

IACSD



**INSTITUTE FOR ADVANCED  
COMPUTING AND SOFTWARE  
DEVELOPMENT AKURDI, PUNE**

Documentation On

**“BLUESKY- (ONLINE SERVICES)”**

PG-DAC SEPT 2022

**Submitted By:**

**Group No. 101**

<b>Roll no.</b>	<b>Name</b>
<b>229216</b>	<b>SUBRAT GUPTA</b>
<b>229228</b>	<b>SWAPNIL VAIDYA</b>

**Mr. Shivprasad Dondiparge**

**Project Guide**

**Mr. Rohit Puranik**

**Center Coordinator**

## Table of Contents

<b>1. Introduction.....</b>	<b>1</b>
Document Purpose	
Problem Statement	
Product Scope	
Aim & Objectives	
<b>2. Overall Description .....</b>	<b>4</b>
Product Perspective	
Benefits of Bluesky	
User and Characteristics	
Operating Environment	
Design and Implementation Constraints	
<b>3. Requirements Specification .....</b>	<b>9</b>
External Interface Requirements	
Non-Functional Requirements	
<b>4. System Diagram.....</b>	<b>10</b>
Activity Diagram	
Data Flow Diagram	
Class Diagram	
Use Case Diagram	
ER Diagram	
<b>5. Table Structure.....</b>	<b>19</b>
Admin	
Booking	
Category	
Customer	
Services	
Payment	
Service Provider	
sp_category	
sp_services	
cat_services	
<b>6. Screenshots.....</b>	<b>22</b>
<b>7. Conclusion.....</b>	<b>32</b>
<b>8. Future Scope.....</b>	<b>33</b>
<b>9. References.....</b>	<b>34</b>

## **ACKNOWLEDGEMENT**

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavour to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, Mr. ShivPrasad for providing me with the right guidance and advice at the crucial juncture and for showing me the right way. I extend my sincere thanks to our respected Centre Coordinator Mr. Rohit Puranik, for allowing us to use the facilities available. Also I am very thankful to our Course Coordinator Mr. Narendra Pawar for guiding me throughout this CDAC journey and I would like to thank all the Lab Faculty Members because this project is the result of their full dedication they gave us during this CDAC journey. Last but not the least, I would like to thank my Family and Friends for the support and encouragement they have given me during the course of our work.

Subrat Gupta (229216)

Swapnil Vaidya (229228)

## **ABSTRACT**

The aim of this project report is to analyze the concept and implementation of online services for mechanics, plumbers, and electricians. This report presents an in-depth analysis of the challenges faced by consumers in availing these services, such as lack of reliability, accessibility, and quality assurance. The report also provides an overview of various online service platforms that have emerged to address these challenges.

The report discusses the features, working model, and benefits of these platforms, such as ease of booking, transparent pricing, and quick response time. It also highlights the strategies adopted by these platforms to ensure customer satisfaction and loyalty, such as providing trained and verified professionals, offering service warranties, and collecting customer feedback.

Furthermore, the report examines the market size, growth potential, and competitive landscape of the online services industry in India. It identifies the key trends and drivers that are fueling the growth of this industry, such as increasing digitalization, rising disposable income, and changing consumer preferences.

In conclusion, this report provides a comprehensive understanding of the online services industry for mechanics, plumbers, and electricians, and its impact on the traditional service providers. It also offers insights into the challenges and opportunities for new entrants in this industry and provides recommendations for their sustainable growth and success.

## **Introduction:**

In today's fast-paced world, people are always on the go and do not have the time to fix their household problems themselves. This has led to a surge in demand for online services like mechanic, plumber, and electrician. These services are now readily available at the click of a button, making it easier for people to get their problems fixed without leaving the comfort of their homes.

The purpose of this project report is to analyze the online services for mechanic plumber, and electrician, their impact on society, and their future potential.

The report will explore the benefits of online services, the challenges faced by service providers, and the role of technology in enhancing the service experience.

The report will begin by providing an overview of the current landscape of online services for mechanic, plumber, and electrician. It will then delve into the advantages of these services, such as convenience, accessibility, and cost-effectiveness.

