

PRAYOSHA

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Under Guidance

of

Internal Guide

Konica Soni

Submitted to



Smt. Chandaben Mohanbhai Patel Institute of Computer Applications
CHARUSAT
Changa

May 2022-23



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CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

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Acknowledgement

Knowledge in itself is a continuous process. At this moment of our substantial enhancement, We rarely find words to express our gratitude towards those who were constantly involved with us.

The completion of any inter disciplinary project depends upon coordination, cooperation and combined efforts of several resources of knowledge, creativity, skill, energy and time. The work being accomplished now, we feel our sincerest urge to recall and knowledge through these lines, trying our best to give full credit wherever it deserves.

We would like to thank our project guide **Ms. Konica Soni** and I/C Principal **Dr. Dharmendra Patel** & I/C Dean **Dr. Sanskruti Patel** who advised and gave us moral support through the duration of our project. Without their constant encouragement we could not have been able to achieve what we have.

It's our good fortune that we had support and well wishes of many. We are thankful to all and those names which have been forgotten to acknowledge here but contributions have not gone unnoticed.

With Sincere Regards,

Prapti Patel (20BCA019)

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1 PROJECT PROFILE

1.1 Project Description:

Prayosha, the web application for solar firm is a cutting-edge and all-encompassing platform created to expedite operations and successfully manage solar projects. Lead management, customer management, project management, reporting and analytics, user management, and integration possibilities are just a few of the many features and functionalities offered by the application.

The application is made to interact with other company systems, and project management tools, to streamline operations and prevent double data entry. Its architecture is flexible and extensible, and it is adaptable to meet the needs of the solar company's expanding business.

This web application, which made for a solar panel company named Prayosha, as described above, can lead to secure, reliable and error free system using parameterized queries, input validations, limiting user privileges, regularly updating, firewalls and intrusion detection systems and educate the user.

In general, the web application for solar firms is a potent tool that enables solar energy companies to effectively manage their solar projects, enhance their business processes, and meet their sustainability objectives.

1.1.1 Project Features:

Features:

- Collaboration Of Various Marketing Tools
- Web-based Business Support
- Brand Integration
- Online Shopping
- Self-Registration for Clients
- Responsive Design Features
- Accreditation Support
- Natural User Interface
- Availability Features

Admin/User side Features:

- Signing Up for placing order
- Reporting and Data Analysis
- Assessment Management & Live Feedback
- Quality Content
- Quick User Integration
- Easy Payment Methods
- Team Information Management

1.2 Project Profile:

Project Name:	Prevention of security breaches caused by SQL Injections
Front-End:	CSS, JavaScript, HTML
Back-End:	MySQL, PHP
Browsers:	Google Chrome, Mozilla, Safari
Platform:	Windows 10, 11
Documentation Tool:	Microsoft Office Word 2019
Guide:	Ms. Konica Soni
Submitted To:	Charotar University of Science and Technology
Developed By:	Prapti Jigneshbhai Patel
	Atmik Maheshbhai Virani

2 Introduction to Tools

2.1 Hardware and Software Requirements:

Hardware Specification	
Development Time:	4 GB RAM, intel core i3 or Higher processor
Run Time:	1 GB RAM, intel core i3 or Higher processor

Software Specification	
Browser:	Google Chrome, Mozilla, Safari
Operating System:	Windows 10, 11
Front-End:	CSS, JavaScript, HTML
Back-End:	MySQL, PHP
Other Tools:	Microsoft Visual Studio Code

2.2 Technology Used:

2.2.1 Back-End Tools:

✚ MySQL Technology:

➤ Introduction to MySQL:

- **MySQL** is an open-source relational database management system(RDBMS).
- It is the most popular database system used in PHP.
- **MySQL** is very fast, reliable, and easy to use database system. It uses standard SQL.
- **MySQL** works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc.
- **MySQL** is very friendly to PHP, the most appreciated language for web developments.
- **MySQL** supports large databases, up to 50 million rows or more in a table. The default file size limit for a table is 4GB, but you can increase this to a theoretical limit of 8 million terabytes.



➤ Features of MySQL:

1. Scalability & Flexibility:

With MySQL you can run deeply embedded applications and create data warehouses holding a humongous amount of data.

2. High Performance & Availability:

Provides fast load utilities with distinct memory caches and table index partitioning. MySQL can run high-speed master/slave replication configurations and its offers cluster servers.

3. It is secure:

MySQL consists of a solid data security layer that protects sensitive data from intruders. Also, passwords are encrypted in MySQL.

4. High Performance:

MySQL is faster, more reliable, and cheaper because of its unique storage engine architecture. It provides very high-performance results in comparison to other databases without losing an essential functionality of the software. It has fast loading utilities because of the different cache memory.

5. Dual Password Support:

MySQL version 8.0 provides support for dual passwords: one is the current password, and another is a secondary password, which allows us to transition to the new password.

6. Client/Server Architecture:

MySQL follows working of a client/server architecture. There is a database server(MySQL) and arbitrarily many clients (application programs), which communicates with the server; that is, they can query data, save changes, etc.

🚦 PHP:

➤ Introduction to PHP:

- **PHP** started out as a small open source project that evolved as more and more people found out how useful it was. Rasmus Lerdorf unleashed the first version of PHP way back in 1994.
- **PHP** is a recursive acronym for “PHP: Hypertext Pre-processor”.
- **PHP** is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.
- **PHP** supports a large number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.
- **PHP** supports large number of major protocols such as POP3, IMAP, LDAP. PHP4 added support for java and distributed object architectures (COM and COBRA), making n-tier development a possibility for the first time.
- **PHP** is forgiving: PHP language tries to be as forgiving as possible.
- **PHP** Syntax is C-like.



➤ **Advantages of PHP:**

PHP has remained one of the most versatile and pragmatic web development languages in the world today.

PHP range of functionalities, amazing array of add-ins to extend functionalities, its open-source nature, and tremendous online community support has made PHP a perennial favourite amongst newbies as well as established development agencies worldwide.

