

A Project Report On

AGRICULTURE MARKETING

Your Price Portal For Agriculture

Smt.B,V.Dhanak Arts, Commerce, Science And Management College

Developed By

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Guide By

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Submitted in partial fulfillments of the
requirement

For the award of the degree of Bachelor
of Computer Application (BCA) Year of

Submission

2023-2024



Saurashtra University – Rajkot

Preface

The main objective of any computer science student is to get practical knowledge as possible. Being able to have a practical knowledge by developing a project is a lifetime experience. As practical knowledge is important as theoretical knowledge, we are thankful of having a project.

Through the development of the project, we had a great experience of various strategies that can be applied in development of the project. This project is the stepping stone for our career.

We are pleased to present this project report. Proper case has been taken while organizing the report so that it is easy to comprehend. Also, various software engineering concepts have been implemented.

Acknowledgement

We are students of BCA sem-5 Studying in the Smt B.V.Dhanak Arts, Commerce, Science And Management College, Bagasara. We Thanks to the entire person who has given their support in shaping of the system.

We thank Mr. V. K. Bhaliya for giving us guidance and Co-operation in understanding the system. We also thank them for their unconditional help in making of this project.

We have great deal of gratitude towards our head of department who encourage us in taking up this activity. We thank all faculties and administrative staffs of the institute.

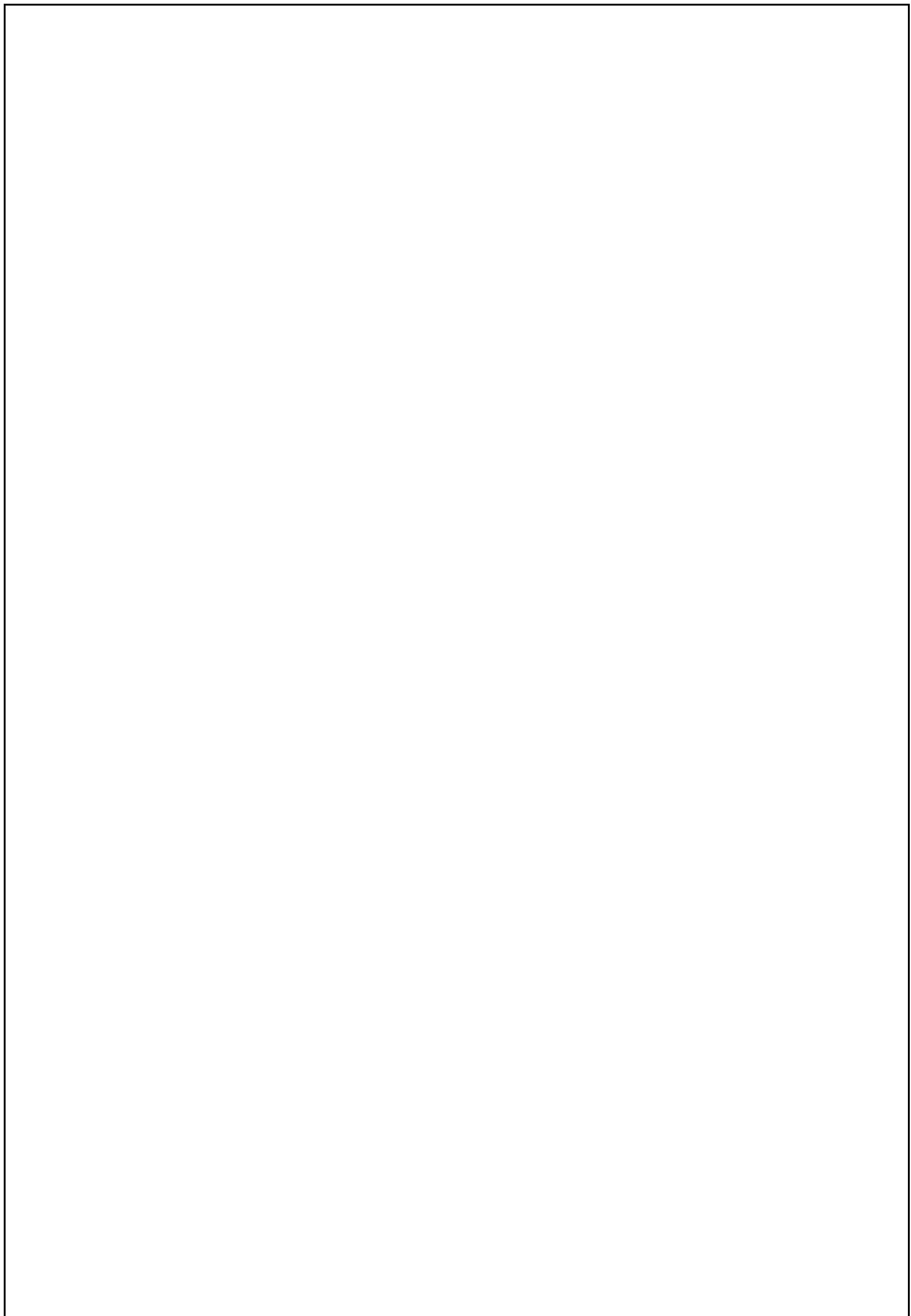
Thanks to all!!

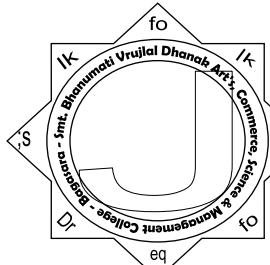
JATIN RAMANI

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Arts, Commerce, Science & Management College - Bagasara

Accredited Grade 'B++' by NAAC
CGPA 2.81

College Road, Bagasara -365440, Dist. Amreli [Gujarat]

Ref. No: BVD/BGR/

College Code: 263

Date: 30 /9/2023

CERTIFICATE

This is to certify that **Jatin c. Ramani & Nilesh Ghoghari** are the bonafide students of BCA 5th semester, B.V.DHANAK College -bagasara, has successfully completed the project work on
“Agriculture Marketing”

With Front end **PHP** and Back end **MYSQL** for the partial fulfillment of the requirements for the award of the degree of BCA 5th semester in year Sep 2023. The matter embodied in this project work has not been submitted to any other university for the award of any other degree.

[Mr.VIMAL BHALIYA]

[Dr. S.D.Mori]

[Internal Guide]

[Principal]

Examiners:

1. _____

2. _____



1. Project Profile

PROJECT NAME	Agriculture Marketing
PROJECT TYPE	Desktop application
STREAM	TY BCA (SEM-5)
FRONT END	PHP
BACK END	MYSQL
Internal guide	Mr. V. K. Bhaliya
Submitted to	Saurashtra University - Rajkot
Submitted by	Jatin C. Ramani Nilesh K. Ghoghari



1.1 Introduction

- The agriculture industry plays a critical role in ensuring security and economic challenges in effectively marketing their product resulting in lower profitability and limited market access.
- To address these issues and promote sustainable agriculture practices, we have undertaken in innovative agriculture marketing project.

▪ Objective

- The primary objective of our project is to revolutionize the marketing landscape for agriculture products by employing modern techniques and technology. Our aim is to empower farmers enhance their market visibility, empower profitability and facilitate better connections between producers and consumer, by leveraging advance, marketing. Strategic, we seek to bridge the gap between the agriculture sector and the larger consumer market Fostering a sustainable and resilient system.

▪ Digital platform

- We have developed an intuitive end user friendly digital platform their serves as a centralised hub for farmers Buyer said authorised stakeholders this platform allows farmers to showcase their product excess market information and connect directly with potential buyers.
- It also provides buyers visa convenience and transparent way to discover and procure Agriculture products directly from farmers

▪ Why did we need agriculture marketing system

1. **Market access:** Farmers need at efficient agricultural marketing system to connect with potential bias in reach wider market without a proper marketing system farmers managed global to sell safe products over have limited access to buyers resulting in lower profitability and limited opportunities for growth.
2. **Price Discovery:** a well-functioning Agriculture marketing system facilitates bright discovery with refers to the process of determining fare prices for agriculture products baseball supply and demand dynamic by providing farmers with express to market information and transparent pricing mechanism they can make informed This is an above fair pricing strategy and negotiate before Price for their product.



3. **Market information and intelligence:** An agricultural marketing system provide farmers with valuable market information and intelligence. These include date on consumer pre preference, Market trends imaging demands and competitive analysis excess to such information helps farmers make informed design about crops selection production planning and marketing strategies improving their chances of success in the market.

- **Problem definition**

- **Price volatility:** Agriculture market has prone to price function due to factor such as weather conditions global market trends and supply demand imbalances Farmers pays the rise to opera volatility with a negatively Inspector income and financial stability the lake of mechanism for price discovery and risk Management exacerbate this issue.

- **Limited market linkages**

- Farmers pay challenges in establishing Dial up connexion with buyer including retailer progress and exporters. the absence of platform or intermediaries that Facilities efficient and transaction interaction between farmers Ebuyer's make a difficult for farmers to market their products effectively.



1.2 Scope of project

1. Product listing:

- The website can provide a platform for farmers to showcase their agriculture product it should allow farmers to create profile and list their product with detailed description, pricing information and product image is too featuring help buyers to discover and evaluate the available product

2. Market information

- The website can provide relevant market information to farmers and buyers. this can include price trends, market analysis, demand forecasts, and info on consumer preference by offering valuable market insights, The website helps farmers make inf decision about their production and marketing strategy



2. Hardware & Software Requirements Tools & Technology

2.1 Hardware Requirement

- 1. Processor:** On modern processes that get Intel Core I5 AMD equivalent is recommended
- 2. Ram:** at least 4GB of RAM, although 8GB RAM For more is preferable for smother performance
- 3. Storage:** Sufficient disk space to store your project files database and any dependencies or minimum 10GB is recommended
- 4. Display:** A monitor with a resolution of 1280 * 800 or higher for comfortable development



2.2 Software requirement

1. **Operating system:** PHP is compatible with various operating systems, including windows, mac OS, and Linux. Choose an OS that you are comfortable with or that aligns with your project requirement.
2. **Web server:** You need a web server to host your PHP project and most popular option include Apache Web server.
3. **PHP:** install the PHP programming language on your system.
4. **Database:** If your project requires database functionality install and configure a suitable database server common choice includes MYSQL.
5. **Text editor or IDE:** Choice text editor or IDE to write your PHP code popular option includes visual studio code.
6. **Browser:** You need a web browser to test and pre your PHP project use the latest Version of browser like Google Chrome Mozilla Firefox or Safari for compatibility and optimal performance.