The report will also discuss the challenges faced by service providers, such as maintaining quality standards, managing customer expectations, and building trust.

The report will then examine the role of technology in enhancing the service experience.

It will look at the use of AI and machine learning algorithms to improve service quality and reduce response times.

Finally, the report will conclude by discussing the future potential of online services for mechanic, plumber, and electrician. It will highlight the increasing demand for these services, driven by the rise of the gig economy and the increasing reliance on technology. The report will also touch upon the challenges and opportunities that lie ahead for service providers in this industry.

Overall, this project report aims to provide a comprehensive analysis of online services for mechanic, plumber, and electrician, and their impact on society. It will offer insights into the benefits, challenges, and potential of these services, providing a valuable resource for service providers, policymakers, and researchers.

**Problem Statement:**

While online services for mechanic, plumber, and electrician offer convenience and accessibility, they also pose some challenges for both service providers and customers. One of the key problems faced by service providers is maintaining quality standards and building trust with customers. Due to the nature of the work, customers may have concerns about the expertise and reliability of service providers they find online, which can impact their willingness to use these services.

Another challenge is managing customer expectations, particularly in terms of response times and availability. Customers expect prompt and reliable service, and service providers may struggle to keep up with demand, leading to delays and customer dissatisfaction.

Additionally, service providers may face challenges related to pricing and competition. With the rise of the gig economy and increasing competition in the service industry, providers may need to lower prices to remain competitive, which can impact their profitability and sustainability.

On the customer side, the main issue is the risk of fraud and scams. Customers may be hesitant to use online services for fear of falling victim to fraudulent or untrustworthy service providers. They may also be concerned about the safety and security of their personal information when using online platforms to find service providers.

Therefore, the problem statement for online services for mechanic, plumber, and electrician is how to maintain quality standards, build trust with customers, manage customer expectations, and mitigate the risk of fraud and scams, while remaining competitive and profitable in a rapidly evolving market.

**Aim:**

The primary aim of this project is to examine the landscape of online services for mechanic, plumber, and electrician and to provide insights into the benefits, challenges, and potential of these services.

**Objectives:**

To achieve the primary aim, the following objectives will be addressed in this project report:

1. To examine the current landscape of online services for mechanic, plumber, and electrician and to identify the major players in the market.
2. To analyze the benefits of online services, including their convenience, accessibility, and cost-effectiveness, and to provide examples of successful implementations of these services.
3. To explore the challenges faced by service providers, including maintaining quality standards, managing customer expectations, building trust, and remaining competitive in a rapidly evolving market.
4. To assess the impact of online services on society, including their potential to create job opportunities, improve the efficiency of service delivery, and reduce environmental impact.
5. To provide recommendations for service providers, policymakers, and researchers to address the challenges and opportunities in the online services industry.
6. To evaluate the future potential of online services for mechanic, plumber, and electrician, including the potential for expansion into new markets and the impact of emerging technologies on the industry.

By achieving these objectives, this project report aims to provide a comprehensive analysis of online services for mechanic, plumber, and electrician, and their impact on society, offering valuable insights and recommendations for service providers, policymakers, and researchers.

### **Overall Description:**

This project report aims to analyze the landscape of online services for mechanic, plumber, and electrician and to provide insights into the benefits, challenges, and potential of these services. The report will examine the current market for these services, the benefits of online services, the challenges faced by service providers, the role of technology in enhancing the service experience, and the impact of these services on society.

The report will begin with an overview of the online services industry for mechanic, plumber, and electrician, including a review of the major players in the market. It will then explore the benefits of online services, including convenience, accessibility, and cost-effectiveness. The report will also examine the challenges faced by service providers, including maintaining quality standards, managing customer expectations, building trust, and remaining competitive in a rapidly evolving market.

The report aims to contribute to the ongoing discussion on the role of technology in the service industry and its potential to transform traditional service delivery models. By providing a

detailed analysis of the benefits and challenges of online services for mechanic, plumber, and electrician, the report aims to inform stakeholders on how to leverage technology to improve service delivery and enhance customer satisfaction.