- **Easy and Simple to Learn**
- **Extremely Flexible**
- **Easy Integration and Compatibility**
- **Efficient Performance**
- **Cost-Efficient**
- **Gives Web Developer More Control**

2.2.2 Front-End Tools

✚ CSS:

➤ Introduction to CSS:

- **CSS (Cascading Style Sheets)** is a language for creating style sheets that define how a web page or web application looks visually.
- The front-end of a web programme can be made rich and dynamic by combining **CSS** with HTML and JavaScript.
- **CSS** offers a collection of guidelines that can be used to alter the color, font, layout, and other stylistic components of HTML elements.
- **CSS** is made to be extremely versatile and customizable.



➤ Features of CSS:

1. Selectors:

To target particular HTML components and apply styles to them, **CSS** makes use of selectors.

2. Properties:

A variety of **CSS** attributes, including color, typeface, size, padding, margin, and others, can be used to modify how HTML components look.

3. Values:

Color names, hex symbols, numeric figures, and more can all be used as variables for **CSS** attributes.

4. Layout:

To manage the positioning and arrangement of HTML components, **CSS** offers layout features like positioning, floats, and flexbox.

5. Responsive Design:

In order to build flexible designs that change according to various screen widths and devices, **CSS** contains features like media queries and viewport units.

🚦 JavaScript:

➤ Introduction to JavaScript:

- It is used to build dynamic and engaging user interfaces. **JavaScript** is a high-level computer language that is mainly used for front-end web development.
- Brendan Eich created **JavaScript** for the first time at Netscape in 1995.
- **JavaScript** is an interpreted language, which means that there is no need for compilation because the code is run by the browser as it is met.
- **JavaScript** is used to add utility and engagement to web sites, including form validation, dynamic content, and engaging elements like sliders and animations.
- Back-end programming, including server-side coding with Node.js, can also be done in **JavaScript**.



➤ **Features of JavaScript:**

1. Variable and Datatypes:

Numerous datatypes, such as integers, strings, Booleans, objects, and groups, are supported by **JavaScript**.

2. Operators:

Numerous operators are available in **JavaScript**, such as math, comparison, and logical operators.

3. Control Structures:

To manage the processing of programs, **JavaScript** has control structures like loops, switch statements, and if/else statements.

4. Functions:

JavaScript gives programmers the ability to create repeatable methods that can be used throughout the code.

5. DOM Manipulation:

JavaScript gives developers access to a web page's Document Object Model (DOM), enabling them to change the page's layout and content in reaction to user input.

6. Events:

The various event handlers offered by **JavaScript** enable developers to react to user activities like clicks, scrolls, and form entries.

HTML

➤ Introduction to HTML:

- Web sites and web apps are made using the markup language **HTML (Hypertext Markup Language)**.
- **HTML** offers a method to organise and organise material, including text, images, and multimedia, on the web.
- In order to create a dynamic and engaging user experience, **HTML** must be used in conjunction with other web tools like CSS and JavaScript.
- The layout and substance of online sites are defined by **HTML** using tags and attributes.
- **HTML** tags are used to designate up website components, while attributes give the parts more details.

HTML



➤ **Features of HTML:**

1. Elements:

HTML offers a broad variety of components that can be used to organise and arrange content on a web page, including headers, paragraphs, lists, pictures, and tables.

2. Attributes:

HTML components are capable of having attributes that reveal more details about them, such as the origin of a picture or the destination of a link.

3. Forms:

Users can input data and engage with the website by using interactive forms made with **HTML**.

4. Semantic markups:

With the introduction of semantic components like article, section, and nav, the material of a web website can now have more significance and structure.

5. Accessibility:

A variety of accessibility features in **HTML**, like alt text for pictures and ARIA properties for interactive components, increase the usability of online content for people with impairments.

3. System Study

3.1 Existing System and its Drawbacks:

- Web apps can be used for a variety of marketing initiatives, enabling companies to connect and interact with clients online.
- Web apps can be used for a wide range of marketing initiatives, giving businesses the opportunity to connect with and interact with consumers online while also boosting sales and profits. Businesses can increase their online visibility and successfully pinpoint their target population by utilising the power of web apps.

❖ Disadvantages of System:

- An existing web application's bad user experience (UX) could be caused by difficult navigation, a cluttered layout, slow loading times, and a lack of responsiveness, which would irritate and displease users.
- The performance, stability, and dependability of an existing web app may be disrupted by technical problems, bugs, mistakes, and crashes that cause downtime, data loss, and business interruptions.
- Users' confidence in online applications may be harmed by successful attacks, possibly costing businesses customers and income.
- Data loss and corruption may result from breaches that jeopardise the database security of an online service.
- If an online programme has many lines of code and has been in use for a long time, fixing the security flaws may take a long time and be expensive.

3.2 Proposed System:

The recommended system offers a user-friendly interface, extensive functionality, strong data protection, scalability, proactive support, and cost-efficient licencing compliance for the online application for the solar company. It intends to fix current issues, improve user experience, and provide the solar company the tools it needs to manage projects and operations effectively.

3.3 Scope of Proposed System:

The proposed system seeks to deliver a feature-rich, user-friendly online application for solar companies that includes an intuitive user interface (UI), extensive functionality, strong data protection, scalability, pro-active support, and licencing compliance.

- A safer online programme would be less susceptible to theft and data leaks.
- A feature-rich, user-friendly online application for solar companies.
- An intuitive user interface for quick and easy navigation.
- Comprehensive functionality adapted to the requirements of solar firms.
- Proactive guidance and upkeep for optimal performance.
- Easy to operate and have a good user and operator.
- It satisfies the user requirement.
- Strong data security methods to safeguard sensitive data.
- Flexible and scalable design for personalization and expansion.
- Delivered on schedule within the budget.

3.4 Aim and Objectives of Proposed System:

Project Modules:

-  Admin
-  User

Modules Vice Objectives:

❖ Admin:

- Admin manage user in system and maintain their information.
- Admin can manage his profile and able to change the password.
- Admin can manage payroll system and generate monthly salary slip.
- Admin can also generate offer/coupons for new user.
- Admin can review and manage all user reports.
- Admin can add category and sub-category for the products.

❖ User:

- User can register/login in web application themselves.
- User can view product according to the categories they prefer.
- User can manage his profile and can also change the password.
- User can contact the admin online on web application.
- User can add products to cart.
- User can purchase the selected product from the web application.

3.5 Feasibility Study:

- The modern era constantly introduces new information and communication tools. Even in terms of promotion, they are developing. E-commerce's significance in the current industry is still expanding. It is put into place to help the marketing process and boost its effectiveness and quality. E-commerce is used to supplement conventional marketing strategies or is progressively taking their place. Market purchase possibilities are evolving and becoming more contemporary.