2.3 Tools and technology

software	Remark
MySQL	Used as the back for the system. it holds the entire database
PHP	It is the technology used as the scripting language
Windows XAMPP	Use to run Apache web server on server said
MS Word	Used to documentation tools
Internet	Used as the Communication tools
VS code	Used as code editor



• PHP

- Hypertext processor is a server-side scripting language designed in four web development but also use the general-purpose programming language it was originally restated by resume ledorf is 1945 the PHP reference in implementation Is now produced by the PHP group PHP originals stoop for personal home page but is now for personal home page, but it now stands for the recursive initialism.
- PHP CODE main embedded into HTML code or it can be used in combination with various web templates systems web content management systems and web frameworks PHP code is usually processed by a PHP interpreter implemented as a module in the web server OR as COMMON gateway interface CGI executable table. The web servers' combinations the results of the interpreted end executed PHP code which may be any type of data including images with generated web page PHP code may be also executed with a command line interface and can be used to implement standalone graphical application.
- The standard PHP interpreter powered by the Zend engine is free software released under the PHP licence PHP has been wired ported and can be developed on most web servers on almost every operating system and platform free work charge
- **The PHP language:** evolved without a written Formal specification or standard until 2014, with the original implementation acting as the de facto standard which other implementations aimed to follow. since 2014 work has gone on to create a formal PHP specification.
- es that the new language will drive interlay IDEA sales.
- Jet brain hop PHP development began in 1994 when Rasmus ledorf wrote several common gateway interface programs in c, which he used to maintain his personal homepage. he extended them to work with web forms and to communication with databases, and called this implementation “personal home page/forms interpreter “or PHP/FI.
- PHP/FI could be used to build simple, dynamic web application. to accelerate bug reporting and improve the code, lerdorf initially announced the release of PHP/FI as “personal home page tools (PHP TOOLS) version 1.0” on the UseNet discussion group comp. info systems. www authoring .CGI on June 8,1995. This release already had the basic functionality that PHP has today. this includes Perl-like variables, form handling, and the ability to embed HTML. the syntax resembled that of Perl, but was simpler more limited and less consistent.
- Early PHP was not intended to be a new programming language, and grew organically, with ledorf noting in represent. I don't know how to stopit, there was never any intent to write a programming language [...] I have absolutely no idea how write a programming language. I just



kept adding the next logical step on the way a development team began to form and, after months of work and data testing officially released PHP/FI 2 in November 1997.

- The fact that PHP was not originally designed, but instead was developed organically has led to inconsistent ordering of their parameters, in some cases, the function names were chosen to match the lower-level libraries which PHP was “wrapping”, while in some very early versions of PHP the length of the function Names was used internally as a hash function, so names were chosen to improve the distribution of hash values.

- **MySQL**

- MySQL is an open – source relational database management system (RDBMS). Its name is a combination of “My” the name of cofounder Michael Widenius’ daughter, and “SQL”, the abbreviation for structure query language. The MySQL development project has made its source code available under the terms of the GNU general public license, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for – profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation for proprietary use, several paid editions are available, and offer additional functionality.
- MySQL is a central component of the LAMP open – source web application software stack (and other “AMP” STACKS) LAMP is an acronym for “Linux”, Apache, MySQL database include: MODX, JOOMLA, WORDPRESS, SIMPLE machines forum, PHPBB, MYBB, and DRUPAL. MySQL is also used in many high – profile, large-scale websites, including Google (though not for search), Facebook, Twitter, Flickr, and YouTube.



• XAMPP

- XAMPP is a free and open-source cross package developed by Apache friends, consisting mainly of the Apache HTTP server, MariaDB database, and interpreters for script written in the PHP and Perl programming language. XAMPP stand for cross-platform (X), APACHE (A), MARIADB (M), PHP (P), AND PERL (P). it is a simple, lightweight Apache distribution that makes it extremely easy for developers to create a local web server for testing and deployment purpose.
- Everything needed to set up a web server – server application (Apache), database (MariaDB), AND scripting language (PHP) in include in an extractable file. XAMPP is also cross-platform, which means it work equally well on Linux, mac and windows. Since most actual webserver deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server extremely easy as well.
- The term XAMPP is an apparent acronym. however, there is no official acronym expansion specified on the Apache friend's website. their homepage header reads “XAMPP Apache + MariaDB + PHP + PERL” indicating that this abbreviation is a recursive acronym.



• Java script

- JavaScript , often abbreviated as JS, is a high – level, interpreted programming language. it is a language which is also characterized as dynamic, weakly typed prototype – based and multi – paradigm alongside HTML and CSS, java script is one of the three core technologies of world wide web content engineering
- It is used to make dynamic webpages interactive and provide online programs. Including video games. the majority of website. employ it, and all modern web browsers support it, without the need for plug – ins by means of a built – in java script engine. each of many java script engines represent a different implementation of JavaScript all based of the ECMA script specification on, with some engines not supporting the spec fully, and with many engines supporting additional features beyond ECMA.
- As s multi-paradigm language JavaScript supports event -driven function and imperative concluding object – oriented and prototype – based programming style it has an API for working with text arrays dates regular, expressions and basic manipulation of the Dom but the language itself does not include any I/O such as networking stage , or graphics facilities relying for these the host environment in which it is embedded.



- **Visual studio code**

- Visual studio code editor with a python application programming interface (API) IT natively supports many programming language and markup language, and functions can be added by users with plugging typically community built and maintained under free – software licenses.



3. Information Gathering

1. what kind of visitors are you expecting to your agriculture marketing website

- **farmers and growers:** this are the primary audience for an agriculture marketing website they would be interested in information about new farming technology, equipment crop management practices and market trend.

2. Name two or more of your competitors and describe how you differ them?

- When you want to agriculture marketing there are hundreds of options for you to choose from but my competitors are AGMARKNET and GUJARAT STATE AGRICULTURE MARKETING BORD.
 1. **AGMARKNET :** Research and information network (MIRN) A sub scheme of ISAM was launched in march 2000 to provide electronic connectivity to the wholesale market of the country.
 - The objective is to collect analyse and disseminate market information to the farmers, traders, policy market and other stakeholders

• Objective:

- To facilitate collection and dissemination of information related to better price dissemination of market information and data for its efficient and timely utilisation realization and market access by the farmers.

1. Market related information
2. Price related information
3. Infrastructure related information
4. Market requirement related information

2. GUJARAT STATE AGRICULTURE MARKETING BOARD:

- To co-ordinate the working of the market committee for developing the market yard /sub-yard.

- To undertake the State level planning of the development of agricultural produce markets subject to directions of the State Government.
- To administer the Development Fund.
- To supervise and guide the market committees on request in respect of the preparation of plans as also the construction of infrastructural facilities in the market yards.
- To assist, undertake collection, compilation and publication of market intelligence and statistics as also to promote market survey and conducting research in the field of agricultural marketing.
- To promote and undertake grading and standardization of agricultural produce.
- To arrange and organize seminars, workshops, camps, conferences and exhibitions in the state on agricultural marketing.
- To grant subsidy and loans to needy market committees for the purpose of this Act.
- To provide technical and legal assistance to the market committee on request.
- To promote and assist marketing of agricultural produce in areas where there is no regulation of market under this Act.

3. What feature should your agriculture marketing website contain?

- **User side:**

- User registration & login
- User Add post
- User Manage post
- User Add product
- User Manage seller
- User Add district
- Show price page and search district
- Show news, about, contact, pages
- User logout

- **Admin side:**

- Admin login
- Admin add post
- Admin manage post
- Add product
- Manage sellers



- Add district
- Add user
- Manage users
- Add category
- Manage categories

4. Do you ship order of item?

- No, we will not be shipping any items user can just know only the price of items and get news about it.

5. Do You Have any colour preferences or look and feel for the agriculture marketing websites?

- I want a very simple look in my website so that the customer can easily see his/her products and get the price details and get the news does not have the hassle of ordering the product.
- I want grey colour in my site and simple background with login page.

6. What is your target audience?

- when creating an agriculture marketing website, its crucial to define a clear target audience to tailor your content design, and features to their needs and preferences. The agriculture industry is divers, so identifying your specific target audience will help you effectively communicate with them and meet their requirements. Here are some potential target audiences for an agriculture marketing website.

- 1. farmers and growers**
- 2. agriculture suppliers**
- 3. agribusiness professionals**
- 4. investors and stakeholders**

7. user roles and features?

- For an agriculture marketing and news website, you many have different user roles and corresponding features to create to the needs of various stockholders in the agriculture industry here are some potential user roles and the features associated with each role.

1. Farmers and growers

- User profile: allow farmers to create profile and manage their information.



- Marketplace: provide a platform for farmers to list their products for sale and connect with potential buyers.
- News and insights: offer articles, blogs, management, best practices, and market trends.

8. Purpose your website?

- the primary purpose of an agriculture marketing website is to disseminate timely and relevant information about the agriculture sector and market yard
- this includes news, update, trend, related to various aspect of agriculture such as crop production investor farming, market prices.

4. Feasibility Study

A purpose of feasibility study is to check out the possibility of a computerized solution to the organization's observed problem before very much money that has been spent on.

A feasibility study is carried out to select the best system that meets performance requirements.

Only by spending the time to evaluate the feasibility do I reduce the chances for extreme embarrassment at later stage of the system project.

For the complete feasibility study, I need to concentrate on following area:

- **Technical Feasibility**
- **Economic Feasibility**



4.1 Technical Feasibility:

- Technical feasibility Central on existing computer system and to what extend it can support the proposed system addition.
- For Example, your current system is operating at 70% capacity then other application could overload the system or required additional hardware.
- If the budget is serious constrain then the project judge not feasible.

Software

OPERATING SYSTEM	WINDOWS 10 OR ANY OTHER WINDOWS BASED OPERATING SYSTEM WHICH IS EASILY AVAILABLE
MYSQL DBMS SERVER	USE FOR STORING DATA DYNAMICALLY
WEB BROWSER	FOR RUN THE SYSTEM LIKE GOOGLE CHROME, MOZILA, FIREFOX, BRAVE
VS CODE	FOR DEVELOPMENT OF WEBSITE CODING.



4.2 Economic Feasibility:

Hardware

NO	HARDWARE NAME	WHICH USE IN PROJECT
1	RAM	16GB
2	PROCESSOR	INTEL CORE I5
3	KEYBOARD & MOUSE	-

Hardware Cost

NO	HARDWARE NAME	PRICE
1	RAM (4GB)	RS.879
2	PROCESSOR (INTEL CORE I3)	RS.2199
3	KEYBOARD & MOUSE	RS.700
4	TOTAL COST IN HARDWARE	RS.3778



5. Data Dictionary

The data Dictionary is a set of tables. SQL uses it to maintain information about this own database.

➤ **Data dictionary contains the following information:**

- ✓ Name of the table of database.
- ✓ User information such as Privileges.
- ✓ Name and data type of all columns in database table.

Database Name: **agriculture**



Categories

No	Name	Type	Null	Description
1	id	Int (11)	No	To store categories id
2	Title	Varchar (50)	No	To store categories title
3	description	Text	No	To store categories description

- This table store to categories details

District

- This table store to district details

No	Name	Type	Null	key	Description
1	d_id	Int (11)	No	Primary key	To store district id
2	d_name	Varchar (255)	No		To store district name
3	Description	Varchar (11)	No		To store district description
4	user_id	Int (11)	No		To store user id



Post

- to store post details

No	Name	Type	Null	Key	Description
1	id	Int (11)	No	Primary key	To store post id
2	Title	Varchar (255)	No		To store post title
3	body	Text	No		To store post body
4	thumbnail	Varchar (255)	No		To store post thumbnail
5	date_time	Timestamp	No		To store post date and time
6	category_id	Int (11)	Yes		To store post category id
7	Author_id	Int (11)	No		To store post author id
8	is_featured	tinyint (1)	no		To store post featured



Product

- to store product details

no	Name	Type	Null	Key	Description
1	p_id	Int (11)	No	Primary key	To store product id
2	d_id	Int (11)	No		To store product d id
3	Name	Varchar (255)	No		To store product name
4	lowest_price	Int (11)	Yes		To store product lowest_price
5	hight_price	Int (11)	Yes		To store product hight_price
6	category_id	Int (11)	Yes		To store product category_id
7	Date_time	timestamp	No		To store product date_time

User

- to store user details

No	Name	Type	Null	Key	Description
1	Id	Int (11)	No	Primary key	To store user id
2	FirstName	Varchar (50)	No		To store user first name
3	LastName	Varchar (50)	No		To store user last name
4	User Name	Varchar (50)	No		To store user name
5	Email	Varchar (50)	No		To store user email
6	Password	Varchar (255)	No		To store user password
7	Avatar	Varchar (255)	No		To store user avatar
8	is_admin	Tinyint (1)	No		To store user admin or note



