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## DISCRIPTION OF THE COMPANY

Bsquaresoft Pvt. Ltd. offers Web designing , Web development , Android application , iPhone applications. Bsquaresoft is all about improvising the present scenario of its clients, interacting for innovative solutions, designing and developing a final product/service that is top-notch and exclusively prompt in all the aspects. Founded by Manish Zalavadia, it continues to make 'Ideas' happen. It is in depth knowledge of coding world, coupled with unflinching focus on satisfying our customers, that has fueled our consistent growth and exponential success. User friendly and remarkable outcomes are possible at Bsquaresoft Pvt Ltd with new challenges that are aroused with every step.

### Services of company

#### 1. Website services

Branding and strategizing the website: Mainly people focus on graphics and animations. Here at Bsquaresoft Pvt Ltd we take an overall persona and provide ways in which the website would accentuate itself online. Creative web designing: Beautification with prominence is what our designer team focuses on. Coding & technology: Technology par excellence and coding with minimal load is its base line.

#### 2. Web application development

Bsquaresoft Pvt Ltd provides you with a superior user-friendly experience with your applications directly on your table. For the software, application provides you an improved performance which is profitable for our clients. It focus on creating user-oriented designs that are extremely easy to operate and are engaging towards improvised conversions. Its high-fidelity wireframing and quick prototyping can help in faster roll-out for our clients in market. Its expertise includes **Php CodeIgniter, Java, Android, iOS** and more. It also employ several custom and open-source tools for performance optimization and speeding up software deployment.

#### 3. Database Management

The team at Bsquaresoft offers database management services to our clients in a highly skilled and competent manner. Laying an emphasis on the core areas of reliability, availability, high quality and consistent technological soundness we provide you with our services for databases like Informix, MS-Access, MySQL, Oracle, DB2, Sybase, SQL Server, and Postgres SQL. With a an assurance of no database downtime, these facilities are made available 24x7 and have the flexibility to meet the demands of a variety of different platforms and industries.

#### 4. SEO

Bsquaresoft is the best Search Engine Optimization (SEO) provider, as it thrives to create such an interface that has helped improve SEO Strategies, visibility and have attracted users and helped drive in more traffic. We expertise in SEO, SMO, PPC and have also marked our footsteps in U.S.A market. SEO is a technique and strategy used to increase the number of visitors to ones website by obtaining a high- ranked place in search engine page such as Google, Bing, Yahoo and other.

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## CHAPTER 1: INTRODUCTION

As a student of IT engineering at CSPIT , CHARUSAT university and per the university instructions, I have decided to do summer internship at web development company . I started my internship on web designing so I can gain more information about web designing and web development. During this internship I also experienced company's processes and rules regulations. I worked into this internship so that I can communicate in a group and I can understand the professional responsibilities of an engineer. By this internship, I can get the real time job experience.

I choose to complete my 4 week summer internship at Bsquaresoft Pvt. Ltd. which is situated at Surat. This company offers web development , web designing ,web application, iPhone application development. I choose this company because this company offers web development on which I wanted to work.

This was very beneficial for me as at the end I could compare what I've learnt with what I already new and find a connection between the two. Since I find myself more interested in the area of web development and design. I was happy to be assigned the position of an intern in web development in a Bsquaresoft.

### 1.1 Project Overview

**Project Name:** Grocery Shop Invoice System

**Project Description:**

This website is for stock and sales management of a grocery shop. User can add stock of new item in database . It will add solid and liquid items as per total unit. It will increase unit of added items in database. User can also manage sales process.

It contains sales area in which logged in user can add items with total unit selected and purchased by customer with customer name. After adding all items in list user can also show and download bill. Customer data is saved in database for records if any need occurs in future to track the customer records.

There are also 3 sections in this website in which first is user activity which shows records of user with user name with loge in and log out time. second section is Stock which shows total items available in current stock. Third section is customer data which shows customer's all purchased details . Item unit will decrease from stock at the time of user bill creation. Final Bill shows total items, grand total and total amount with gst added into it.

Languages used: php, Ajax, bootstrap, HTML, css, js, jQuery

### 1.2 Scope

User can keep record of total stock so he can manage stock easily. User can also generate invoice tax bill. There are minimum chances of mistakes in billing as it includes validation so that user can't add one item more than one times by mistake. It provides effective way to handle stock and sales at shop.

**1.3 Objective**

- To store staff data
- To store stock data
- To store customer data
- To calculate invoice tax
- To generate invoice tax
- To show user activity
- To show customer data

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## CHAPTER:2 SYSTEM ANALYSIS

### 2.1 User Characteristics

#### 2.1.1

Every system or project can use to the many user. But it can access in different way.

Every user of the system are given some authentication and according to that they can perform the task.