- **Economic Feasibility:**

In developing countries, however, a complete web implementation of e-commerce is eventually possible and will have more advantages for both the customer and the seller. It was created with cost-effective design and development, and income sources should be varied for security.

- **Operational Feasibility:**

Operational viability is a metric used to assess how effectively a planned system addresses the issue, seizes opportunities found during scope definition, and complies with requirements found during the requirements analysis stage of system development.

- **Technical Feasibility:**

The specifics of how you plan to provide the goods or services to consumers are evaluated by a technical feasibility study. It concerns the supplies, labour, essential transit, the location of your company, and the technology required to make all of this happen. The logistics or operational plan for how your company will create, store, transport, and monitor its goods or services is known as the "production plan."

4. System Analysis

4.1 Requirement Gathering and Analysis

- Identifying stakeholders, eliciting requirements, documenting functional and non-functional requirements, analysing for accuracy and feasibility, prioritising requirements, validating with stakeholders, and updating documentation as necessary are all steps in the requirement gathering and analysis phase of developing a web application for Prayosha.
- Very often this thread of questions continues right till the end, forcing last minutes additions, changes, and modifications that slowdowns the development process, affects the quality and impacts the project delivery dates too.
- It involves identifying stakeholders, conducting interviews, developing use cases, documenting requirements, prioritizing them, validating them with the stakeholders, and reviewing them with development team. This process helps ensure the web application meets stakeholder needs and objectives, and is designed to function effectively and efficiently within the project timeline and budget.

❖ Understanding the process:

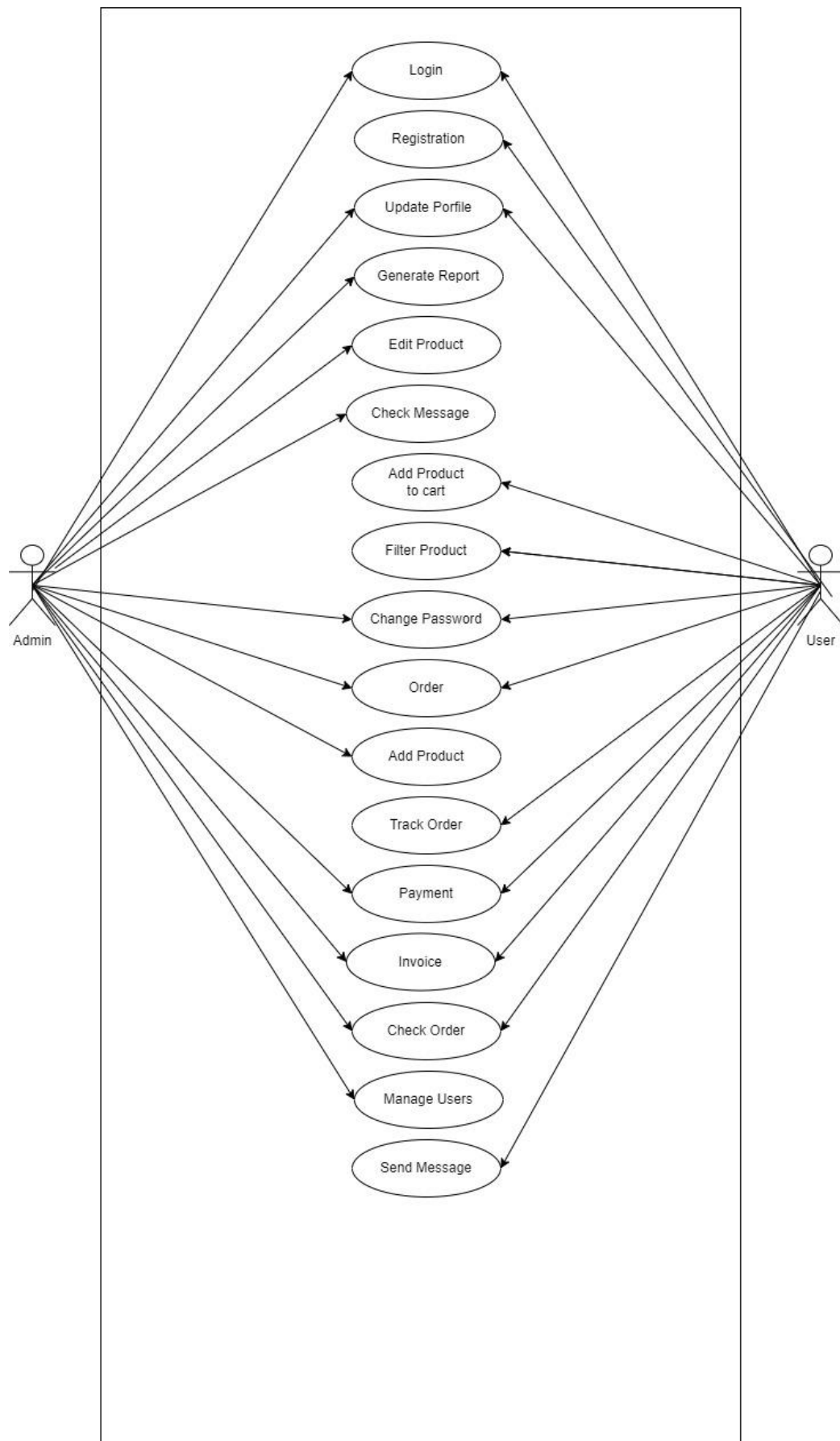
- Why do you need it?
- What problems will it solve?
- What do client need to know after they've selected the product?
- What do staff need to differently?
- What would happen if client does not checkout?
- How will the client know if the order is placed?