6. Normalization

4	Jatin	Ramani	Jatin	jatinrmn@gmail.com jatinrm2@gmail.com	Jatin123 Jatin123
25	Nilesh	Ghoghari	Nilesh	ghogharinilesh7@gmail.com ghogharinilesh8@gmail.com	Nilesh123 Nilesh123

Table: tblusers

Primary key: id

6.1 First Normalization (1NF)

Id	Fname	Lname	Username	Emai	Password
4	Jatin	Ramani	Jatin	jatinrmn@gmail.com	Jatin123
4	Jatin	Ramani	Jatin	jatinrm2@gmail.com	Jatin123
25	Nilesh	Ghoghari	Nilesh	ghogharinilesh7@gmail.com	Nilesh123
25	Nilesh	Ghoghari	Nilesh	ghogharinilesh8@gmail.com	Nilesh123



6.2 Second Normalization (2NF)

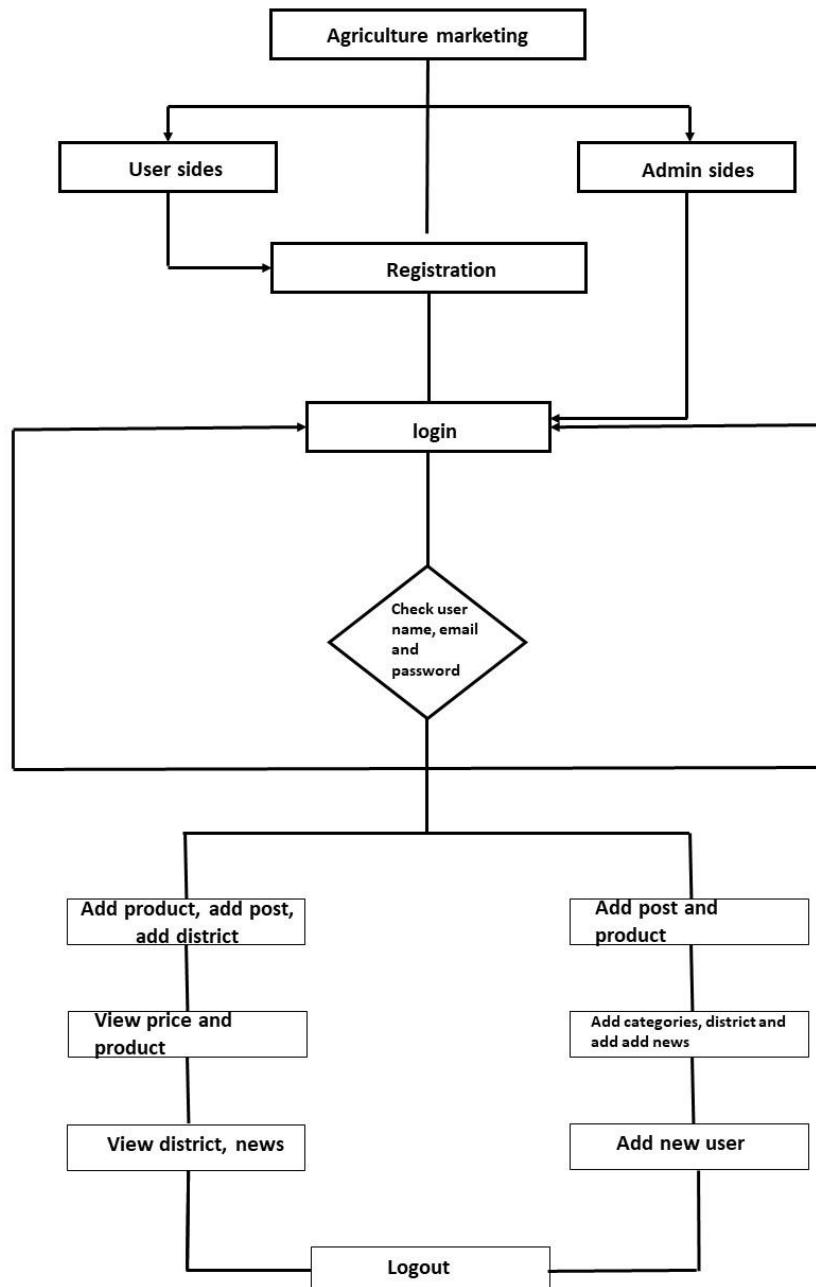
id	Fname	Lname
4	Jatin	Ramani
4	Jatin	Ramani
25	Nilesh	Ghoghari
25	Nilesh	Ghoghari

Id	Email	Password
4	jatinrmn@gmail.com	Jatin123
25	ghogharinilesh7@gmail.com	Nilesh123