Furthermore, the report aims to highlight the importance of maintaining quality standards and building trust with customers in the online services industry. It will provide insights into how service providers can establish and maintain quality standards to improve customer satisfaction and retain customer loyalty.

Overall, this project report aims to provide a comprehensive analysis of the online services industry for mechanic, plumber, and electrician, and its potential to transform traditional service delivery models. It will offer valuable insights and recommendations for service providers, policymakers, and researchers on how to navigate the challenges and opportunities presented by this rapidly evolving industry.

**Benefits of BlueSky(online services):**

- BlueSky(online services) solution is fully functional and flexible.
- It is very easy to use.
- This Project helps in back office administration by streamlining and standardizing the procedures.
- It saves a lot of time, money and man-power.
- Eco-friendly: The monitoring of Project and the overall business becomes easy and includes the least of paper work.
- The application acts as an office that is open 24/7.
- It increases the efficiency of the management at offering quality services to the customers.
- It provides custom features development and support with the application.



## **Users And Characteristics :-**

### **Admin :-**

Admin can login to the system

View the list of all Bookings.

Delete Customer record.

Delete Service Provider record.

View History of the Customers

View History of the Service Providers.

Manages all the users.

### **Customer :-**

Customer can register and create his own account

Can See all the services for booking

Customer can Login

Customer can book a service

Customer can update their profile

Customer can view booking details.

### **Service Provider :-**

Service Provider can register

Service Provider can login

Service Provider can accept the booking

Service Provider can reject the booking

Service Provider can update their profile

## **Operating Environment :-**

### **Server Side:**

Processor :- Intel Xeon Processor 3500 series

HDD :- Minimum 500 GB Disk Space

RAM :- Minimum 2 GB

OS : Windows 8.1, Linux 6

Database : MySQL

### **Client Side :**

Processor :- Intel Dual core

HDD :- Minimum 80 GB Disk Space

RAM :- Minimum 1 GB

OS :- Windows 7, Linux

### **Design and Implementation Constraints**

The application will use Ajax, JavaScript, jQuery and css as main web technologies.

HTTP and FTP protocols are used as communication protocols. FTP is used to upload the web application in live domain and the client can access it via HTTP protocol.

Several types of validations make this web application a secured one and SQL Injections can also be prevented.

Since BlueSky(online services) is a web-based application, internet connection must be established.

The BlueSky(online services) will be used on PCs and will function via internet or intranet in any web browser.

## **Requirement Specification:**

### **External Interface Requirements:**

#### **User Interfaces:**

All the users will see the same page when they enter in this website. This page asks the users a username and a password.

After being authenticated by correct username and password, user will be redirect to their corresponding profile where they can do various activities.

The user interface will be simple and consistence, using terminology commonly understood by intended users of the system. The system will have simple interface, consistence with standard interface, to eliminate need for user training of infrequent users.

#### **Hardware Interfaces:**

No extra hardware interfaces are needed.

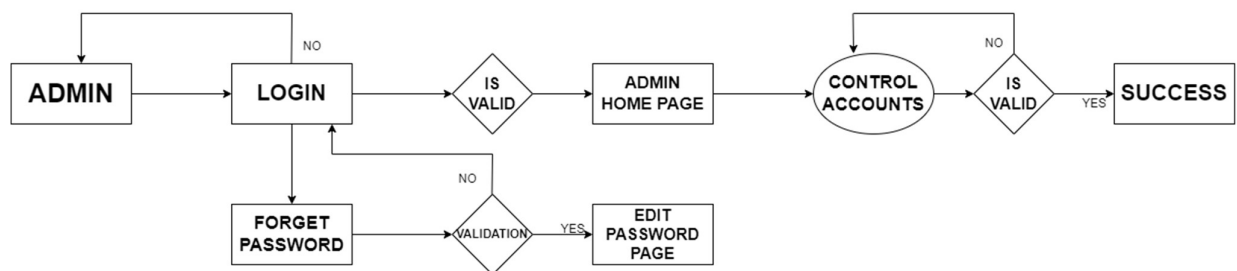
The system will use the standard hardware and data communication resources.