❖ Requirement Analysis:

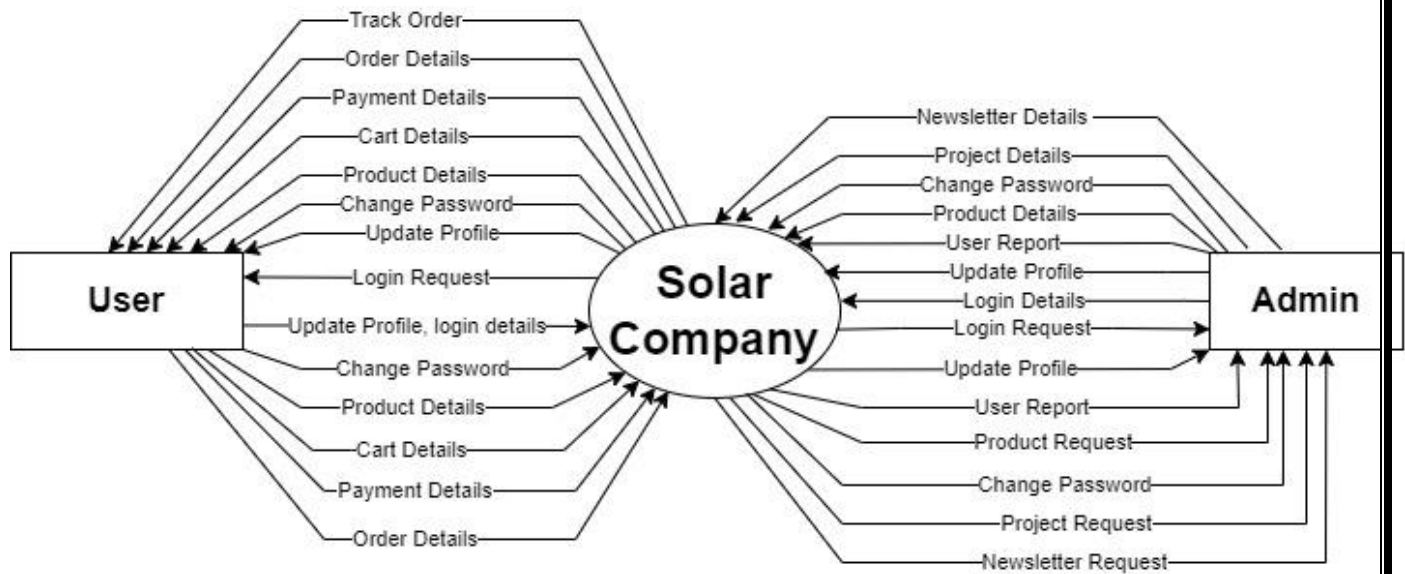
We analysis our gathered information and we have decided our system should have following functionalities.

- The system should have a register option.
- The user should be able to view details about the business, its goods, and services.
- The system must offer protection to data.
- The system must offer a secure registration option.
- Users ought to be able to purchase the goods they want.
- The system ought to accept online payments and produce bills with distinctive IDs.
- The user should be able to return the merchandise within a certain time frame if it is incompatible.
- The ability for users to submit and read evaluations and ratings.
- The administration must be able to control the staff.