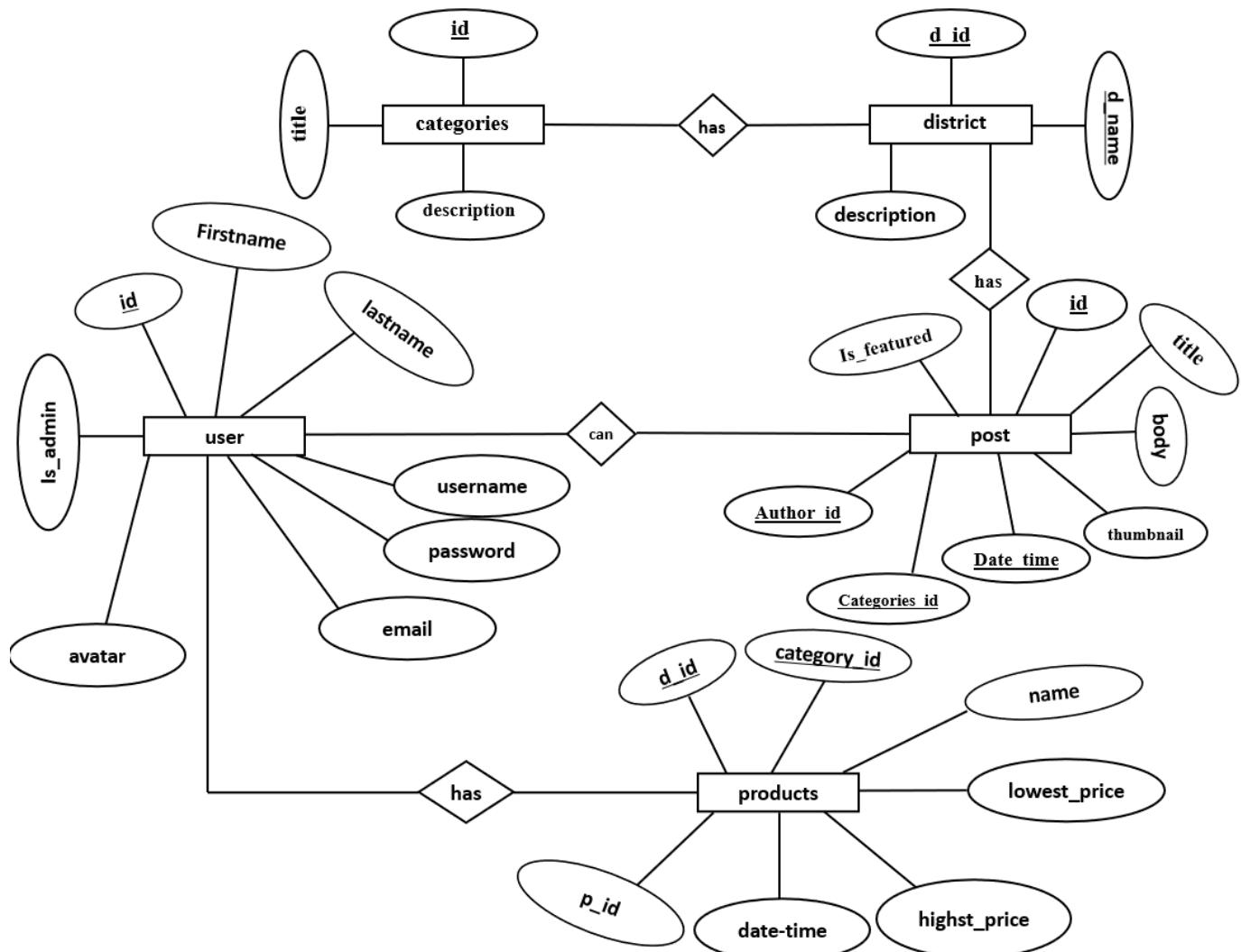
System Analysis

7.1 System Flowchart





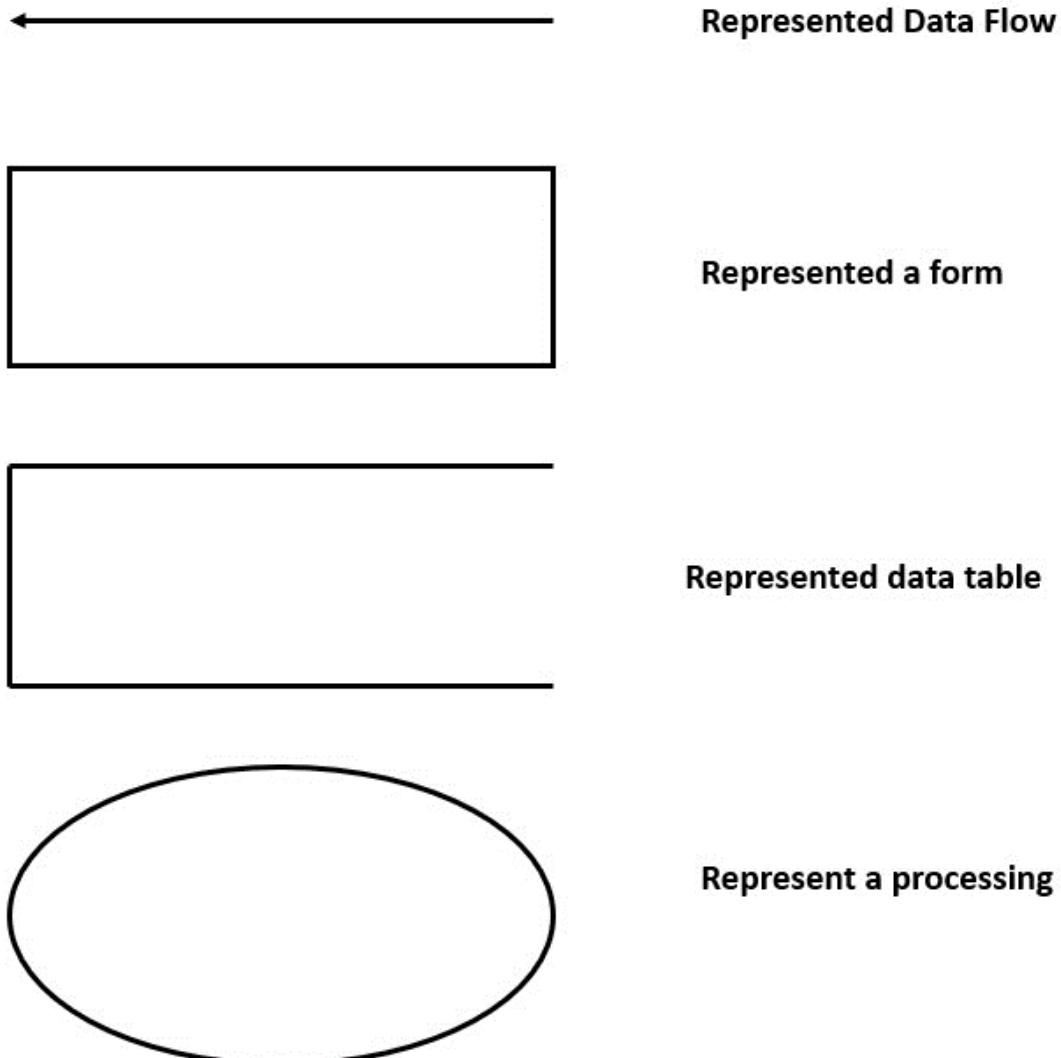
7.2 ER (Entity Relationship) Diagram





7.3 Data flow diagram

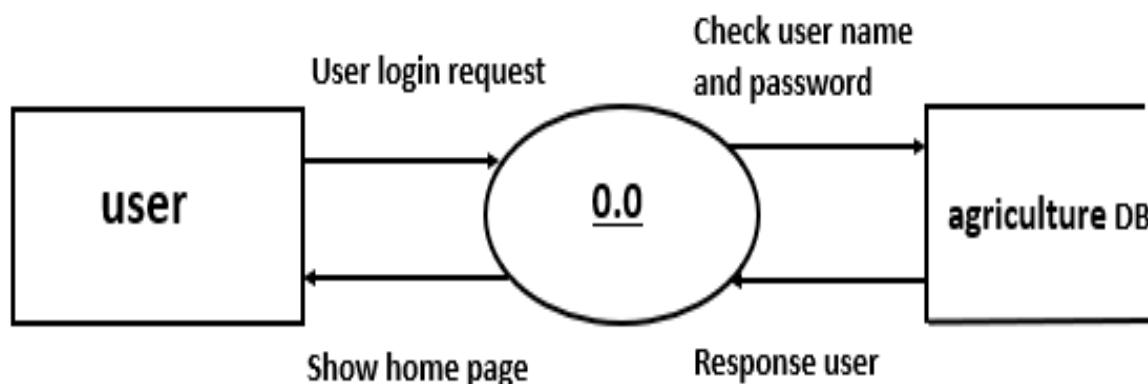
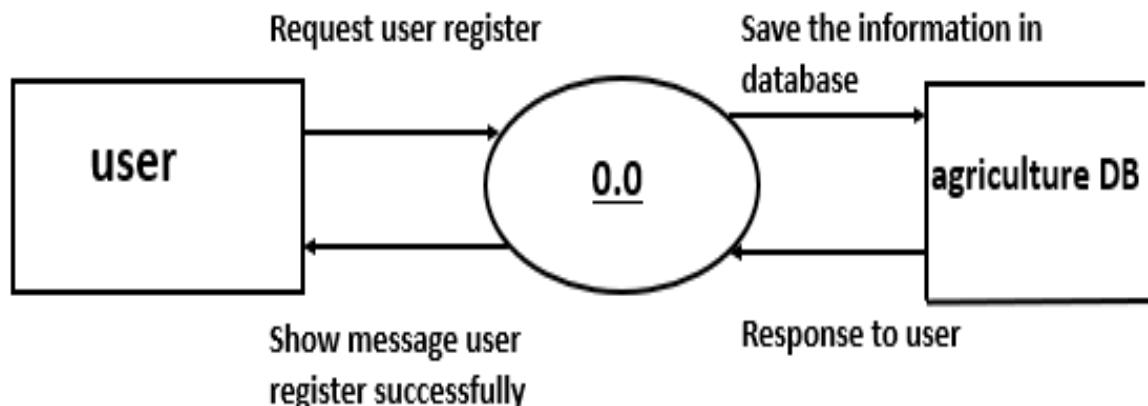
- The DFD gives brief idea on how the designed system is working. It also suggests to us the type of users who using this system and the process involved in the system





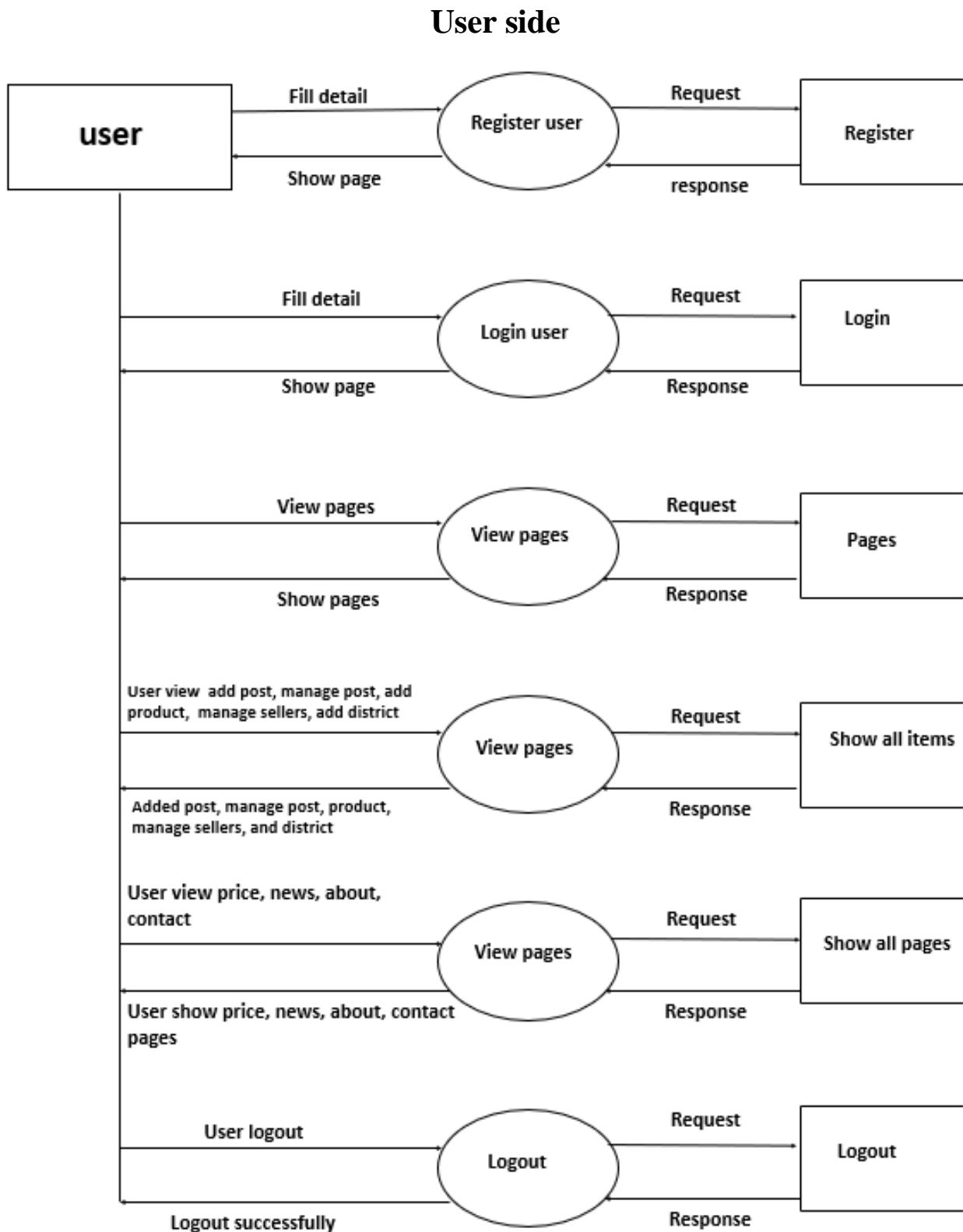
7.3.1 Context Level Diagram (Level 0)

User register system





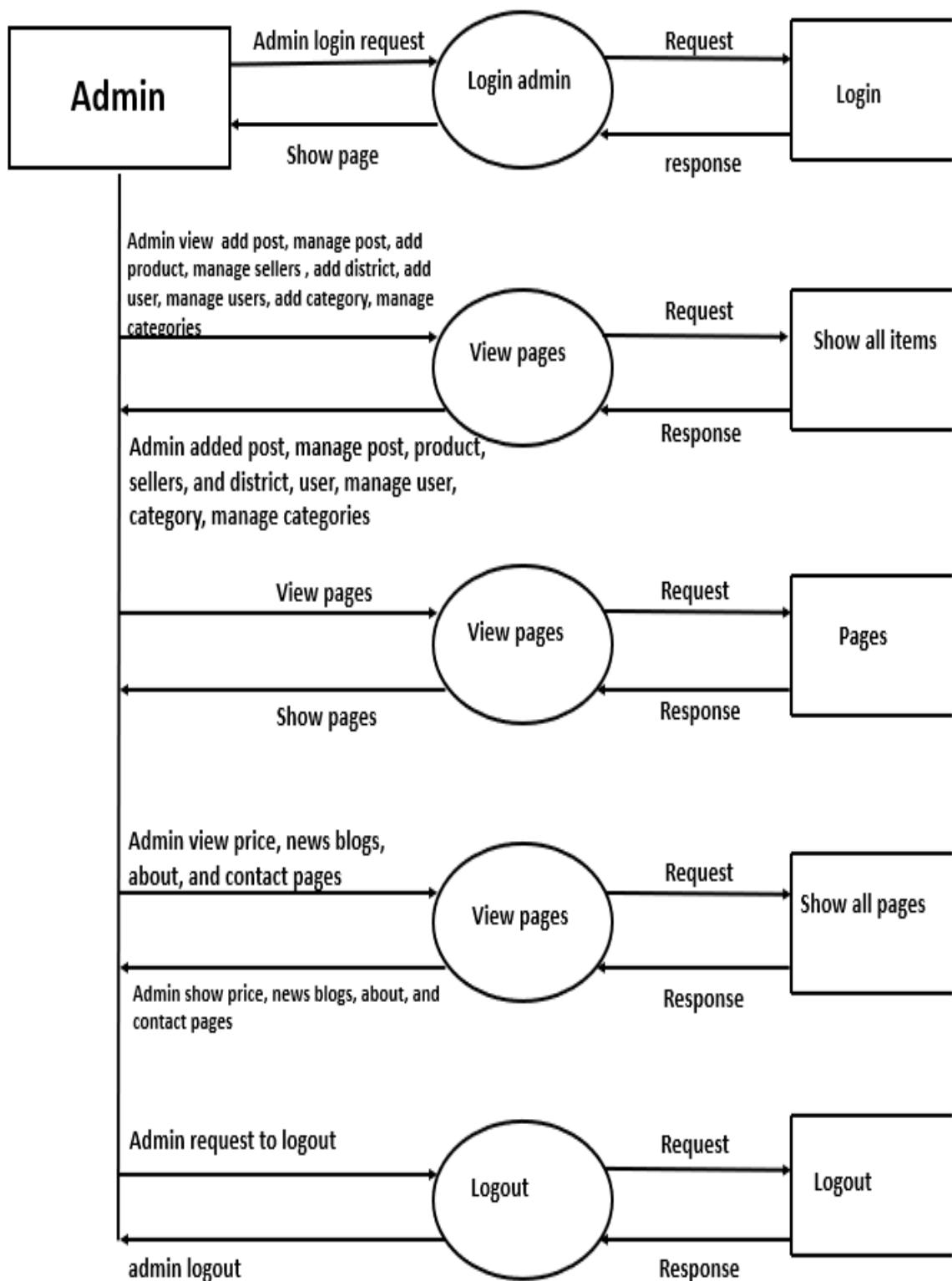
7.3.2 First Level Diagram (Level 1)





7.3.3 Second Level Diagram (Level 2)

Admin side





7.4 Use-case Diagram

Use case diagrams model behaviour within a system and helps the developers understand what the user require. The stick man represents what's called an actor.

Use case diagram can be useful for getting an overall view of the system and clarifying who can do and more importantly what they can't do.

Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

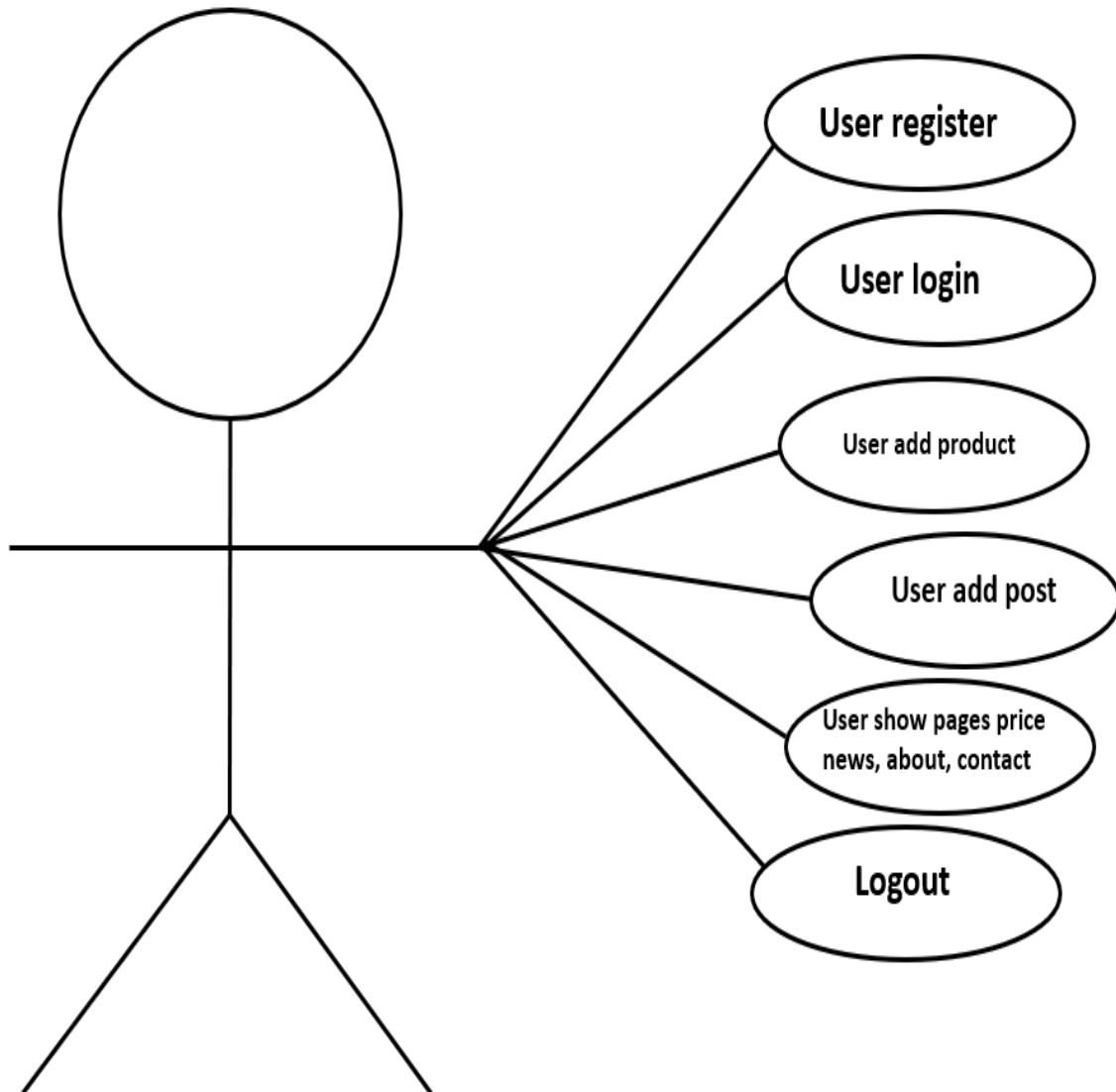
- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.
- An actor could be the end-user of the system or an external system.

USECASE DIAGRAM:

- A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name.
- Use case diagram is a behavioural diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors.
- An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.