This includes, but not limited to, general network connection at the server/hosting site, network server and network management tools.

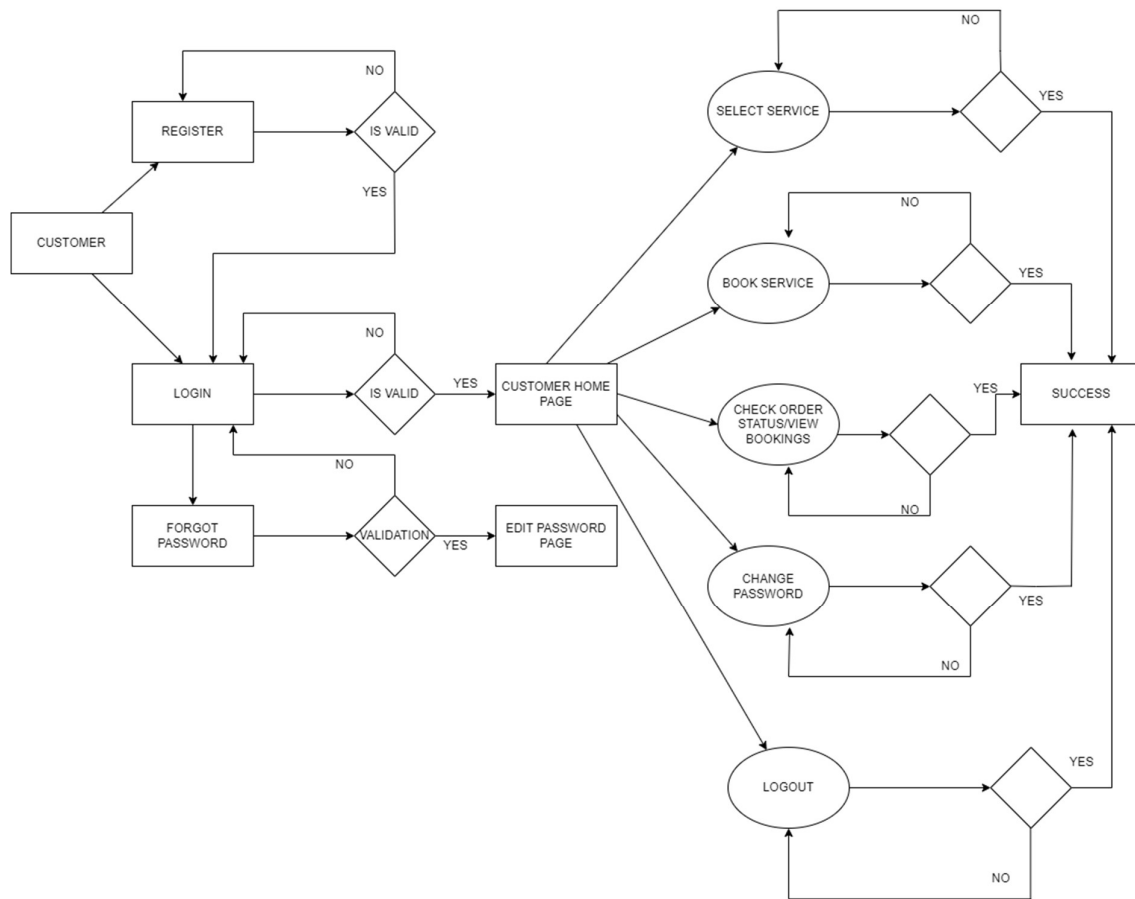