4.2 Use Case Diagram

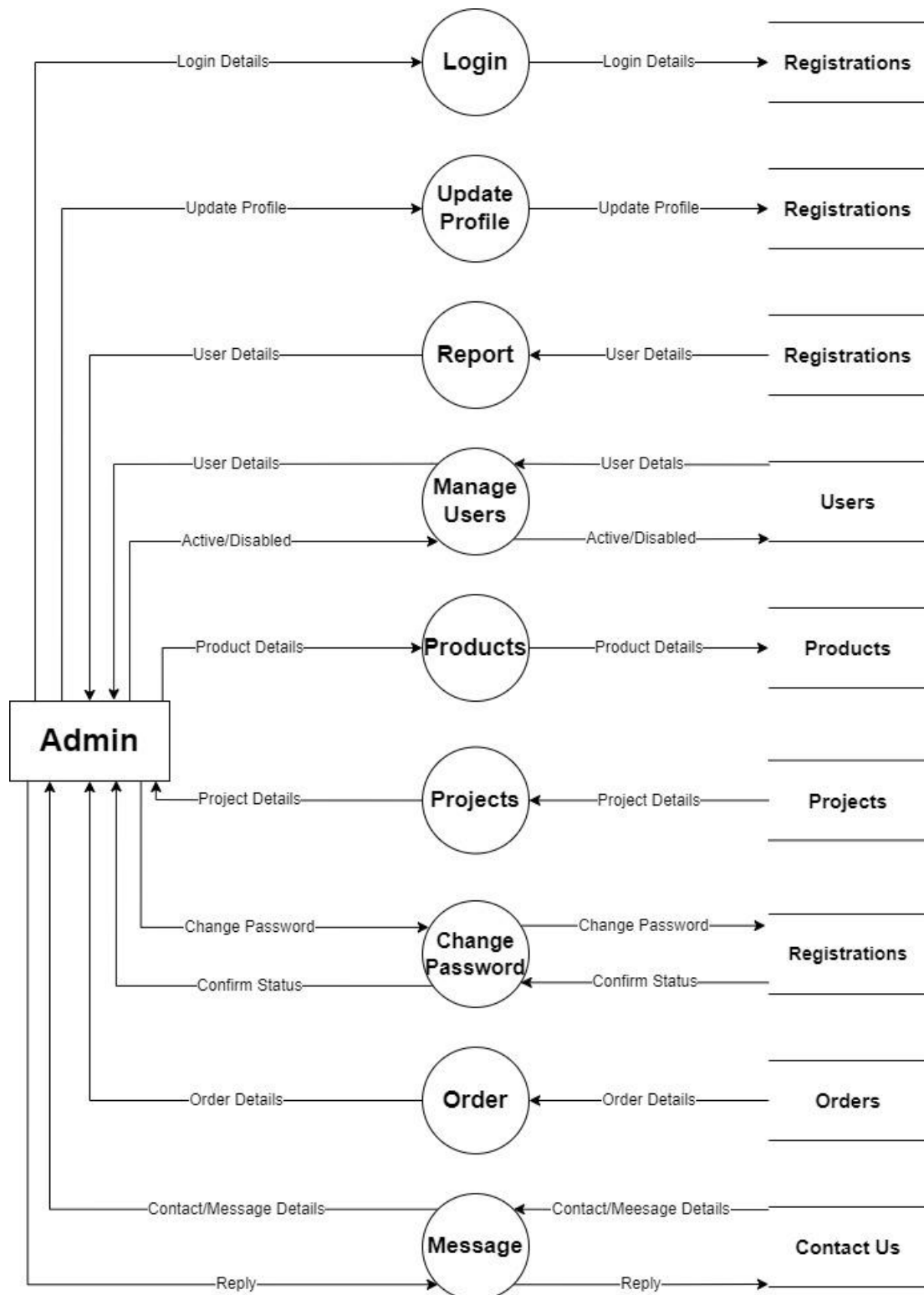


4.3 Data Flow Diagram

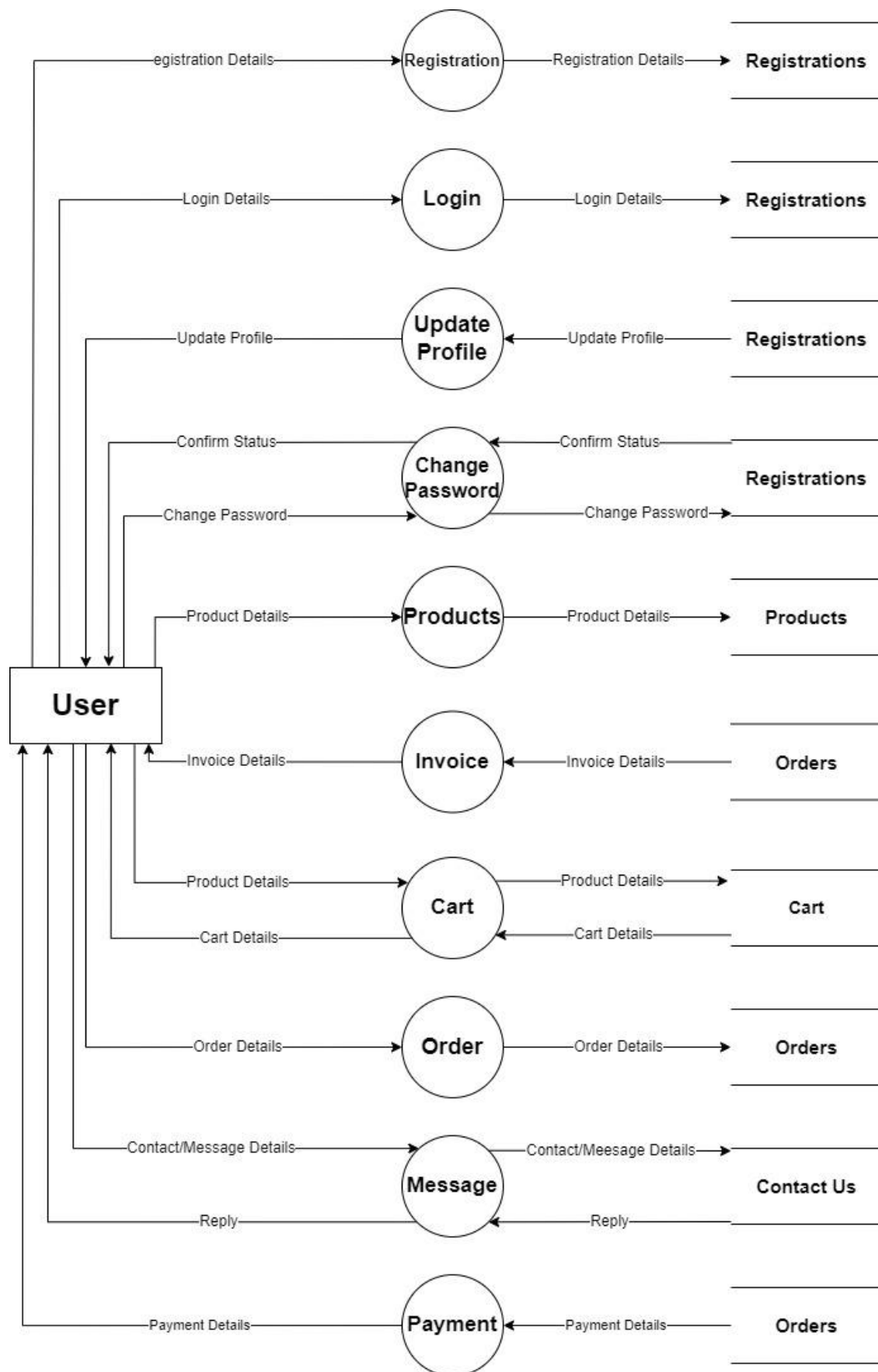


[Context Level]

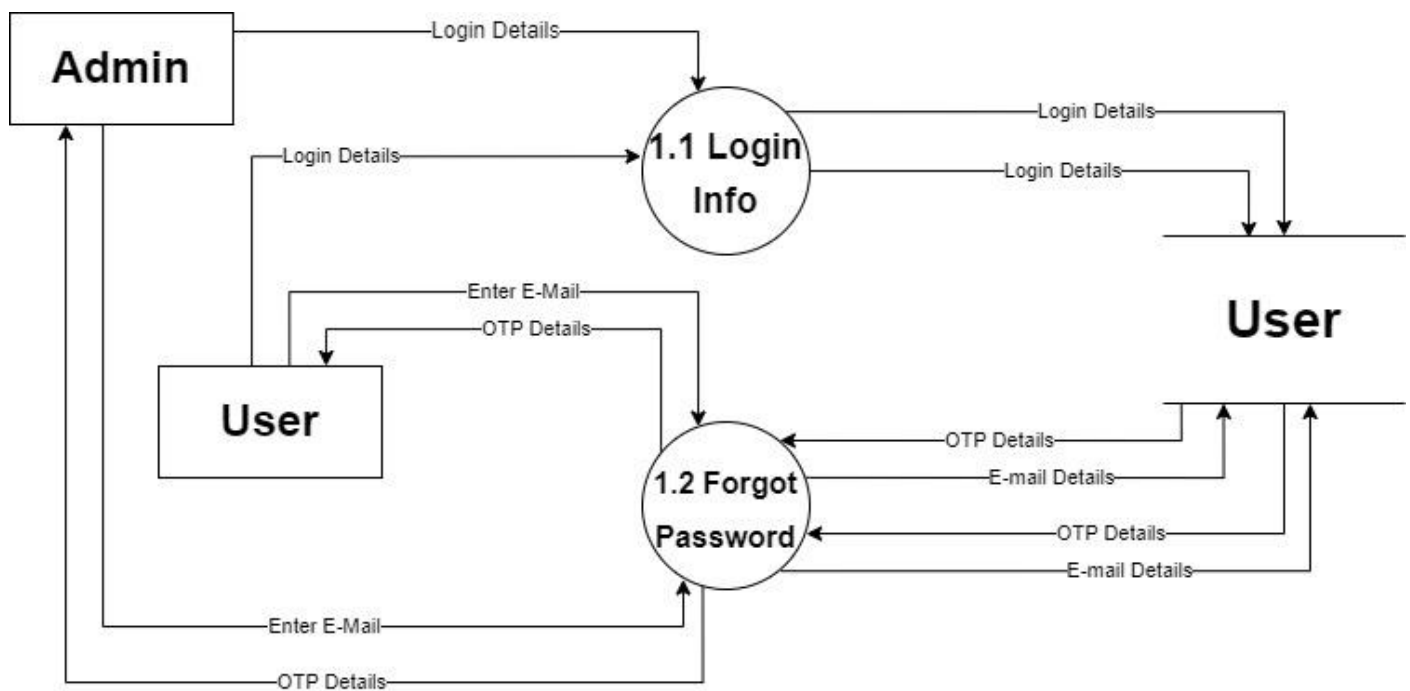
[First level of Admin]