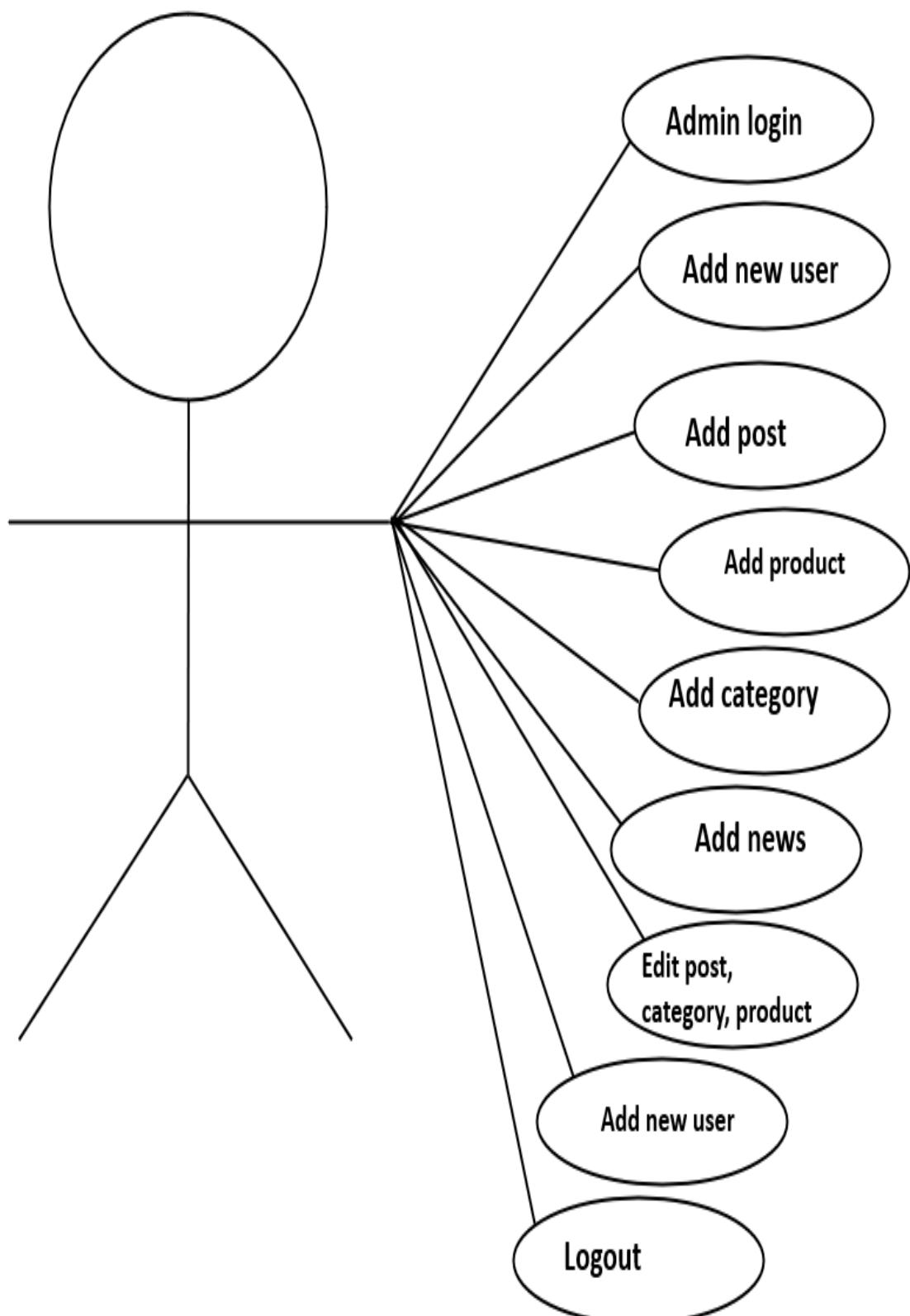


User





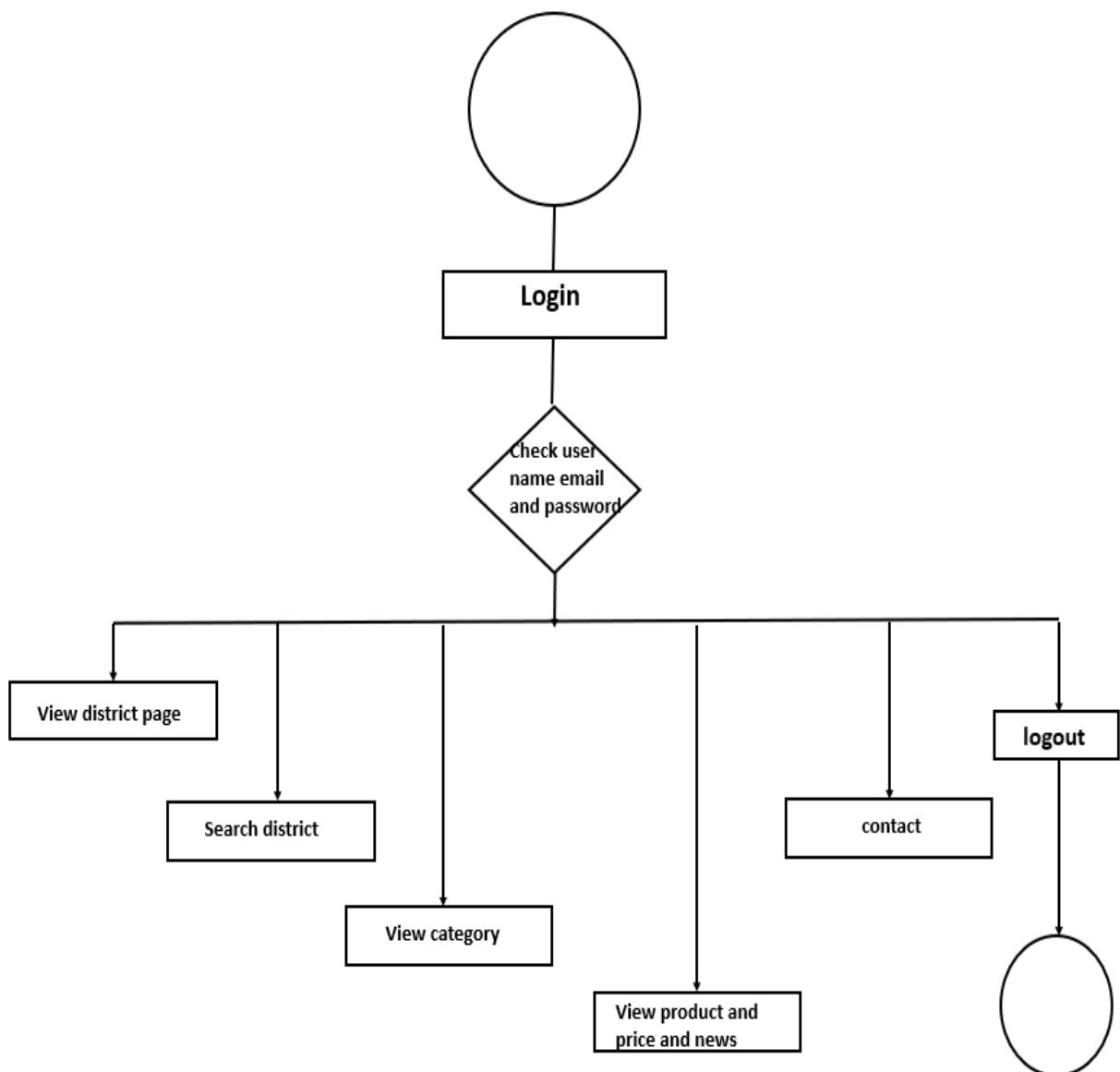
Admin





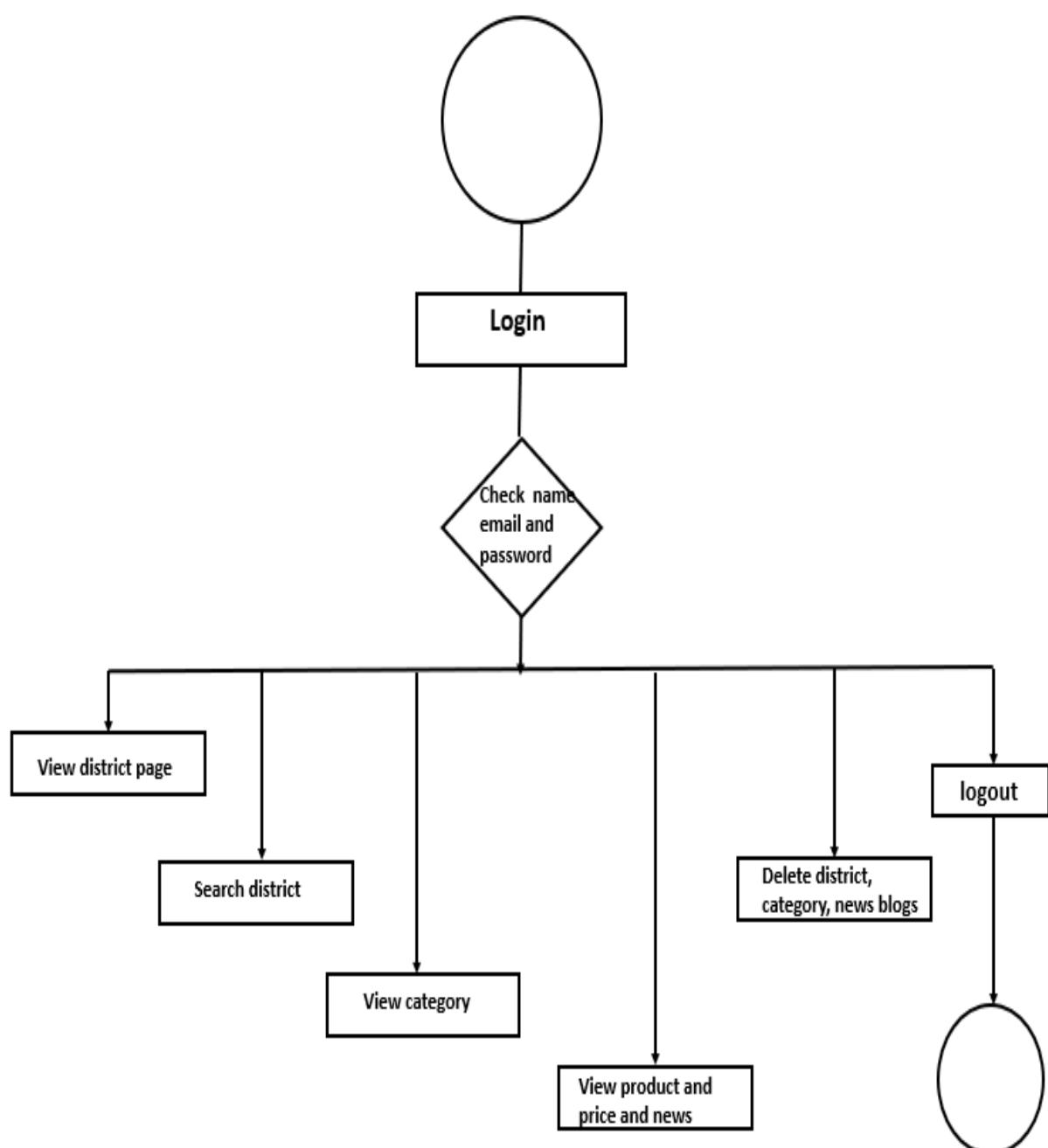
7.5 Activity Diagram

User side





Admin side





8 System Design

1. Home page

The screenshot shows the homepage of the Agriculture Marketing website. At the top, there is a navigation bar with links for Prices, News, About, Contact, and Signin. Below the navigation bar is a large image of a green harvester machine in a field. To the right of the image, there is a news article titled "Harvester : Goa Government is to Re-implement Harvesting Machine Subsidy Scheme". The article includes a short description, the author's profile picture, and the date (Aug 17, 2023 - 13:35). Below this, there are nine smaller news cards arranged in a grid. Each card has a thumbnail image, a news category button (e.g., News), a title, a brief description, the author's profile picture, the author's name, and the date. The news titles include "John Deere updates precision ag technology", "Delhi government proposes to increase circle rate for agricultural land", "India's rice export ban could hit planting, farm income: Farmers' body", "Farmers call off protest after CM assures action in case linked to BJP MLA", "Harvester : Goa Government is to Re-implement Harvesting Machine Subsidy Scheme", "Wheat prices drop at in FCI's e-auction to average ₹2,156/quintal", and "Uncategorized", "Crops", "Vegetables", "Fruits", and "News". At the bottom of the page, there are links for Categories, Support, News, and Permalinks, along with social media icons for YouTube, Facebook, LinkedIn, Instagram, and Twitter. A copyright notice at the very bottom reads "Copyright © 2022 AGRICULTURE MARKETING".

Description :

- Above screenshot is Home page where user can view featured Post(News) and up to 9 latest Posts(news).



2. News Page

The screenshot displays a news page from the 'AGRICULTURE-MARKETING' website. The top navigation bar includes links for 'Prices', 'News', 'About', and 'Contact'. A search bar with a magnifying glass icon and a 'Go' button is also present. Below the navigation, there are nine news items arranged in a 3x3 grid. Each news item features a thumbnail image, the title, a brief description, the author's name ('By: Jatin Ramani'), and the publication date ('Aug 17, 2023 - 13:42'). The news categories shown are 'News' and 'Crop'. The titles and descriptions of the news items are as follows:

- John Deere updates precision ag technology**
For many years, John Deere has offered reliable and high-performance precision ag technology. In 2023, all essentials of the advanced equipment are re ...
By: Jatin Ramani Aug 17, 2023 - 13:42
- Delhi government proposes to increase circle rate for agricultural land**
The Delhi government's proposal to raise the circle rate for agricultural land from Rs 53 lakh to up to Rs 5 crore per acre is likely to drive up ...
By: Jatin Ramani Aug 17, 2023 - 13:41
- India's rice export ban could hit planting farm income: Farmers' body**
Rice planting in India could fall by 5% as New Delhi's decision to ban non-basmati white rice exports will cut farm income and encourage growers ...
By: Jatin Ramani Aug 17, 2023 - 13:58
- Farmers call off protest after CM assures action in case linked to BJP MLA**
A farmers' "padyatra" that was headed towards Gandhinagar was called off Wednesday after Chief Minister Bhupendra Patel met farmers & ...
By: Jatin Ramani Aug 17, 2023 - 13:37
- Harvester : Goa Government is to Re-implement Harvesting Machine Subsidy Scheme**
Gujarat government has decided to re-implement the scheme for small farmers after a gap of nearly one season by considering the growing demand ...
By: Jatin Ramani Aug 17, 2023 - 13:35
- Wheat prices drop at FCI's e-auction to average ₹2,156/quintal**
The latest round of weekly e-auction on Wednesday under the Centre's Open Market Sale Scheme (OMSS) surprised the trade and industry as there wa ...
By: Jatin Ramani Aug 17, 2023 - 13:34
- India Agricultural Tractor Machinery Market Analysis**
The India Agricultural Tractor Market size is expected to grow from USD 2.24 billion in 2023 to USD 2.96 billion by 2028, at a CAGR of 5.80% during th ...
By: Jatin Ramani Aug 17, 2023 - 13:32
- Seeds for growth: How technology can boost Indian agriculture**
Agriculture and allied sectors are central to the Indian economy. Keeping this and a sustainable future in mind, the Indian government, quite rightly, ...
By: Jatin Ramani Aug 17, 2023 - 13:28
- Tractor sales down 11% in April due to unseasonal rains**
12 September 2022, New Delhi: The last two months have been difficult for the tractor industry as the sales did not pickup. The month of July saw a 27 ...
By: Jatin Ramani Aug 17, 2023 - 13:25

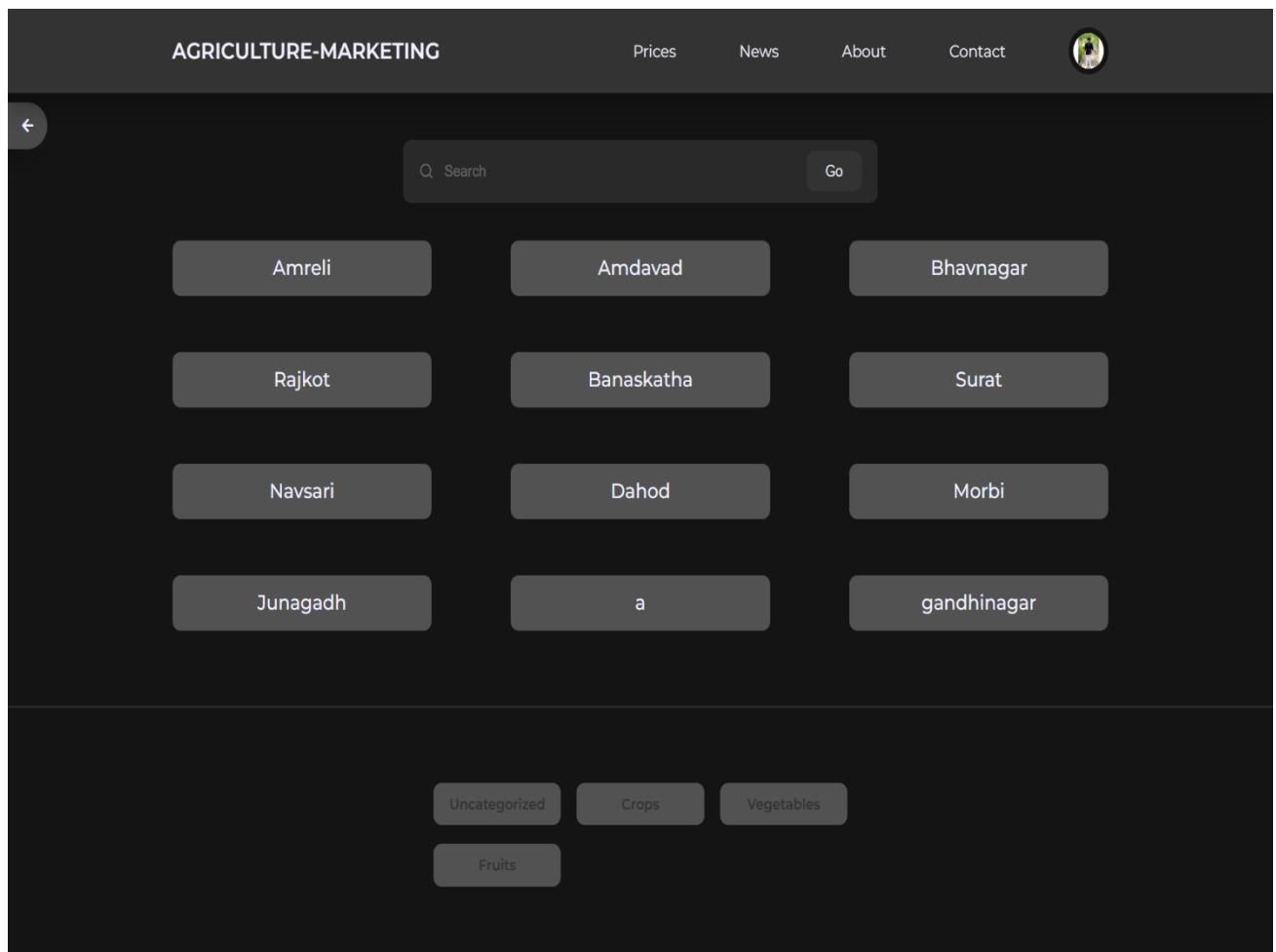
At the bottom of the page, there are category filters: Uncategorized, Crops, Vegetables, Fruits, and News.

