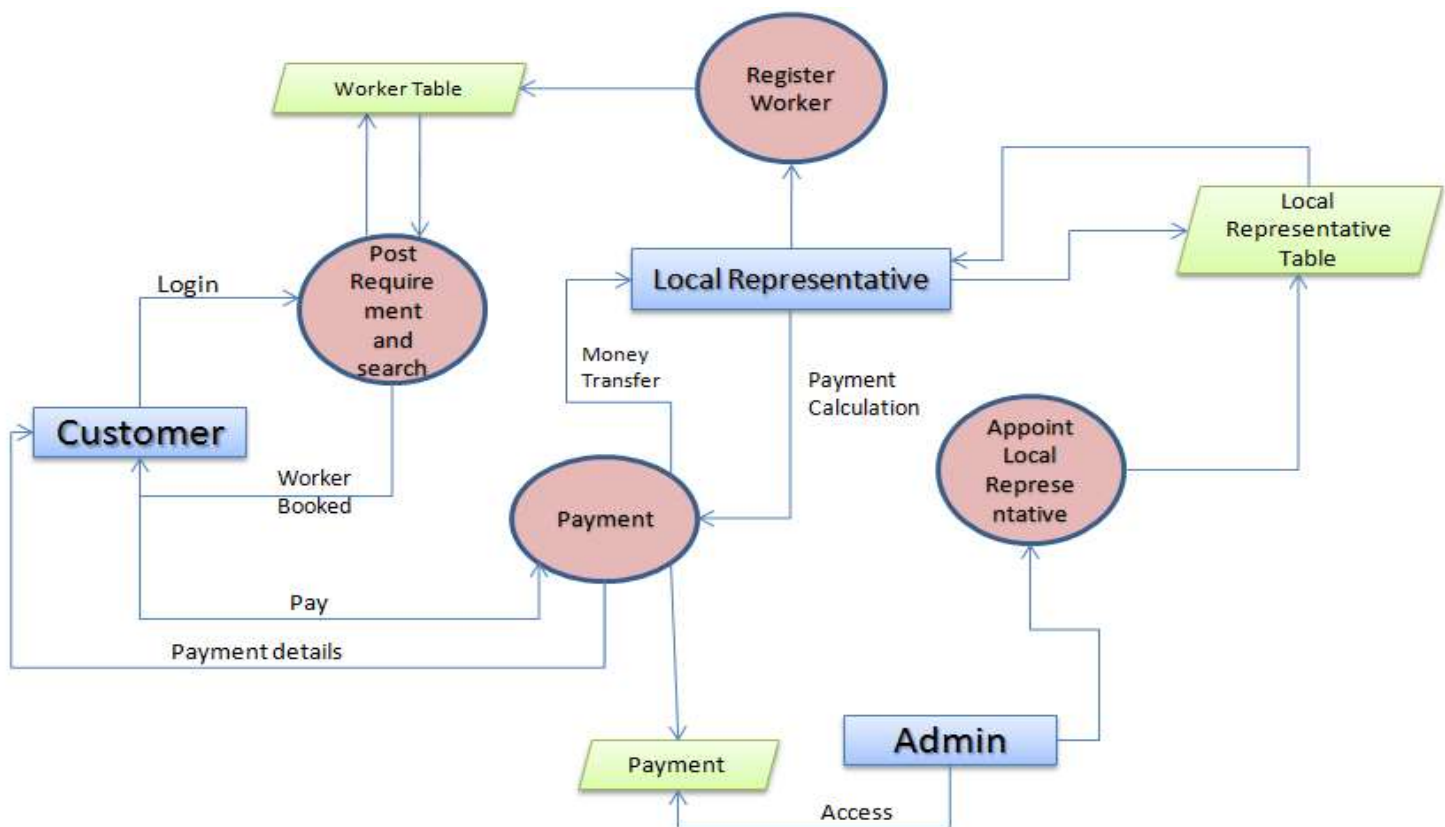5. Update his or her profile

Customer Class

1. Fill the form regarding the details of the worker required
2. Select from the shortlisted workers
3. Update about the leave of the worker