In my website I am having staff members of shop which can access this website. Registered user have many rights but other users have some limitation.

**User:**

**They have to register on this website. After then they can view following fields otherwise they can only calculate tax.**

1. Stock section
2. Sales section
3. Billing
4. User Activity
5. Stock Items
6. Customer Records

### 2.2 Tools and Technology

#### 2.2.1

##### Software requirement

Operating system : Microsoft windows

Front End :Bootstrap, PHP

Back End: Wampp server

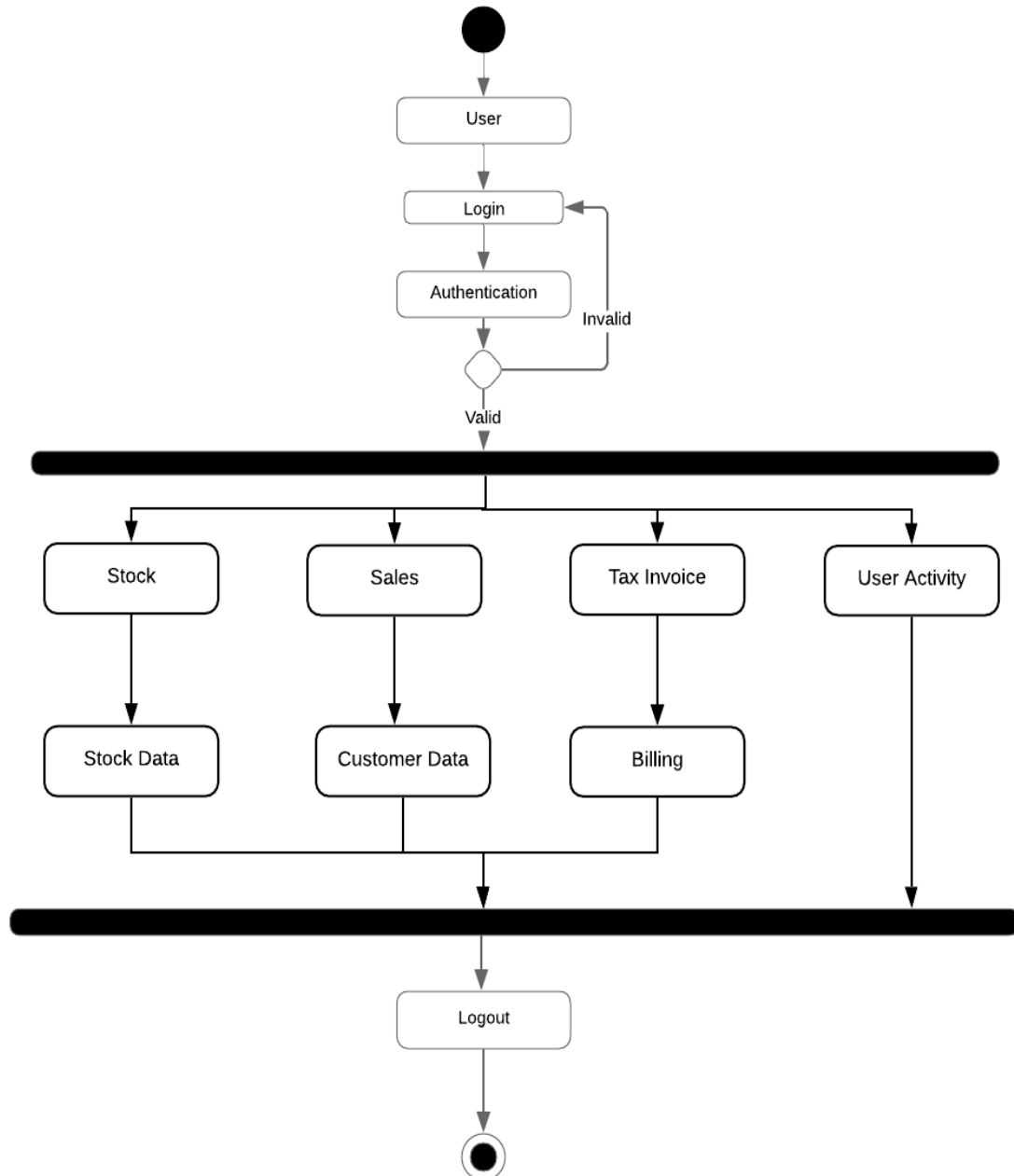
##### Programming Language

1. php
2. Ajax
3. jQuery
4. Bootstrap, HTML , css, js

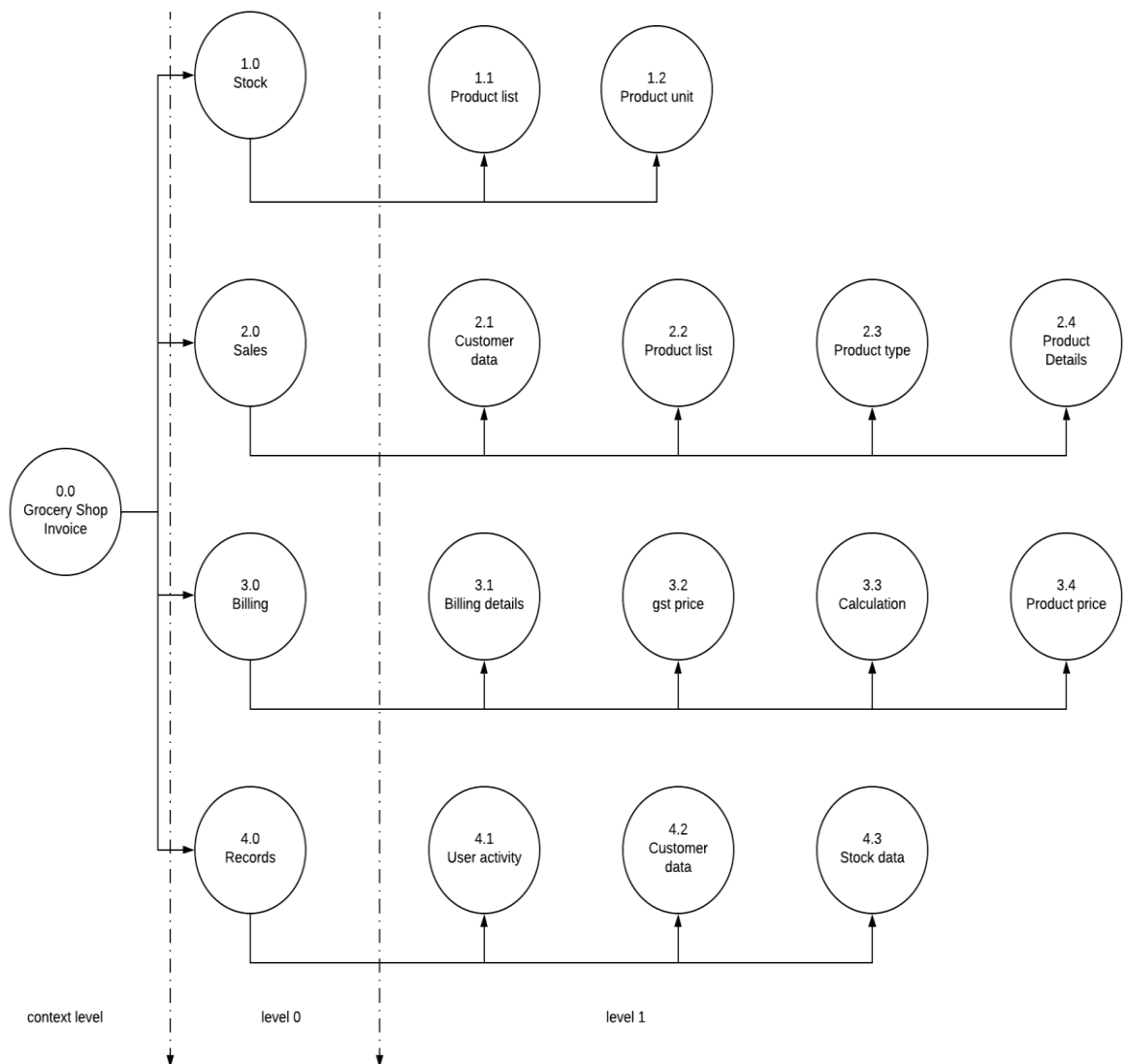
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## CHAPTER:3 SYSTEM DESIGN

### 3.1.2 Activity diagram



### 3.1.2 Data flow diagram



### 3.2 Data Dictionary

Table 3.2.1 Stock Data

Field Name	Data type	Data Formate	Field Size	Description	Example
id	bigint		5	Unique id no for all users	1
photo	varchar		255	photo of staff member	
first_name	varchar		255	Name of user	Avani
last_name	varchar		255	Surname of user	Patel
email	varchar		255	email id	avanipatel886@gmail.com
password	varchar		255	encrypted password of user	f60a4799f144564583fcc981d566e93f
phone_no	bigint		10	Phone number	9845637890

Table 3.2.2 User Activity

Field Name	Data type	Data Formate	Field Size	Description	Example
id	bigint		5	Unique id no for all users	1
product_name	varchar		255	Name of product	Milk
unit	bigint		6	Total unit of product	8000
unit_status	bigint		2	Unit type of product	10