**System Diagram :**

**Activity Diagrams :-**

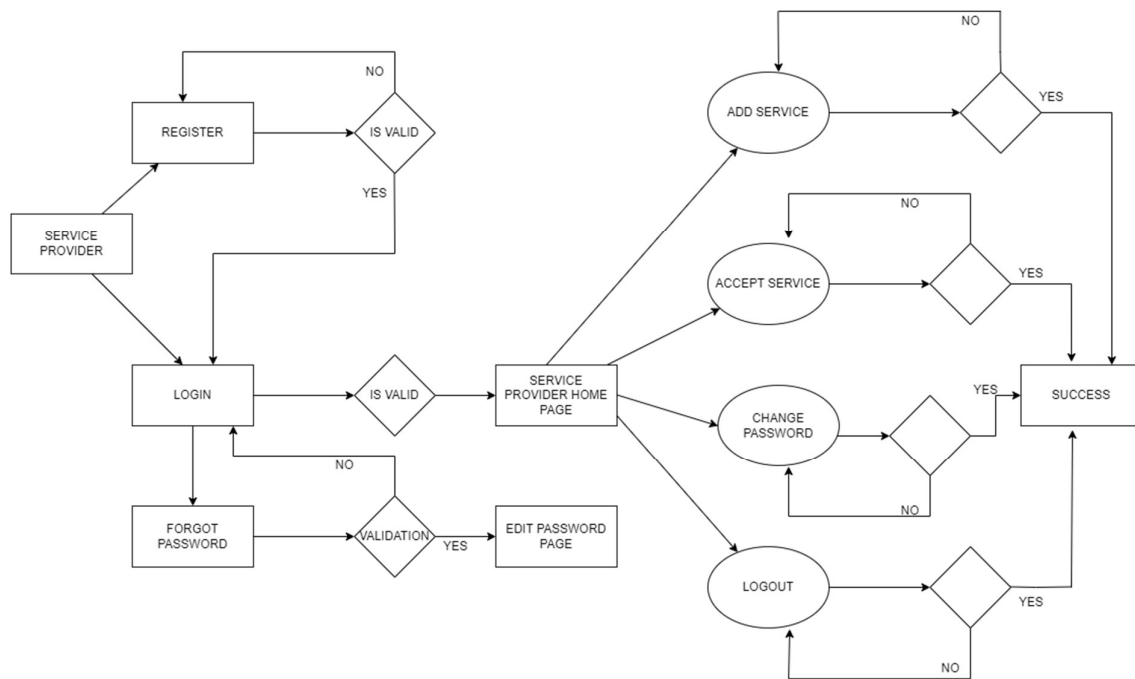
**Admin Activity Diagram:-**



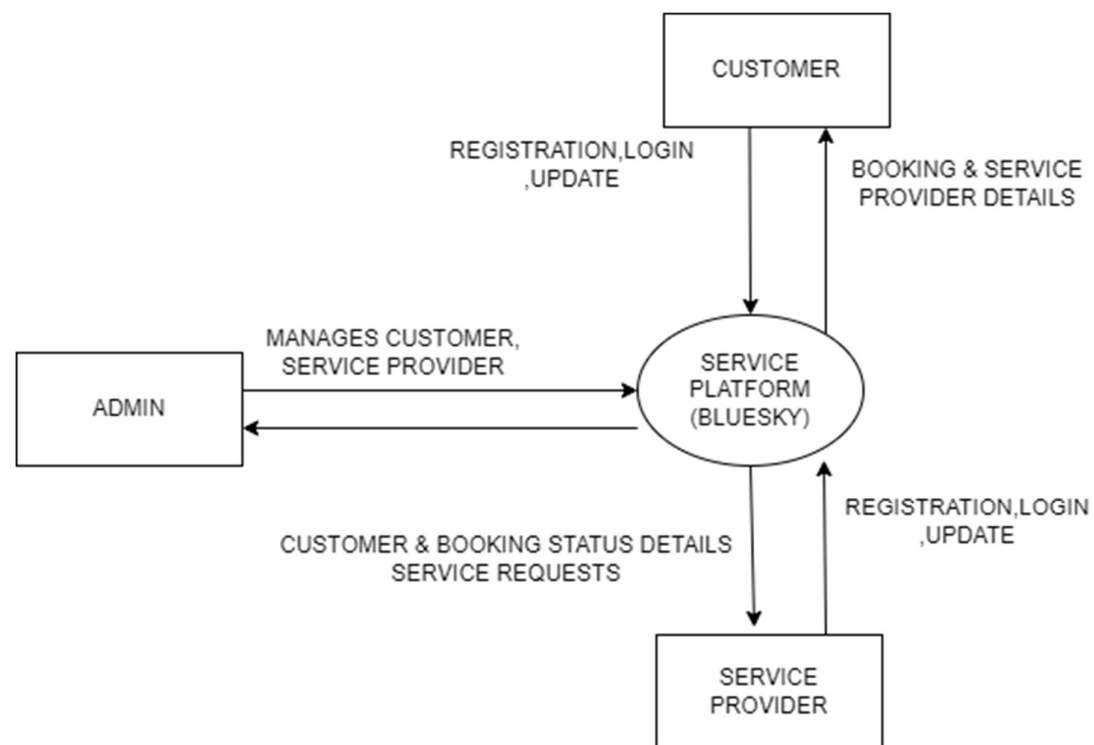
## Customer activity Diagram:



## Service Provider Activity Diagram:-

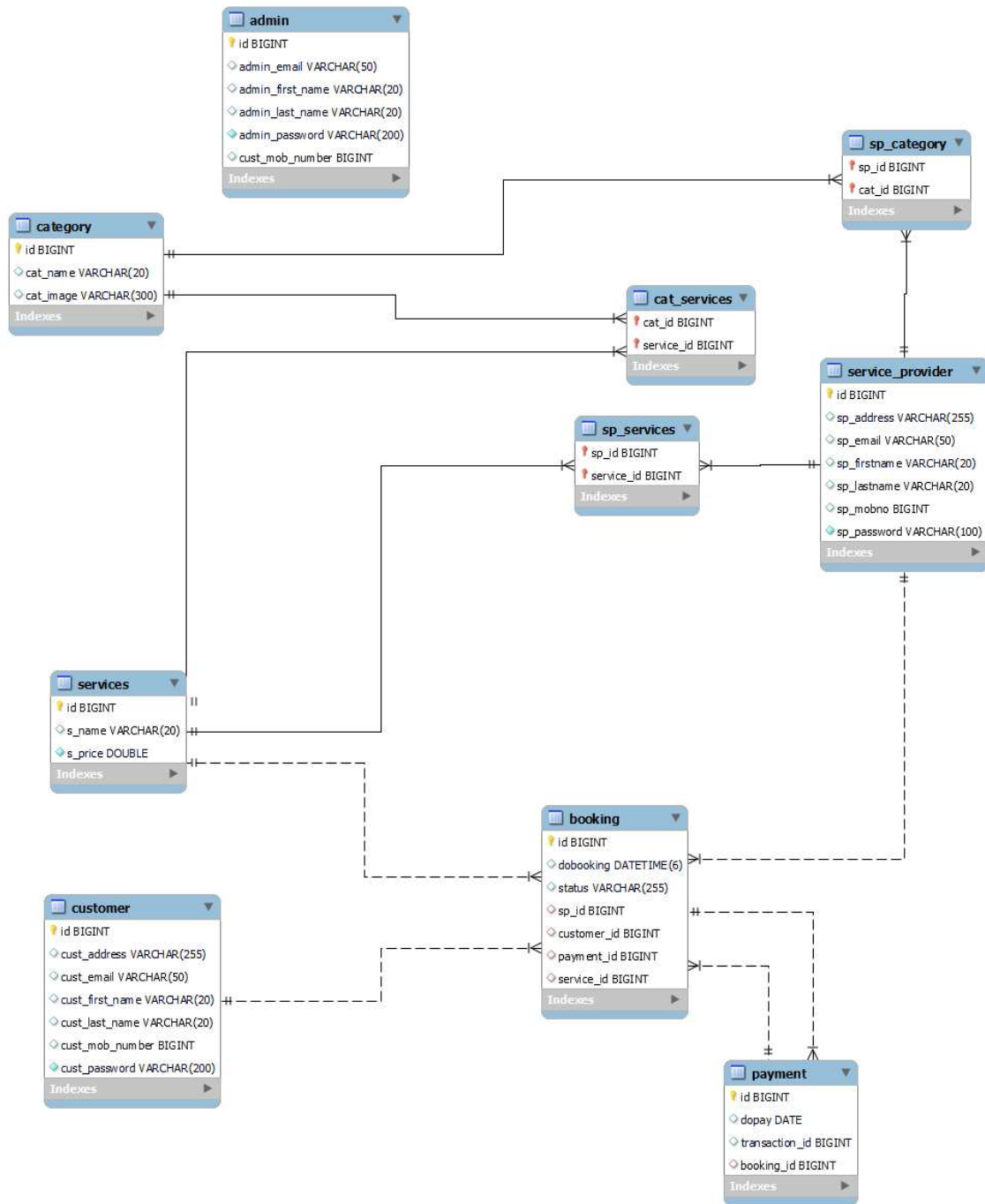


**Data Flow