[First level of User]



[Second Level DFD]



5. System Design

Name:	Login Detail
Alias:	NULL
Where used?/ How used?	To login For User and Admin (Input/Output)
Content Description:	Email, Password
Supplementary Information:	Email or Password must be Unique. Login Process takes detail and verify in database.

Name:	Update Profile
Alias:	NULL
Where used?/ How used?	To update data for User and Admin (Input)
Content Description:	Name, MobileNo., Email, Address, Pincode
Supplementary Information:	Email or MobileNo. must be Unique. Update Profile Process takes detail and updates database.

Name:	User Detail
Alias:	NULL
Where used?/ How used?	To show User Detail in Admin (Output)
Content Description:	Name, MobileNo., Email, Address, Pincode
Supplementary Information:	Admin can see user data.

Name:	Product Detail
Alias:	NULL
Where used?/ How used?	Product (Input/Output)
Content Description:	Product id, Product name
Supplementary Information:	Product id must be Unique. Admin can add Product.

Name:	Change Password
Alias:	NULL
Where used?/ How used?	Create New Password (Input)
Content Description:	Password
Supplementary Information:	Enter old and new password. If old password is correct than the user can create new password or else it won't allow.

Name:	Order Details
Alias:	NULL
Where used?/ How used?	Place Order or Order Status (Input/Output)
Content Description:	Product id, name, email, mobilenos., address, pincode, payment id, amount, order id, order date
Supplementary Information:	Order id must be unique. User can place the order. Admin can see order status and details.

Name:	Registration Detail
Alias:	NULL
Where used?/ How used?	Registration For New User. (Input/Output)
Content Description:	Name, email, address, pincode, password, User_id
Supplementary Information:	User_id must be unique. Only users can register themselves.

Name:	Cart Detail
Alias:	NULL
Where used?/ How used?	Product can be add to cart. (Input/Output)
Content Description:	Product id
Supplementary Information:	User can add product to cart.

Name:	Payment Detail
Alias:	NULL
Where used?/ How used?	Payment for Products (Input)
Content Description:	User id, product id, payment id
Supplementary Information:	Payment id is always unique. User can pay online or cash on delivery.

Name:	Invoice Detail
Alias:	NULL
Where used?/ How used?	Generate Invoice on Purchase (Input/Output)
Content Description:	User id, product id, payment id, date
Supplementary Information:	User and Admin can see invoice. Admin can generate invoice for the order.

Databases: project

Sr. No	Name	No. of Columns
1	regdb	7
2	user	4
3	project	6
4	product	9
5	otp	6
6	newsltr	4
7	contact	8

5.1 Data Dictionary:

A data dictionary is a structured document or database that defines and describes the data elements, attributes, entities, and relationships in a system or database. It provides a detailed description of data used in system, including the meaning, usage, format, data type, and allowed values of each data element.

1. regdb: It stores the user login credentials

Sr. No	Name	Type	Attributes	Null
1	userid	int(11)	PRIMARY KEY	no
2	username	varchar(50)		no
3	useremail	varchar(50)	UNIQUE KEY	no
4	password	varchar(100)		no
5	time	timestamp		no
6	ip	varchar(30)		no
7	stat	int(11)		no

2. user: It stores the admin login credentials

Sr. No	Name	Type	Attributes	Null
1	user_id	int(11)	PRIMARY KEY	no
2	name	varchar(30)		no
3	username	varchar(30)		no
4	password	text		no

3. project: It stores the data of project and image

Sr. No	Name	Type	Attributes	Null
1	proid	int(11)	PRIMARY KEY	no
2	protitle	varchar(50)		no
3	proloc	varchar(50)		no
4	imgpath	varchar(50)		no
5	time	timestamp		no
6	stat	int(11)		no

4. product: It stores data of product and images

Sr. No	Name	Type	Attributes	Null
1	srno	int(11)	PRIMARY KEY	no
2	pid	varchar(100)		no
3	pname	varchar(200)		no
4	pprice	int(255)		no
5	pdesc	varchar(255)		no
6	imgpath	varchar(200)		no
7	rating	float		no
8	time	timestamp		no
9	stat	int(11)		no

5. otp: It stores the token generated for forgotten password

Sr. No	Name	Type	Attributes	Null
1	id	int(11)	PRIMARY KEY	no
2	uid	int(11)		no
3	useremail	varchar(50)		no
4	code	int(20)		no
5	stat	int(11)		no
6	time	timestamp		no

6. newsltr: It stores the email address that has accessed newsletters

Sr. No	Name	Type	Attributes	Null
1	srno	int(30)	PRIMARY KEY	no
2	useremail	varchar(70)		no
3	time	timestamp		no
4	ip	varchar(30)		no

7. contact: It stores the message or feedbacks sent by the user

Sr. No	Name	Type	Attributes	Null
1	srno	int(11)	PRIMARY KEY	no
2	userid	int(30)		no
3	username	varchar(50)		no
4	useremail	varchar(70)		no
5	subject	varchar(100)		no
6	message	varchar(500)		no
7	time	timestamp		no
8	ip	varchar(50)		no


5.2 Screen Layouts:

5.2.1 Input Design

[Admin Side Input Design]