Table 3.2.3 Customer Data

Field Name	Data type	Data Formate	Field Size	Description	Example
id	bigint		5	Unique id no for all users	1
customer_name	varchar		50	Name of product	Priya Nasit
product_with_quantity(kilo/packs)	bigint		255	Total unit of product	8000

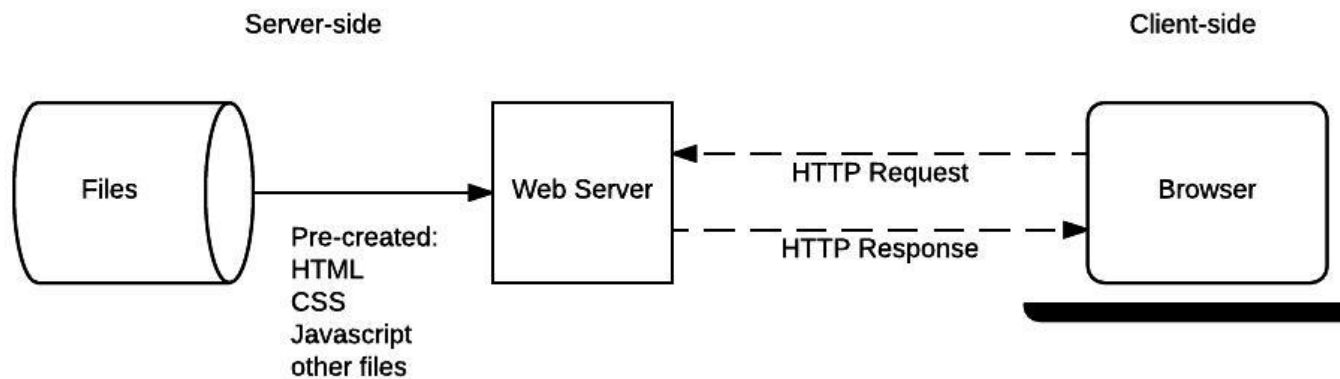
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<b>gst_type</b>	<b>varchar</b>		<b>255</b>	<b>Unit type of product</b>	<b>without gst</b>
<b>cgst</b>	<b>bigint</b>		<b>3</b>	<b>cgst amount</b>	<b>8</b>
<b>sgst</b>	<b>bigint</b>		<b>3</b>	<b>sgst amount</b>	<b>8</b>
<b>total</b>	<b>float</b>			<b>total amount</b>	<b>242.30</b>
<b>date_time</b>	<b>timestamp</b>			<b>purchased date and time</b>	<b>2019-06-20 00:34:58</b>