Diagram(Zero Level):**

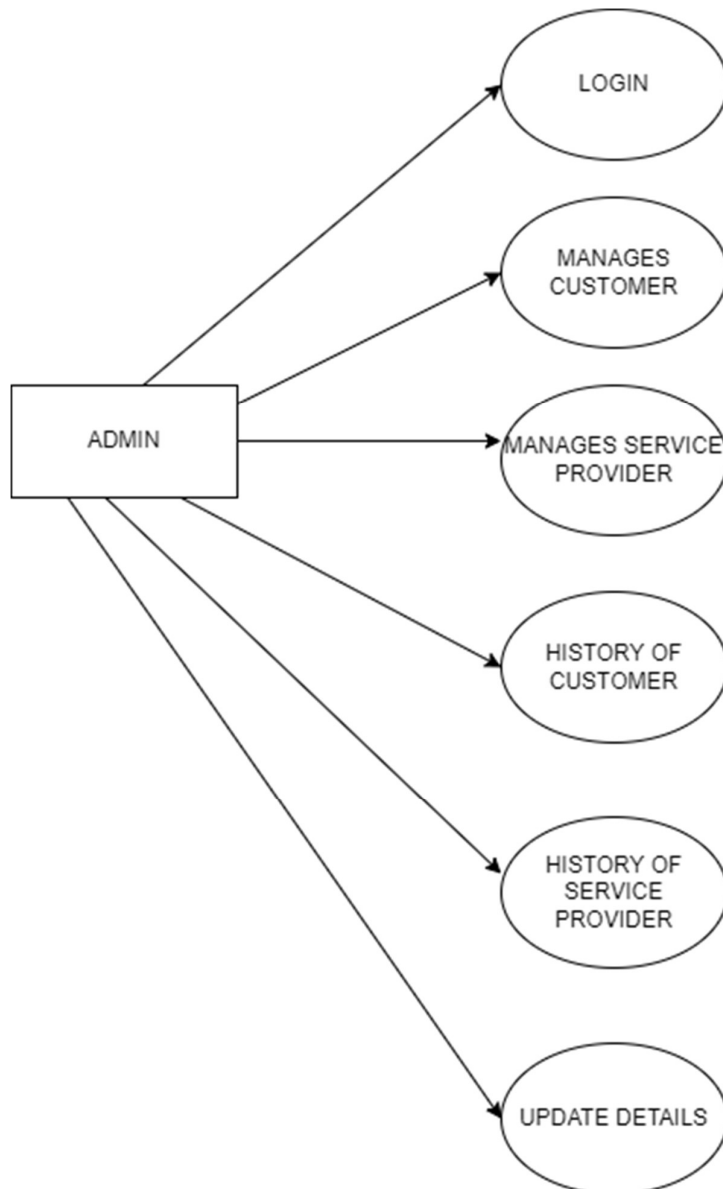




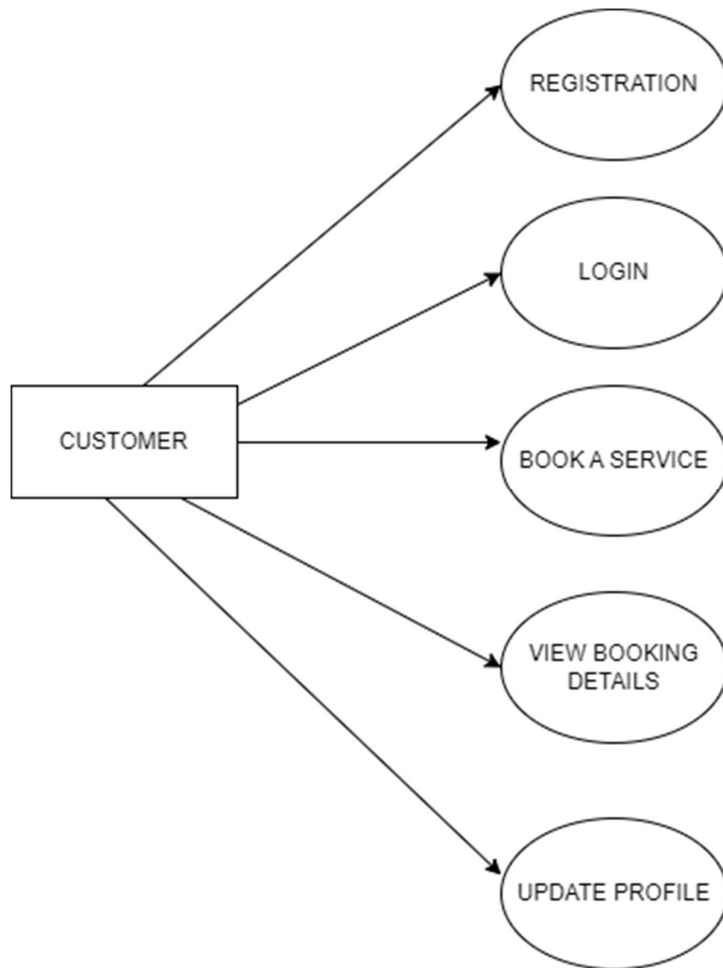