Description :

- Above screenshot is the News Page where user can view all the Posts(News).



3. Search District



Description :

- Above screenshot is Price page where user can Search/View all Sellers/District Yard names.



4. Show MarketPrice Table

The screenshot shows a mobile application interface. At the top, there is a navigation bar with the text "AGRICULTURE-MARKETING" on the left and links for "Prices", "News", "About", and "Contact" on the right. A user profile icon is also present in the top right corner. Below the navigation bar, the main content area has a dark background. It displays a title "Amreli MarketYard Price" and a date "Date: 03/08/2023". Underneath the date, it says "Thursday" and "20KG". A table is shown with the following data:

Name	Lowest Price	Highest Price	Category
Apple	120	140	Fruits
Garlik	35	56	Vegetables
Kapas	1500	2000	Crops
Grapes	120	140	Fruits
Onions	130	140	Vegetables

Description :

- Above screenshot is particular seller's Price List Table where user can see all Product prices and compare.



5. About Us

The screenshot shows the 'About Us' page of the Agriculture-Marketing website. At the top, there is a navigation bar with links for 'Prices', 'News', 'About', and 'Contact'. A user profile icon is also visible. The main title 'About Us' is centered above a paragraph of text. Below the title, there are several sections with headings like 'Our Mission', 'What We Offer', 'Our Commitment', and 'Join Us on this Journey', each containing descriptive text. The overall layout is clean and professional.

AGRICULTURE-MARKETING

Prices News About Contact 

About Us

Welcome to **Agriculture-Marketing**, your ultimate online destination for all things related to agriculture and crop pricing. We are passionate about empowering farmers, agricultural enthusiasts, and consumers with accurate information, insightful resources, and real-time updates about crop prices. Our platform is dedicated to bridging the gap between the agricultural sector and the wider community, fostering transparency, informed decision-making, and sustainable growth.

Our Mission

At Agriculture-Marketing, our mission is to revolutionize the way people engage with agriculture and crop pricing. We strive to be the go-to source for farmers seeking reliable information to optimize their cultivation practices and make informed choices about their produce. Additionally, we aim to provide consumers with a deeper understanding of the agricultural industry, promoting a stronger connection between the food on their table and the hard work that goes into producing it.

What We Offer-

Accurate Crop Pricing: Our website offers real-time updates on crop prices, ensuring that farmers and buyers are equipped with the latest information to make strategic decisions. We understand that pricing plays a pivotal role in determining the success of agricultural endeavors, and we're committed to delivering precise and up-to-date data.

Educational Resources: We believe that knowledge is a key driver of progress. Our platform features a rich collection of articles, guides, and tutorials covering a wide range of agricultural topics. From best practices in cultivation to innovative techniques, we aim to empower our users with the insights they need to excel in their agricultural pursuits.

Community Engagement: Agriculture is a collaborative effort, and we encourage community engagement. Our website provides spaces for discussions, forums, and networking opportunities, where individuals can connect, share experiences, and learn from one another. By fostering a sense of community, we hope to enhance the collective knowledge and support within the agricultural sector.

User-Friendly Interface: We understand the importance of simplicity and accessibility. Our user-friendly interface is designed to cater to users of all backgrounds and expertise levels. Whether you're a seasoned farmer, a budding enthusiast, or a curious consumer, navigating our website and accessing valuable information is a seamless experience.

Our Commitment

At Agriculture-Marketing, we are committed to integrity, accuracy, and reliability. Our team of experienced professionals, agricultural experts, and technology enthusiasts work diligently to ensure that the information we provide is trustworthy and up-to-date. We are dedicated to continuously improving and expanding our services to meet the evolving needs of the agricultural community.

Join Us on this Journey

Whether you're a farmer seeking to optimize your yields, a buyer looking to make informed purchasing decisions, or simply someone interested in learning more about the world of agriculture, Agriculture-Marketing is your partner on this journey. Together, let's nurture a thriving agricultural ecosystem built on knowledge, transparency, and sustainable growth.

Thank you for choosing Agriculture-Marketing as your source for agriculture and crop pricing information. We look forward to being a valuable resource in your agricultural endeavors.

Description :

- Above screenshot is About Us page.



6. Contact Us

AGRICULTURE-MARKETING

Prices News About Contact

Contact Us

Email : agrmart@gmail.com

Mobile : 7861035002

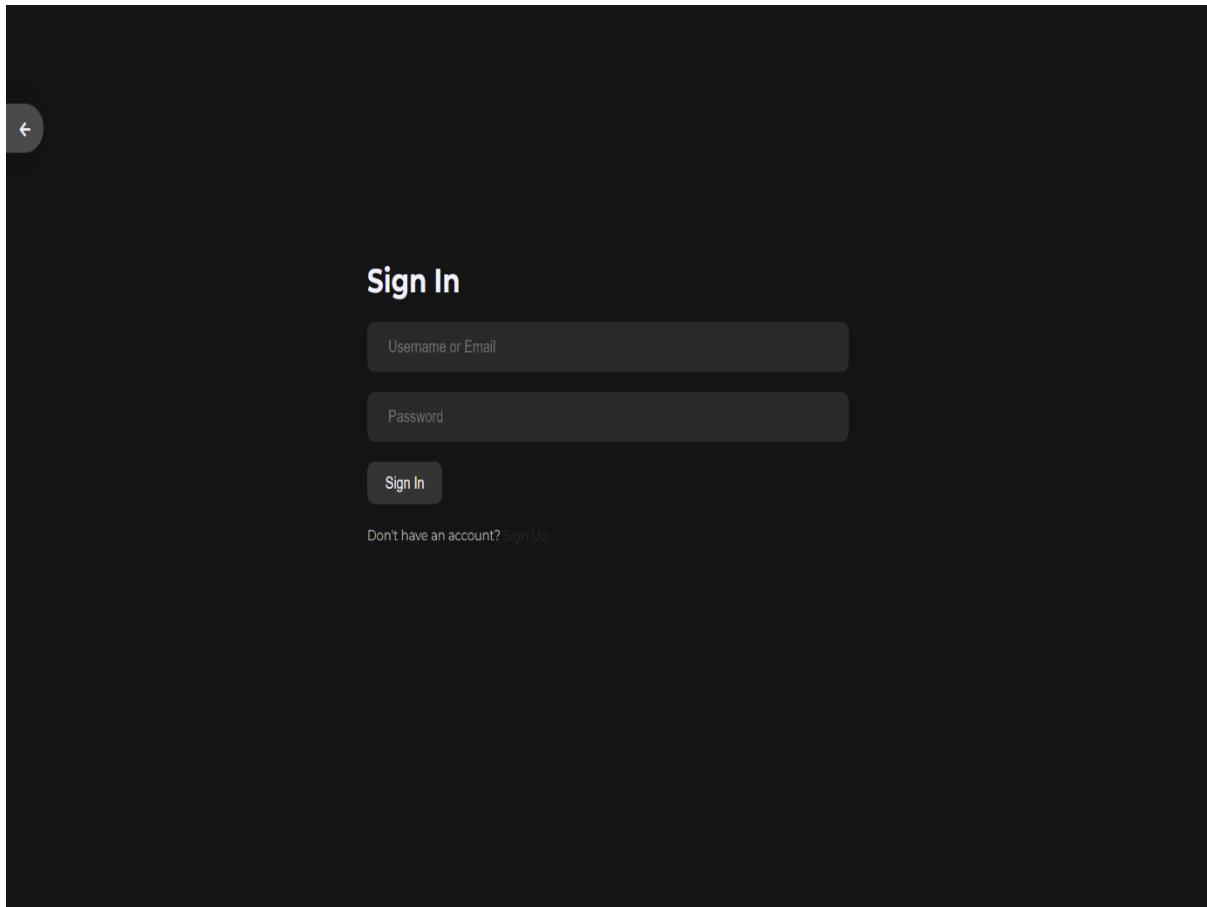
Telegram : agrmart@123

WhatsApp : 7861035002

Description :

- Above screenshot is Contact Us page.

7. Sign in page



Description :

- Above screenshot is sign in page .
- Admin or sellers will access the admin pages after sign-in successful.



8. Admin page

The screenshot shows the Admin side HomePage for 'AGRICULTURE-MARKETING'. The top navigation bar includes links for 'Prices', 'News', 'About', and 'Contact', along with a user profile icon. On the left, a sidebar lists various management options: 'Add Post', 'Manage Post', 'Add Product', 'Manage Sellers', 'Add District', 'Add User', 'Manage Users', 'Add Category', and 'Manage Categories'. The main content area is titled 'Manage Posts' and displays a table of news items. Each item has columns for 'Title', 'Category', and 'Edit/Delete' buttons.

Title	Category	Edit	Delete
John Deere updates precision ag technology	News	<button>Edit</button>	<button>Delete</button>
Delhi government proposes to increase circle rate for agricultural land	News	<button>Edit</button>	<button>Delete</button>
India's rice export ban could hit planting, farm income: Farmers' body	News	<button>Edit</button>	<button>Delete</button>
Farmers call off protest after CM assures action in case linked to BJP MLA	News	<button>Edit</button>	<button>Delete</button>
Harvester : Goa Government is to Re-implement Harvesting Machine Subsidy Scheme	News	<button>Edit</button>	<button>Delete</button>
Wheat prices drop at in FCI's e-auction to average ₹2,156/quintal	News	<button>Edit</button>	<button>Delete</button>
India Agricultural Tractor Machinery Market Analysis	News	<button>Edit</button>	<button>Delete</button>
Seeds for growth: How technology can boost Indian agriculture	News	<button>Edit</button>	<button>Delete</button>
Tractor sales down 11% in April due to unseasonal rains	News	<button>Edit</button>	<button>Delete</button>

Description :

- Above screenshot is Admin side HomePage.
- Here admin can MANAGE/ADD/EDIT/DELETE anything .



9. Admin add post

The screenshot shows a dark-themed web application interface for adding a new post. At the top, there is a navigation bar with the site name "AGRICULTURE-MARKETING" and links for "Prices", "News", "About", and "Contact". A user profile icon is also visible. Below the navigation bar, the main content area has a title "Add Post". It includes fields for "title" (empty), "Category" (set to "Uncategorized"), and a large "Body" text area (empty). There is a checked checkbox for "Featured", a "Choose File" button with "No file chosen", and a "Add Post" button at the bottom.

Description :

- This is Add Post page.
- Here admin can ADD new Post(News).