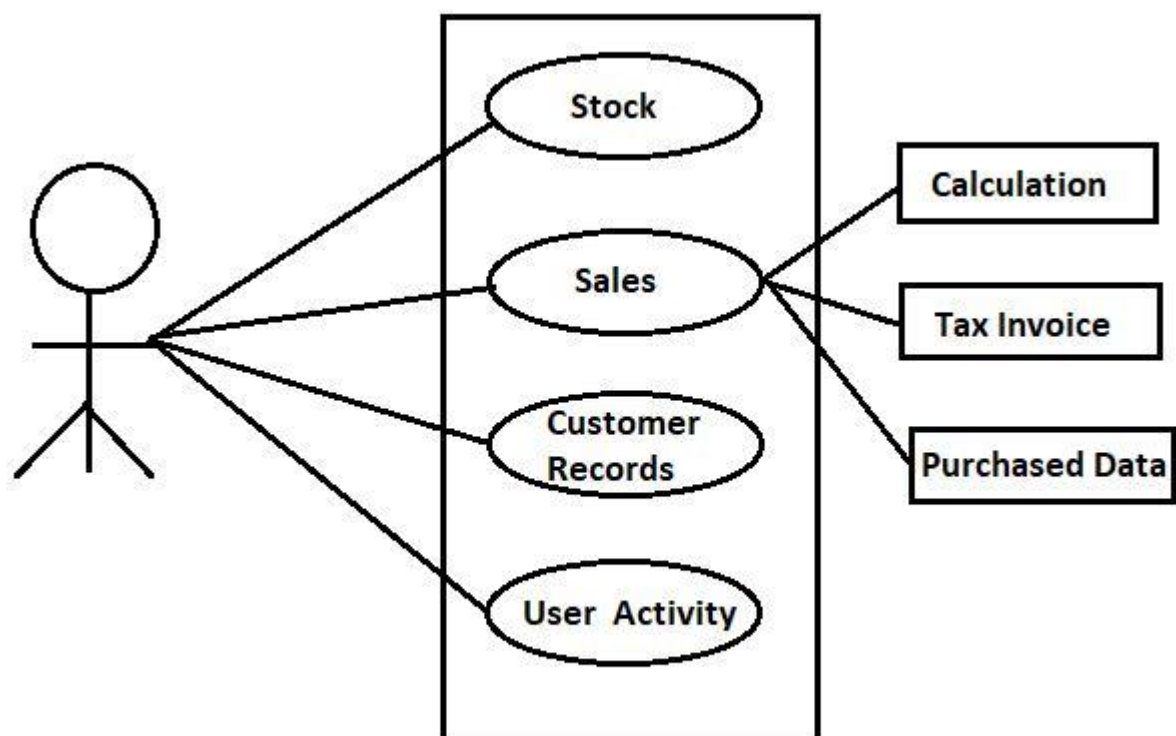
## CHAPTER 4: IMPLEMENTATION

### 4.1 Implementation Environment



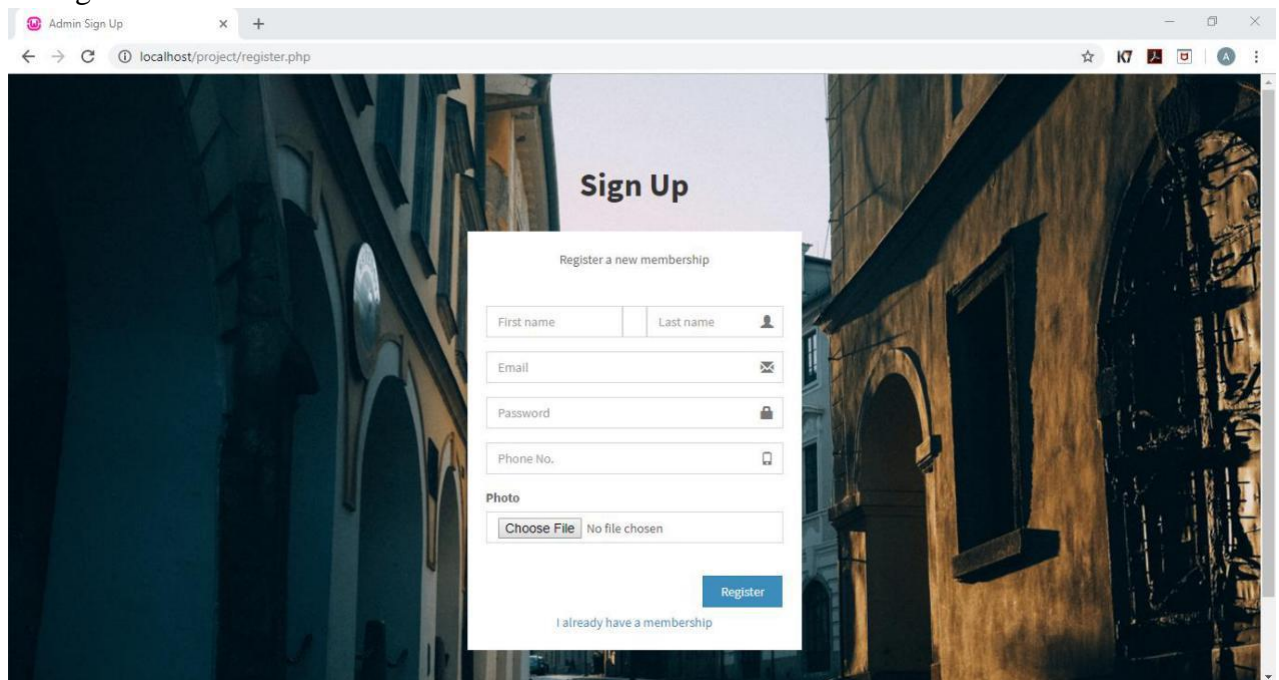
### 4.2 Module specification

User Module:



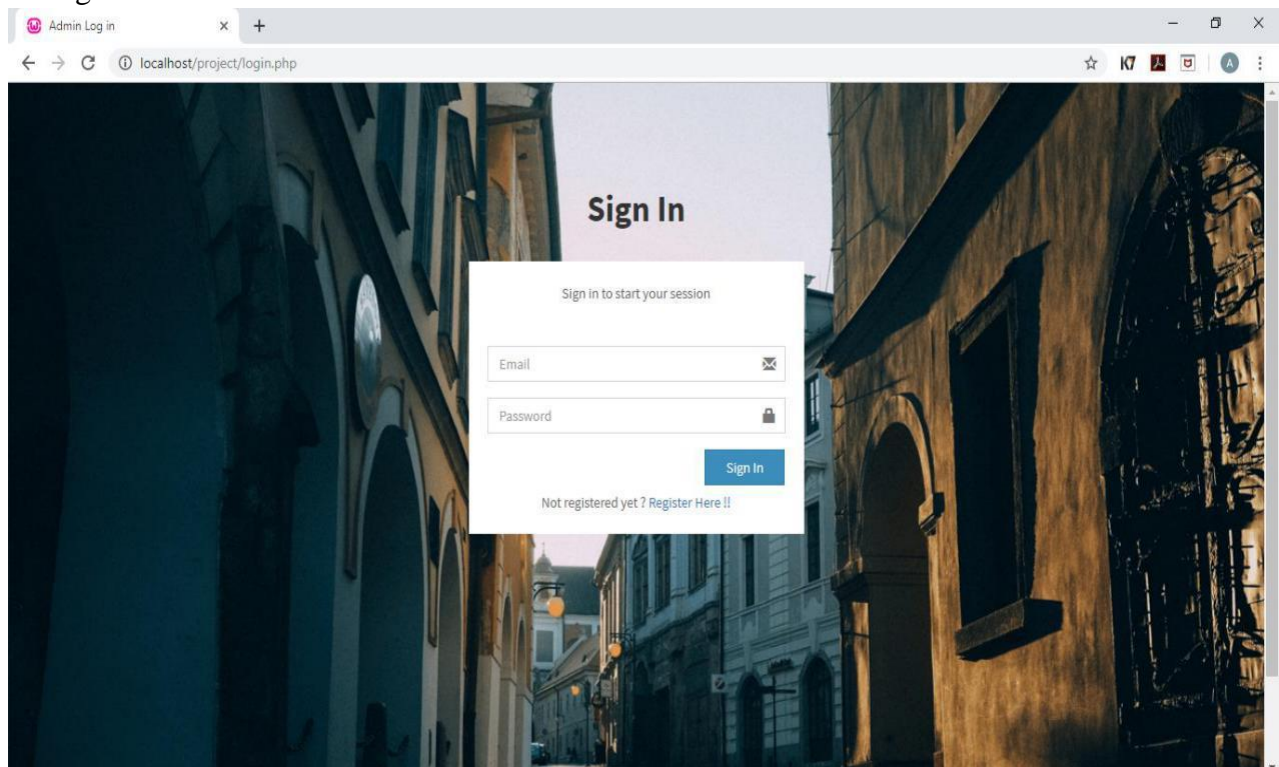
## 4.3 Snapshots:

### 1. Registration



A screenshot of a web browser showing the 'Admin Sign Up' page. The browser's address bar displays 'localhost/project/register.php'. The page features a background image of a street with historic buildings. A white registration form is centered on the page. The form is titled 'Sign Up' and 'Register a new membership'. It contains input fields for 'First name', 'Last name', 'Email', 'Password', and 'Phone No.'. Below these is a 'Photo' section with a 'Choose File' button and the text 'No file chosen'. A blue 'Register' button is at the bottom right of the form. A link 'I already have a membership' is located below the 'Register' button.

### 2 .Log in



A screenshot of a web browser showing the 'Admin Log in' page. The browser's address bar displays 'localhost/project/login.php'. The page features the same background image of a street with historic buildings. A white login form is centered on the page. The form is titled 'Sign In' and 'Sign in to start your session'. It contains input fields for 'Email' and 'Password'. A blue 'Sign In' button is at the bottom right of the form. A link 'Not registered yet? Register Here !!' is located below the 'Sign In' button.

### 3. Stock Panel

Dashboard x +

localhost/project/index.php

Grocery Store

Avani Patel Online

MAIN NAVIGATION

- User Activity
- Stock
- Customer Data

Stock

Product

Select Product

Unit

Enter Unit

Unit Type

☐ KG ☐ Pack

Submit

### 4. Sales Section

Dashboard x pdf.php x +

localhost/project/index.php

Sales

Customer

Tia Roy

Product Type

Liquid (packs)