4. Pay the amount asked by the Local Representative
5. Give the feedback about the worker
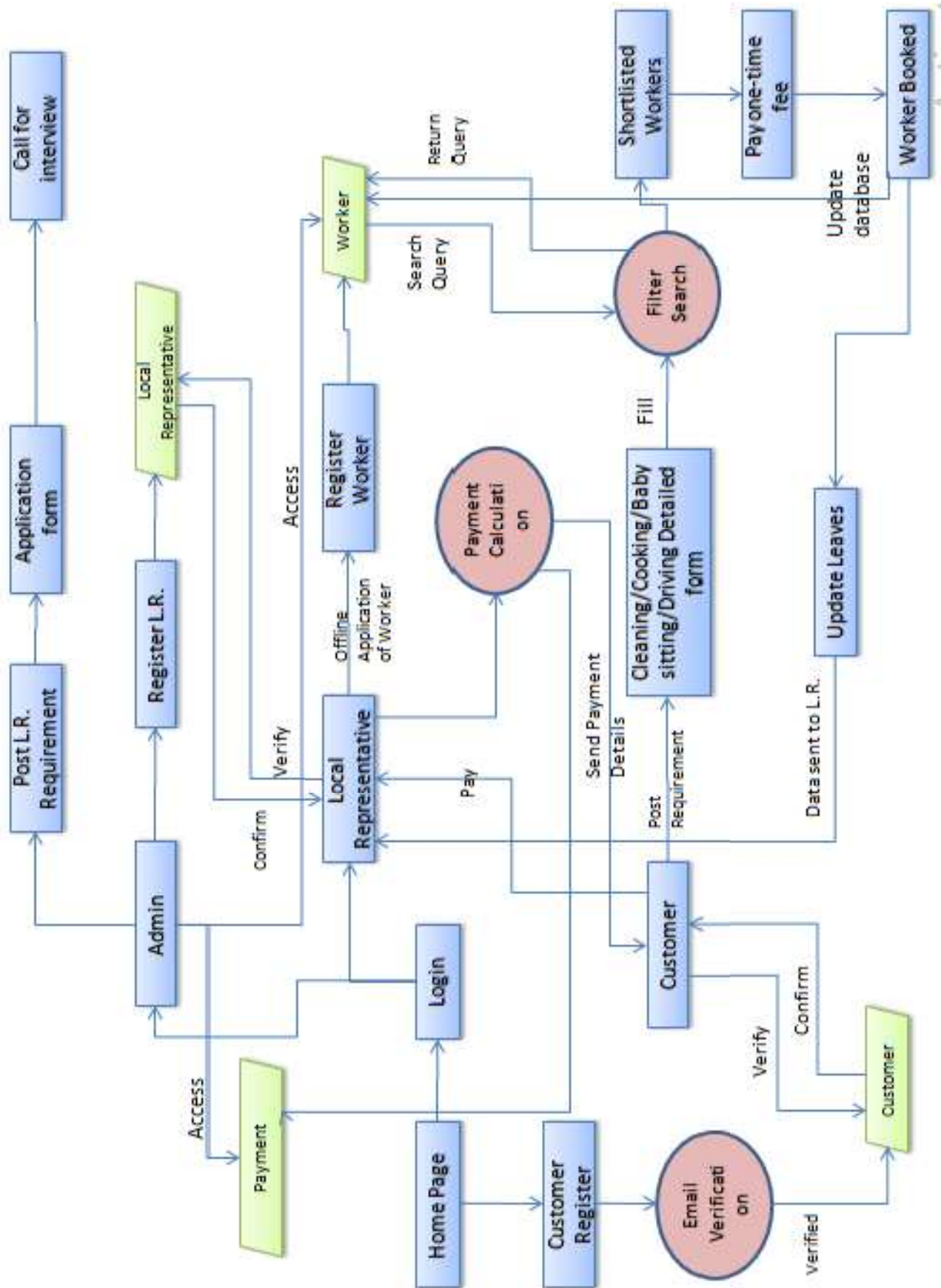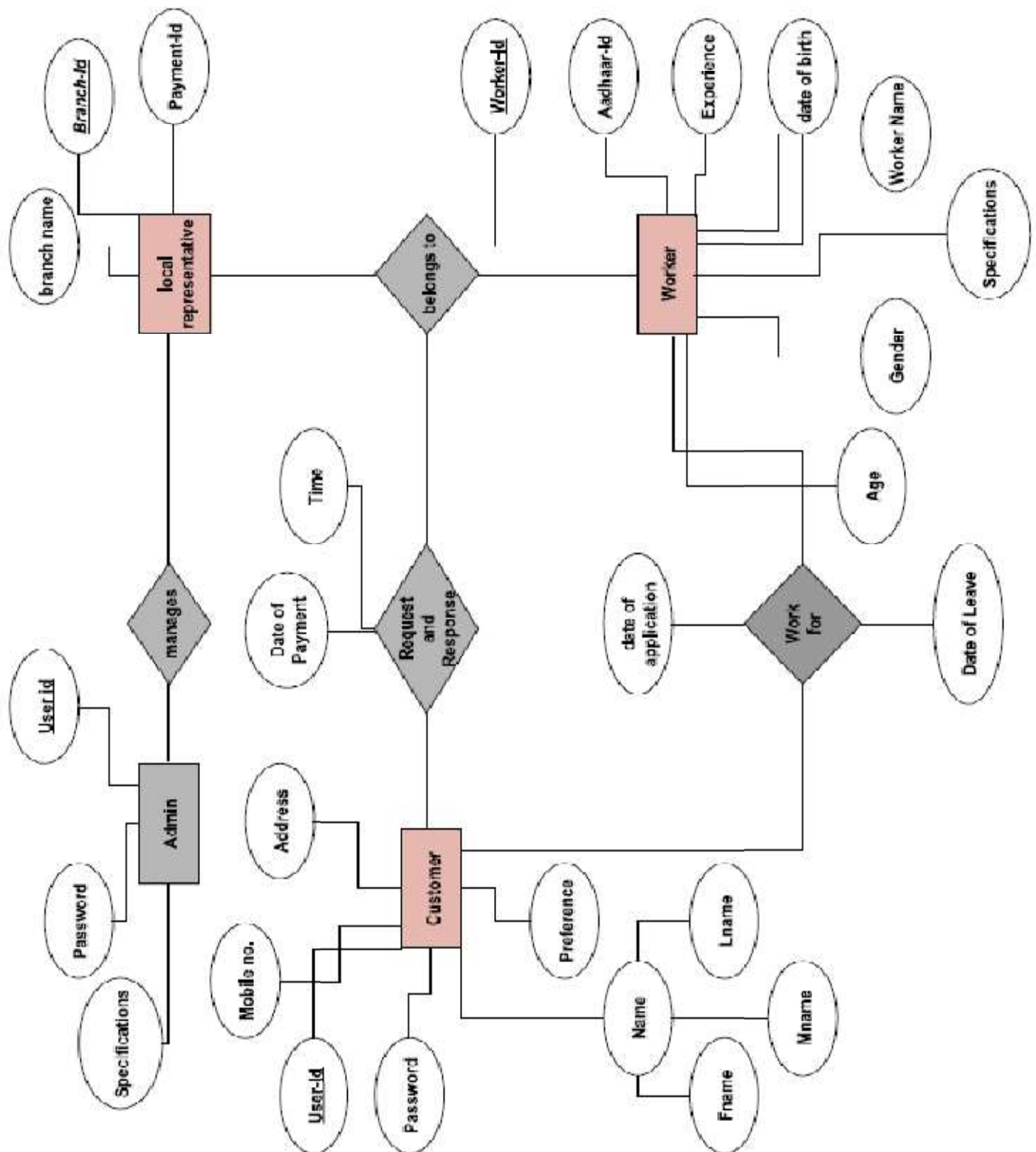6. Update his or her profile