10.Admin manage post

The screenshot shows a dark-themed web application interface. At the top, there's a navigation bar with links for 'Prices', 'News', 'About', and 'Contact'. A user profile icon is also present. Below the navigation, the main content area has a title 'Manage Posts' and a table listing news items. The table columns are 'Title', 'Category', 'Edit', and 'Delete'. Each row represents a news article with its title, category (News), and two action buttons ('Edit' and 'Delete'). On the left side of the main content area, there's a sidebar with several management options: 'Add Post', 'Manage Post', 'Add Product', 'Manage Sellers', 'Add District', 'Add User', 'Manage Users', 'Add Category', and 'Manage Categories'. The news articles listed in the table are:

Title	Category	Edit	Delete
John Deere updates precision ag technology	News	Edit	Delete
Delhi government proposes to increase circle rate for agricultural land	News	Edit	Delete
India's rice export ban could hit planting, farm income: Farmers' body	News	Edit	Delete
Farmers call off protest after CM assures action in case linked to BJP MLA	News	Edit	Delete
Harvester : Goa Government is to Re-implement Harvesting Machine Subsidy Scheme	News	Edit	Delete
Wheat prices drop at in FCI's e-auction to average ₹2,156/quintal	News	Edit	Delete
India Agricultural Tractor Machinery Market Analysis	News	Edit	Delete
Seeds for growth: How technology can boost Indian agriculture	News	Edit	Delete
Tractor sales down 11% in April due to unseasonal rains	News	Edit	Delete

Description :

- This is Manage Posts Page.
- Here admin can VIEW/EDIT/DELETE the Posts(News).



11.Admin add product

The screenshot shows a dark-themed web page titled 'Add Product'. At the top, there is a navigation bar with links for 'Prices', 'News', 'About', and 'Contact'. A user profile icon is also visible. Below the navigation, there is a back arrow icon. The main form area has several input fields: 'Name of Product' with a placeholder 'Name', 'Select Category' with a dropdown menu showing 'Uncategorized', 'Select District' with a dropdown menu showing 'Amreli', 'Lowest Price(₹)' with a placeholder 'Lowest Price', and 'Highest Price(₹)' with a placeholder 'Highest Price'. At the bottom of the form is a large blue button labeled 'Add Product'.

Description :

- This is Add Product page.
- Here admin can ADD new Product.



12. Manage sellers

District	View Products	Edit	Delete
Amreli	View	Edit	Delete
Amdavad	View	Edit	Delete
Bhavnagar	View	Edit	Delete
Rajkot	View	Edit	Delete
Banaskatha	View	Edit	Delete
Surat	View	Edit	Delete
Navsari	View	Edit	Delete
Dahod	View	Edit	Delete
Morbi	View	Edit	Delete

Description :

- This is Manage Sellers page.
- Here admin can VIEW/EDIT/DELETE the Districts and Products.



13.Admin add district

The screenshot shows a dark-themed web page titled 'Add District'. At the top, there's a navigation bar with links for 'Prices', 'News', 'About', and 'Contact'. Below the title, there are two input fields: 'District Name' and 'Description', followed by a 'Add District' button. At the bottom of the page, there's a footer with social media icons for YouTube, Facebook, Instagram, LinkedIn, and Twitter. The footer also contains a table with links to various categories and support options.

Categories	Support	News	Permalinks
Uncategorized	Online Support	Safety	Home
Crops	Call Numbers	Repair	Price
Vegetables	Email	Recent	News
Fruits	Social Support	Popular	About
News	Location	Categories	Services
			Contact

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Description :

- This is Add District page.
- Here admin can ADD new District's yard Name.



14.Add user

The screenshot shows a dark-themed web page titled "AGRICULTURE-MARKETING". At the top right are links for "Prices", "News", "About", and "Contact", along with a user profile icon. On the left, there is a back arrow icon. The main content area contains the following fields:

- First Name
- Last Name
- Username
- Email
- Create Password
- Confirm Password
- Author (with a dropdown arrow)
- User Avatar
Choose File No file chosen
- Add User

Description :

- This is Add User page.
- Here admin can ADD new User/Admin.



15. Manage user

The screenshot shows a dark-themed web application interface. At the top, there's a navigation bar with links for 'Prices', 'News', 'About', 'Contact', and a user profile icon. On the left, a sidebar contains links for 'Add Post', 'Manage Post', 'Add Product', 'Manage Sellers', 'Add District', 'Add User', and 'Manage Users'. The main content area is titled 'Manage Users' and displays a table with two rows of user data. The table columns are 'Name', 'Username', 'Edit', 'Delete', and 'Admin'. The first row shows 'nilesh ghoghari' and 'nilesh' with 'Edit' and 'Delete' buttons, and 'No' under 'Admin'. The second row shows 'keyur vaghasiya' and 'kt' with 'Edit' and 'Delete' buttons, and 'No' under 'Admin'.

Name	Username	Edit	Delete	Admin
nilesh ghoghari	nilesh	<button>Edit</button>	<button>Delete</button>	No
keyur vaghasiya	kt	<button>Edit</button>	<button>Delete</button>	No

Description :

- This is Manage User page.
- Here admin can VIEW/EDIT/DELETE the Users/admin.



16.Add category

The screenshot shows a dark-themed web page titled 'Add Category'. At the top, there's a navigation bar with links for 'Prices', 'News', 'About', and 'Contact'. Below the title, there are two input fields: 'title' and 'Description', followed by a 'Add Category' button. At the bottom of the page, there's a footer with social media icons for YouTube, Facebook, Instagram, LinkedIn, and Twitter. A table below the footer lists categories, support options, news items, and permalinks.

Categories	Support	News	Permalinks
Uncategorized	Online Support	Safety	Home
Crops	Call Numbers	Repair	Price
Vegetables	Email	Recent	News
Fruits	Social Support	Popular	About
News	Location	Categories	Services
			Contact

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Description :

- This is Add Category page.
- Here admin can ADD new Category.



17. Manage category

Title	Edit	Delete
Crops	Edit	Delete
Fruits	Edit	Delete
News	Edit	Delete
Uncategorized	Edit	Delete
Vegetables	Edit	Delete

Description :

- This is Manage Categories page.
- Here admin can VIEW/EDIT/DELETE the Categories.



9. System Testing

1. Unit testing

- unit testing is the process of checking small pieces of code to ensure that the individual parts of a program work properly on their own.
- Unit tests are used to test individual blocks (units) of functionality. unit testing is done by developers.

2. Integration testing

- Integration testing is conducted to evaluate the compliance of a system or component with specified functional requirements it occurs after testing and before system testing
- Types of integration testing

- 1. Big – bang**
- 2. Mixed (sandwich)**
- 3. Top – down**
- 4. Bottom – up**

3. System testing

- System Testing is a level of testing that validates the complete and fully integrated software product.
- The purpose of a system test is to evaluate the end-to-end system specifications.
- System Testing is a black-box testing.
- System testing categories based on functional / non – functional requirement.



Test cases

Test case – 1

Input: user registration

Output: user registration successfully

Test case – 2

Input: user login

Expected output: if user want to login for that user must create registration if user previously not create account

Actual output: user login successfully

Pass: yes

Test case – 3

Input: user enter invalid username or password

Expected output: it displays error message

Actual output: invalid username or password

Pass: yes

Test case: 4

ERNo: 0032032161

ERNo: 0032032132



Input: enter all information of require field

Expected output: user has successful create login and also registration if all details and invalid user enter personal information user detail will be verify in database

Actual output: user has successfully registered

Test case: 5

Input: search product

Expected output: user can search for event his desire and requirement

Actual output: user can show all event his search

Test case: 6

Input: add product

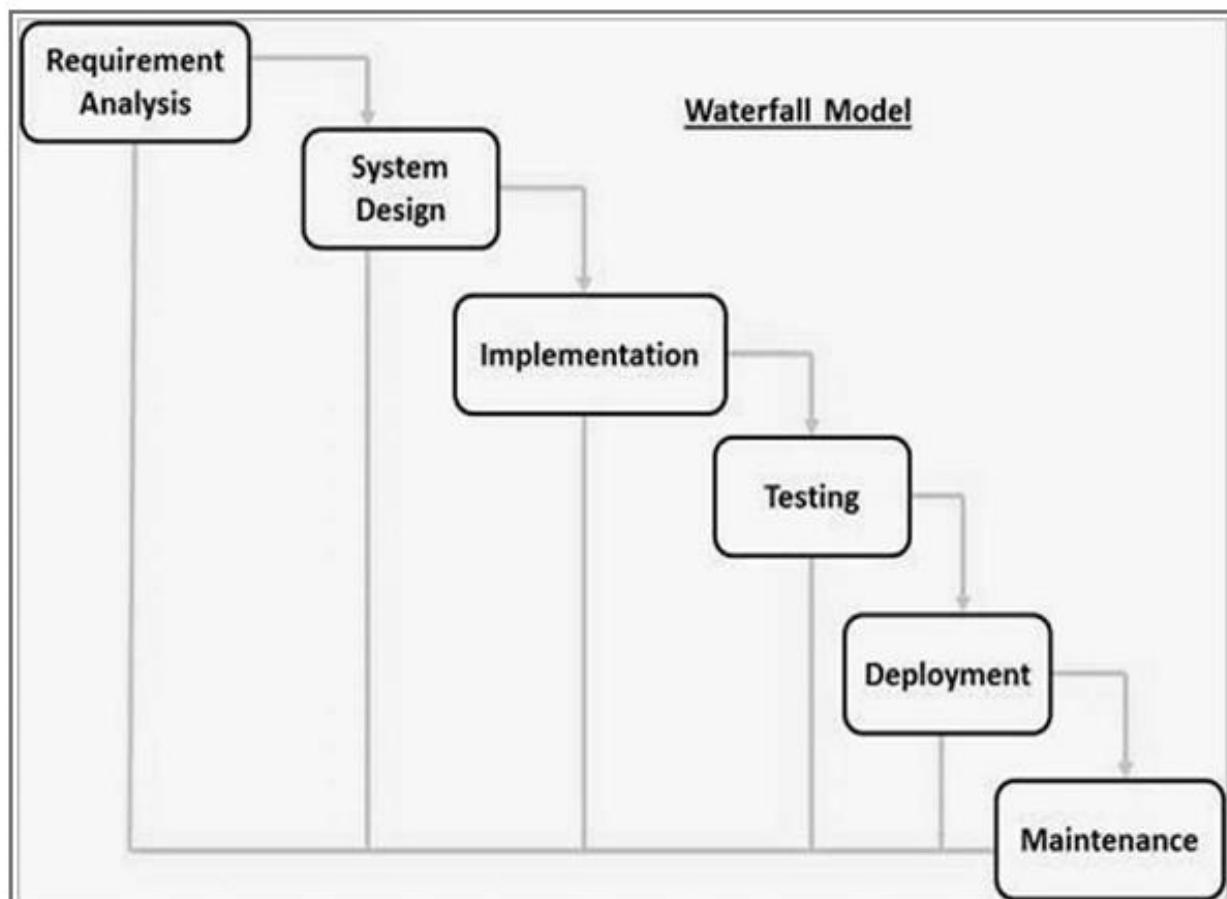
Expected output: when admin to insert new product it can be added to the database with require information.

Actual output: product add successfully

Pass: yes

10. Implementation Planning

- Implementation of the new system is very critical and very complex. Implementation has many activities that are necessary from the old system to the new system. Proper implementation and installation are very useful.
 - Proper installation will do user of this system will get the original advantages of the system then only.
 - The implementation is very useful from the side of development. In some situations, a physical representation is developed and treated as the first step in software design. But most computerized system is specified in such a manner that it dictates accommodation of implementation's list and its details.
 - The implementation of the software development life cycle can also complete at the end-of-life cycle process.
 - These are the advantages of the implementation before installing the product or the software. Without the proper implementation of the system the customer or the user Can't work properly and as they expected in the SRS document.
- **Waterfall Model**





Module

❖ User side

- User registration
- User login
- User add post
- User manage post
- Add product
- Manage sellers
- Add district
- User view price, news, about, and contact pages.
- User show price
- User view the news blogs
- User contact
- User logout

❖ Admin side

- Admin login
- Add post
- Manage post
- Add product
- Manage sellers
- Ad district
- Add user
- Manage user
- Add category
- Manage category
- Admin show price, news, about and contact pages
- Admin show prices
- Admin show news and blogs
- Admin logout



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