Product

milk

Unit

2

sugar	2	45	90
rice	2	60	120
milk	2	26	52

☐ Without GST ☒ With GST ☐ With IGST

CGST

9

SGST

9

Total GST amount

18

Grand Total

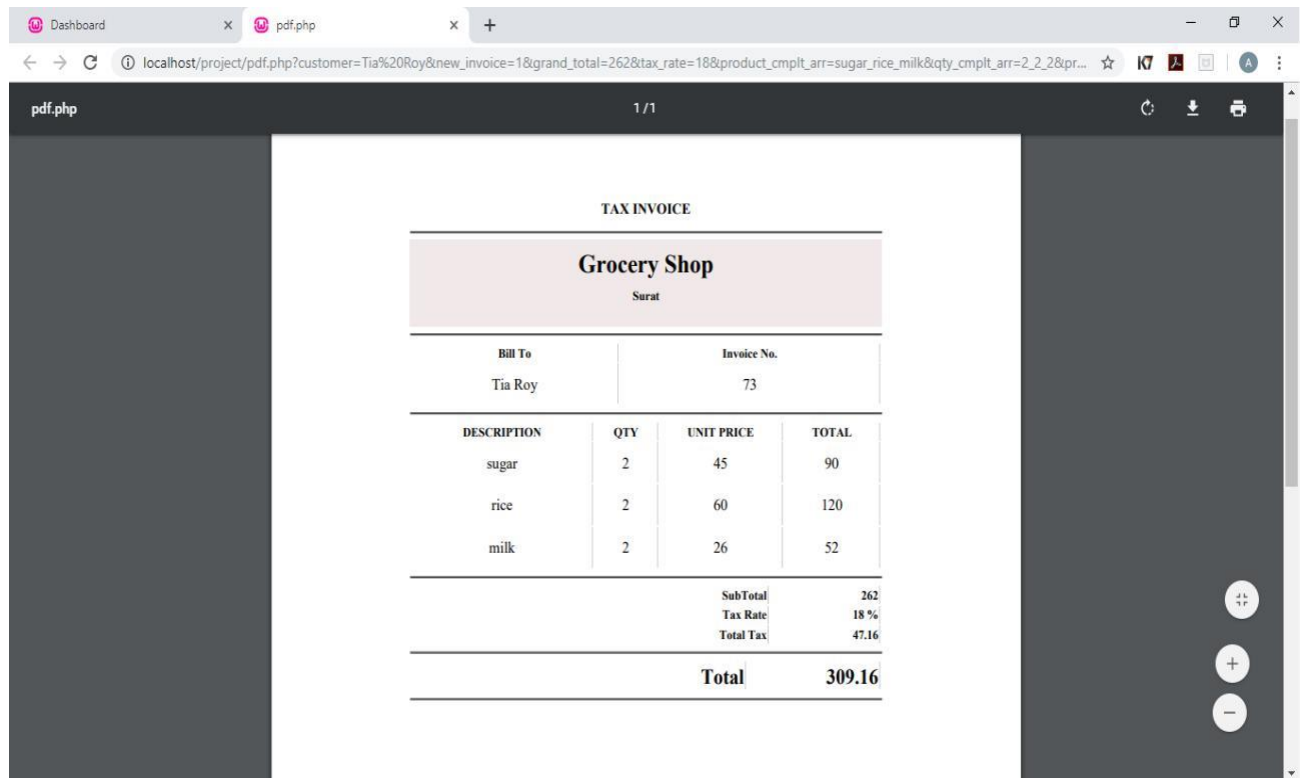
262

Total Amount

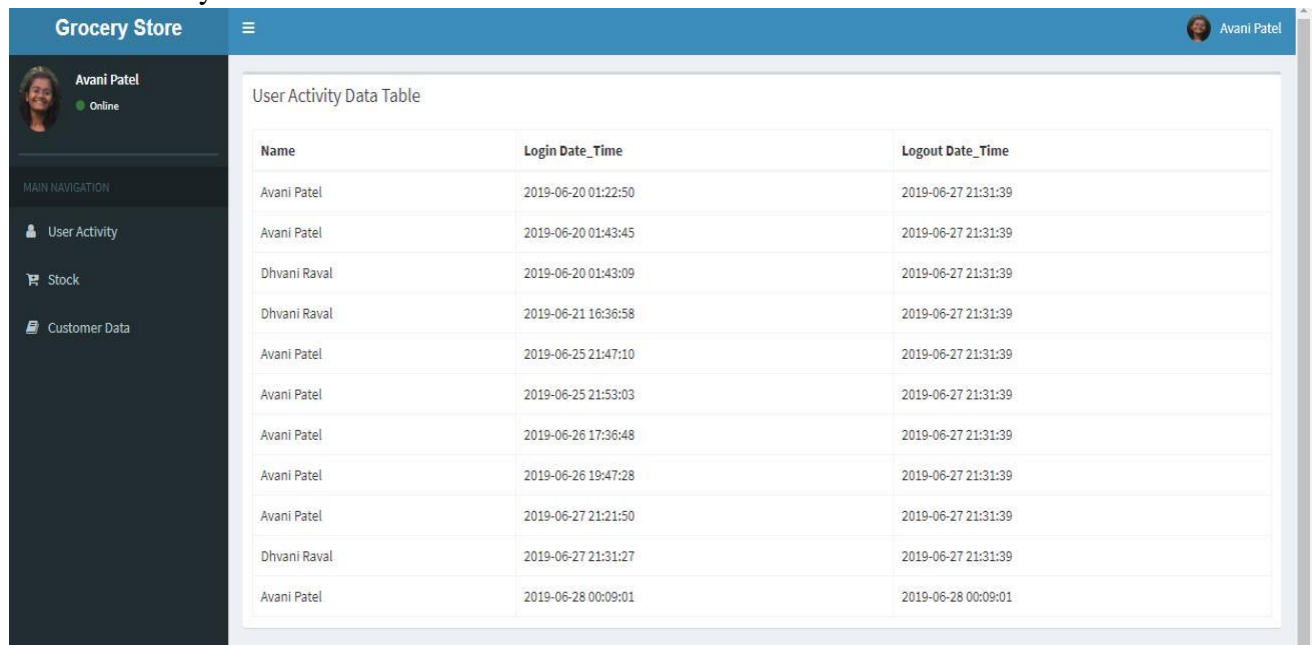
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Submit Show Bill