2.4.1 Data Flow Diagram

Level-0

Level-1

Level-2

2.4.2 Entity Relationship Diagram

2.4.3 Decision Tree

Login

Condition	Rule 1	Rule 2	Rule 3	Rule 4
Username	F	F	T	T
Password	F	T	F	T
Action	Invalid	Invalid	Invalid	Login Successful

Payment

Condition	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6	Rule 7	Rule 8
Total Amount	F	T	F	T	F	T	F	T
LR-Branch ID	F	F	T	T	F	F	T	T
Customer-id	F	F	F	F	T	T	T	T
Action	Payment Failed	Payment Failed	Payment Failed	Payment Failed	Payment Failed	Payment Failed	Payment Failed	Payment Successful

2.4.4 Process Flow Diagram

2.5 References

1- www.w3school.com
2- https://www.geeksforgeeks.org/
3- http://helper4u.in/
4- www.bookmybai.com

2.6 Comparative Study

3. <u>SOFTWARE AND HARDWARE REQUIREMENTS</u>

a. Hardware Requirements

DEVELOPER SIDE	CLIENT SIDE
i. A system running on i3 or above. ii. A random access memory (RAM) of 2GB. iii. Enhanced Keyboard. iv. V.G.A or a colored monitor. v. A 500 GB hard disk. vi. 2.0 GHz or above Processor	i. A system running on Dual Core. ii. A random access memory (RAM) of 512 MB. iii. Enhanced Keyboard. iv. V.G.A or a colored monitor. v. A 2.0 GB hard disk. vi. 1.3 GHz or above Processor

b. Software Requirements

DEVELOPER SIDE	CLIENT SIDE
i. A windows 7 operating system or above. ii. WAMP/XAMPP server. iii. My SQL database. iv. Python 3.4.3 or above v. easy_install/pip 12.0.5 or above vi. django 1.9 or above vii. Notepad viii. Web Browser	i. A windows VISTA/XP/7/8/10 operating system. ii. An internet access as well as an anti-virus software which prevents the system from being infected by virus. iii. Web Browser