➤ Admin side Login

Admin Login



Login

➤ Admin side product management

Prayosha - Admin Panel

Admin

- Home
- Users
- Disabled Users
- Products
- Deleted Products
- Projects
- Deleted Projects
- Contact Us
- Newsletter
- Forgot Password

Products

Show 10 entries
Search:

Sr No.	Product ID	Product Name	Product Price	Product Description	Image Path	Ratings	Time	Status	Options
1	a1	Solar Panel	18000	330KW Polycrystal	prdct_1.jpg	5	2023-04-09 07:41:23	1	Edit Delete
2	a2	Solar Panel	50000	Rayzon 350KW Monoperc	prdct_2.jpg	4.5	2023-04-09 07:55:40	1	Edit Delete

Showing 1 to 2 of 2 entries

Previous
1
Next

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➤ Admin side add project

Prayosha - Admin Panel Admin

Project Add Project

Show entries Search:

Sr No.	Project Title	Product Location	Image Path	Time	Status	Options
1	RADHNESADA SOLAR PARK	BANASKANTHA, GJ	pj_1.jpg	2023-04-09 07:42:28	1	Edit Delete
2	HARSAD SOLAR PARK	BANASKANTHA, GJ	pj_2.jpg	2023-04-04 18:05:11	1	Edit Delete
3	GUJARAT SOLAR PARK	CHARANKA, GJ	pj_3.jpg	2023-04-04 18:05:12	1	Edit Delete
4	AZURE SOLAR POWER PARK	KHADODA, GJ	pj_4.jpg	2023-04-04 18:06:28	1	Edit Delete
5	AATASH SOLAR POWER PLANT	SARDI SARKHANDI, GJ	pj_5.jpg	2023-04-04 17:46:55	1	Edit Delete
6	DHOLERA SOLAR PARK PH-I	DHOLERA, GJ	pj_6.jpg	2023-04-04 17:46:58	1	Edit Delete
7	LIVE LIFE PROJECT	AHMEDABAD, GJ	pj_7.jpg	2023-04-04 17:49:20	1	Edit Delete

➤ Admin side edit user

Prayosha - Admin Panel Admin

Registered User

Show entries Search:

User ID	Username	Useremail	Password	Time	IP Address	Status	Options
1	atmik	atmik@gmail.com	0cc175b9c0f1b6a831c399e269772661	2023-04-05 09:33:44	::1	1	Edit Disable
3	Akshar	akshar@gmail.com	0cc175b9c0f1b6a831c399e269772661	2023-04-02 05:39:40	::1	1	Edit Disable
6	Prapti	prapti@gmail.com	0cc175b9c0f1b6a831c399e269772661	2023-04-08 04:10:24	::1	1	Edit Disable
7	Prapi	p@gmail.com	83878c91171338902e0fe0fb97a8c47a	2023-04-21	::1	1	Edit Disable

[User Side Input Design]

➤ User Side Registration

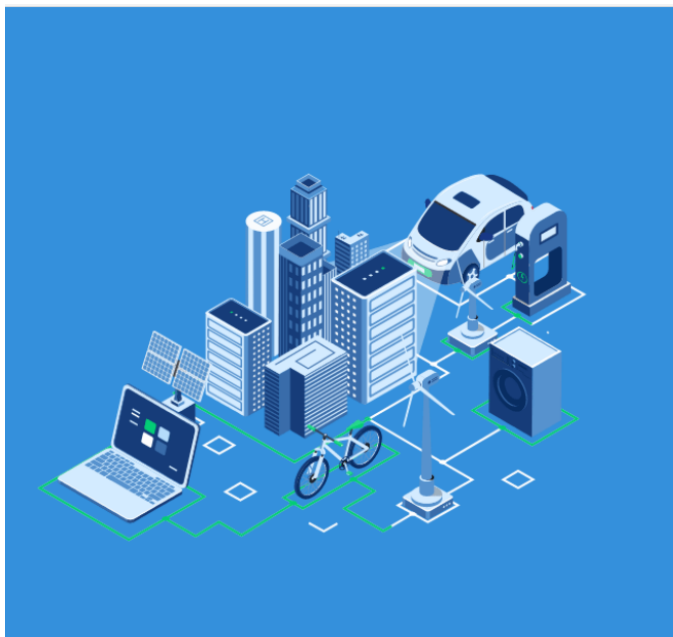


Create Account

☐ Show Password

Already have an account? [Login Now.](#)

➤ User Side Login



Login

☐ Show Password[Forget Password](#)[Create Account](#)

➤ User side Calculator

The screenshot shows a web browser at the URL `localhost/Prayosha-Solar-master/cart.php`. The page features the Prayosha Solar logo and a navigation menu with links: Home, About Us, Services, Projects, Team, Products, and Contact Us. A 'Products' button is visible in the top right. The main content area is titled 'Calculator' and contains three dropdown menus: 'Gujarat', 'Residential', and 'Unit'. To the right of these is an empty input field. Below the dropdowns is a green 'CALCULATE' button. Underneath the button, there are five labels: 'Electricity Bill', 'Needed KW', 'Cost', 'Area (SQ F)', and 'Generation Annually'. A blue horizontal bar is at the bottom of the page.

➤ User side contact panel

The screenshot shows a web browser at the URL `localhost/Prayosha-Solar-master/contact_us.php`. The page is divided into two main sections. The left section, titled 'Fill Free To Contact Us', includes a sub-header 'Use the form below to get in contact with our services.' and a form with three input fields: 'Prapi' (containing 'prapi@gmail.com'), 'Subject*', and 'Message*'. A blue 'Send' button is at the bottom of the form. The right section, titled 'Contact Info', has a sub-header 'We're here to lend a hand.' and displays the phone number '(+91) 987 918 2811', the email 'sales.prayoshacorporation@gmail.com', and the address 'Katargam, Surat GJ, 395004'. At the bottom of this section are social media icons for Facebook, Twitter, YouTube, LinkedIn, and Instagram.