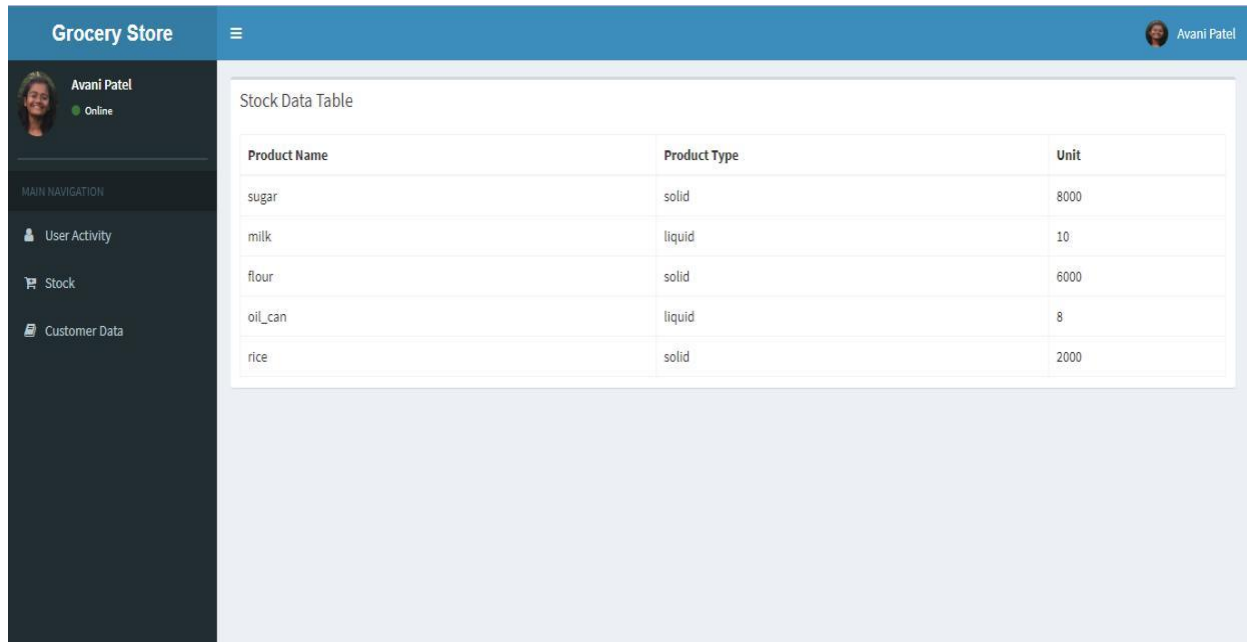
## 5. Tax Invoice PDF



## 6. User Activity Record



## 7. Stock Records



The screenshot displays a web application titled 'Grocery Store'. On the left is a dark sidebar with a user profile for 'Avani Patel' (Online) and a 'MAIN NAVIGATION' menu containing 'User Activity', 'Stock', and 'Customer Data'. The 'Stock' option is highlighted. The main content area features a 'Stock Data Table' with three columns: 'Product Name', 'Product Type', and 'Unit'. The table lists five items: sugar (solid, 8000), milk (liquid, 10), flour (solid, 6000), oil\_can (liquid, 8), and rice (solid, 2000).

Product Name	Product Type	Unit
sugar	solid	8000
milk	liquid	10
flour	solid	6000
oil_can	liquid	8
rice	solid	2000

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## CHAPTER 5: CONSTRAINTS

### 5.1 Constraints:

1. May be website works slowly sometimes due to network problem and some mistake in system. Due to that it take more time to perform.
2. If user has not logged in then he can't able to manage stock or sales section.

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## CHAPTER 6: CONCLUSION

Grocery Shop Invoice System provide facility to grocery shop for manage sales and stock of various products . User can easily store and manage changes occurs in data at every purchased items. This makes storage and billing invoice system of grocery item easy and effective. It reduces the chances of mistakes occur during item listing and billing at purchased time.

**REFERENCES**

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[2] <https://gst.taxmann.com>

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