5.2.2 Output Design

[Admin Side Output Design]

➤ Admin side user reports

Prayosha - Admin Panel								Admin
Registered User								
Show 10 entries		Search:						
User ID	Username	Useremail	Password	Time	IP Address	Status	Options	
1	atmik	atmik@gmail.com	0cc175b9c0f1b6a831c399e269772661	2023-04-05 09:33:44	::1	1	Edit	Disable
3	Akshar	akshar@gmail.com	0cc175b9c0f1b6a831c399e269772661	2023-04-02 05:39:40	::1	1	Edit	Disable
6	Prapti	prapti@gmail.com	0cc175b9c0f1b6a831c399e269772661	2023-04-08 04:10:24	::1	1	Edit	Disable
7	Prapi	p@gmail.com	83878c91171338902e0fe0fb97a8c47a	2023-04-21	::1	1	Edit	Disable

➤ Admin side disabled users

Prayosha - Admin Panel								Admin
Disabled User								
Show 10 entries		Search:						
User ID	Username	Useremail	Password	Time	IP Address	Status	Options	
8	Prapi	prapti110103@gmail.com	0f45566dc7663717499b08f4f798d098	2023-04-27 19:42:19	::1	0	Edit	
Showing 1 to 1 of 1 entries						Previous 1 Next		
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➤ Admin side Contact details

Prayosha - Admin Panel Admin

Home Users Disabled Users Products Deleted Products Projects Deleted Projects Contact Us Newsletter Forgot Password

Contact Us

Show 10 entries Search:

Sr No.	User ID	Username	Useremail	Subject	Message	Time	IP Address	Options
1	2	Akshar	akshar@gmail.com	tial	hello world!	2023-03-20 10:23:57	::1	Reply
2	0	hari	hari@gmail.com	guest	guest	2023-03-20 10:24:44	::1	Reply
3	1	atmik	atmik@gmail.com	aa	a	2023-03-20 10:57:54	::1	Reply
4	1	atmik	atmik@gmail.com	aa	a	2023-03-20 11:00:40	::1	Reply
5	1	atmik	atmik@gmail.com	hey	haha	2023-03-20 11:01:04	::1	Reply

➤ Admin side newsletter

Prayosha - Admin Panel Admin

Home Users Disabled Users Products Deleted Products Projects Deleted Projects Contact Us Newsletter Forgot Password

Newsletter

Show 10 entries Search:

Sr No.	Useremail	Time	IP Address
1	aksaf@gmail.com	2023-03-20 15:38:17	::1
2	aksaf@gmail.com	2023-03-20 15:40:15	::1
3	aksaf@gmail.com	2023-03-20 15:40:44	::1
4	aksaf@gmail.com	2023-03-24 06:57:33	::1
5	aksaf@gmail.com	2023-03-24 07:45:14	::1
6	aksaf@gmail.com	2023-03-24 07:47:02	::1
7	aksaf@gmail.com	2023-03-24 08:33:58	::1
8	aksaf@gmail.com	2023-03-27 08:09:31	::1

➤ Admin Side Forgot Password

Prayosha - Admin Panel
Admin

Home
Users
Disabled Users
Products
Deleted Products
Projects
Deleted Projects
Contact Us
Newsletter
Forgot Password

Forgot Password

Show 10 entries Search:

ID	User ID	Useremail	Code	Status	Time
1	7	atmikviraniother@gmail.com	486791	1	2023-04-21 15:43:00
2	7	atmikviraniother@gmail.com	869439	1	2023-04-21 15:45:28
3	7	atmikviraniother@gmail.com	812033	1	2023-04-21 15:46:09
4	7	atmikviraniother@gmail.com	698828	1	2023-04-21 15:47:09
5	7	atmikviraniother@gmail.com	518739	0	2023-04-21 15:48:00
6	7	atmikviraniother@gmail.com	535222	0	2023-04-21 15:49:49
7	7	atmikviraniother@gmail.com	164123	1	2023-04-21 15:51:32
8	7	atmikviraniother@gmail.com	578828	1	2023-04-21 15:52:02

➤ Admin side dashboard

Prayosha - Admin Panel
Admin

Home
Users
Disabled Users
Products
Deleted Products
Projects
Deleted Projects
Contact Us
Newsletter
Forgot Password

Dashboard / Overview

Total No. of Users
(5)
View Details

Total No. of Products
(2)
View Details

Total No. of Projects
(8)
View Details

Total No. of Contact Queries
(10)
View Details

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6. Software Testing

[Admin]

❖ Login:

Test Field	Test Data	Valid / Invalid	Test Result
Email Id	Empty	Invalid	Please enter Email Id
	shreya.com	Invalid	Please enter valid Email Id
	shreya36@gmail.com	Valid	Inputted text is correct
Password	Empty	Invalid	Please enter password
	shreya36	Valid	Given password is same as exist in database
Login	Empty	Invalid	Please enter Email Id and password
	shreya@gmail.com shreya	Invalid	Email or password incorrect
	shreya36@gmail.com shreya36	Valid	If Email and password is correct than login will be successful

❖ Billing Details:

Test Field	Test Data	Valid / Invalid	Test Result
First Name:	Empty	Invalid	Please enter First Name
	Shreya	Valid	Inputted text is valid
Last Name:	Empty	Invalid	Please enter Last Name
	Patel	Valid	Inputted text is valid
Email Id:	Empty	Invalid	Please enter Email Id
	shreya@gmail.com	Valid	Inputted email id is valid
Phone:	Empty	Invalid	Please enter mobile no.
	90xxxxxxxxx	Valid	Inputted text is correct
Address	Empty	Invalid	Please enter address
	57, Rachna Society, Ring Road, Surat, 391490, Gujarat	Valid	Inputted address is valid

❖ Change Password:

Test Field	Test Data	Valid / Invalid	Test Result
Old Password	Empty	Invalid	Please enter old password
	12345	Invalid	Please enter valid password (if the password does not match in database)
	shreya@369	Valid	Given password is same as in database
New Password	Empty	Invalid	Please enter new password
	Shreya1357	Valid	Inputted text is accepted
Confirm Password	Empty	Invalid	Please enter new password
	1357	Invalid	Password mismatched (if password does not match new password)
	Shreya1357	Valid	Password changed successfully

7. Future Enhancement

Future Enhancements:

- Info on current solar production
- Visualization and design of a virtual solar system
- Integrate energy storage
- Analysis and monitoring of energy use
- Social components and game mechanics
- Troubleshooting and remote supervision
- Individualized energy-saving advice
- Adaptation to smart house technology
- Improved customer service and chatbot help
- Report generation and analytics for solar installers.

8. References and Bibliography

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