## E-R Diagram:



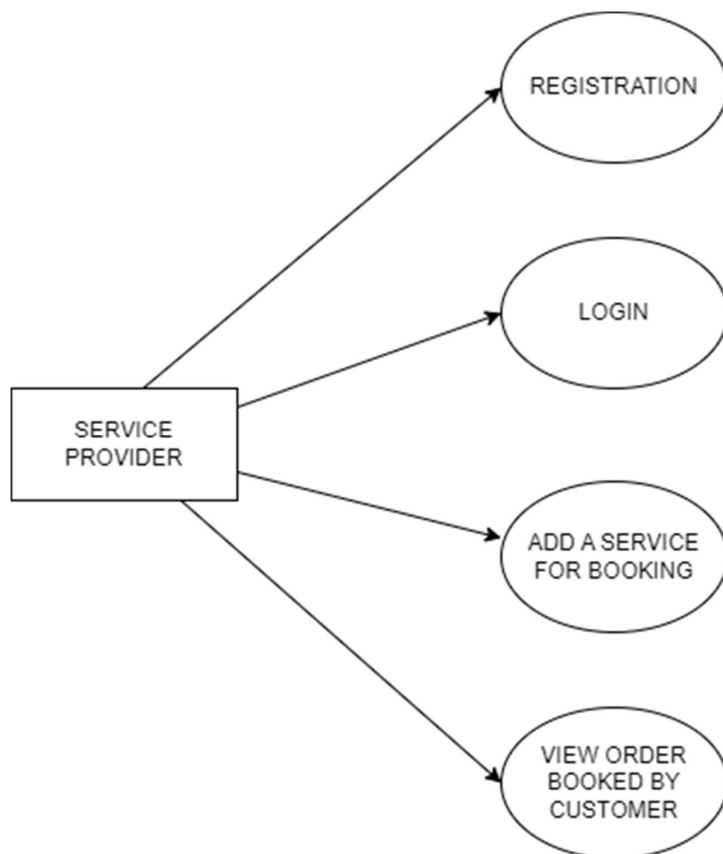
**Admin Use Case Diagram:**



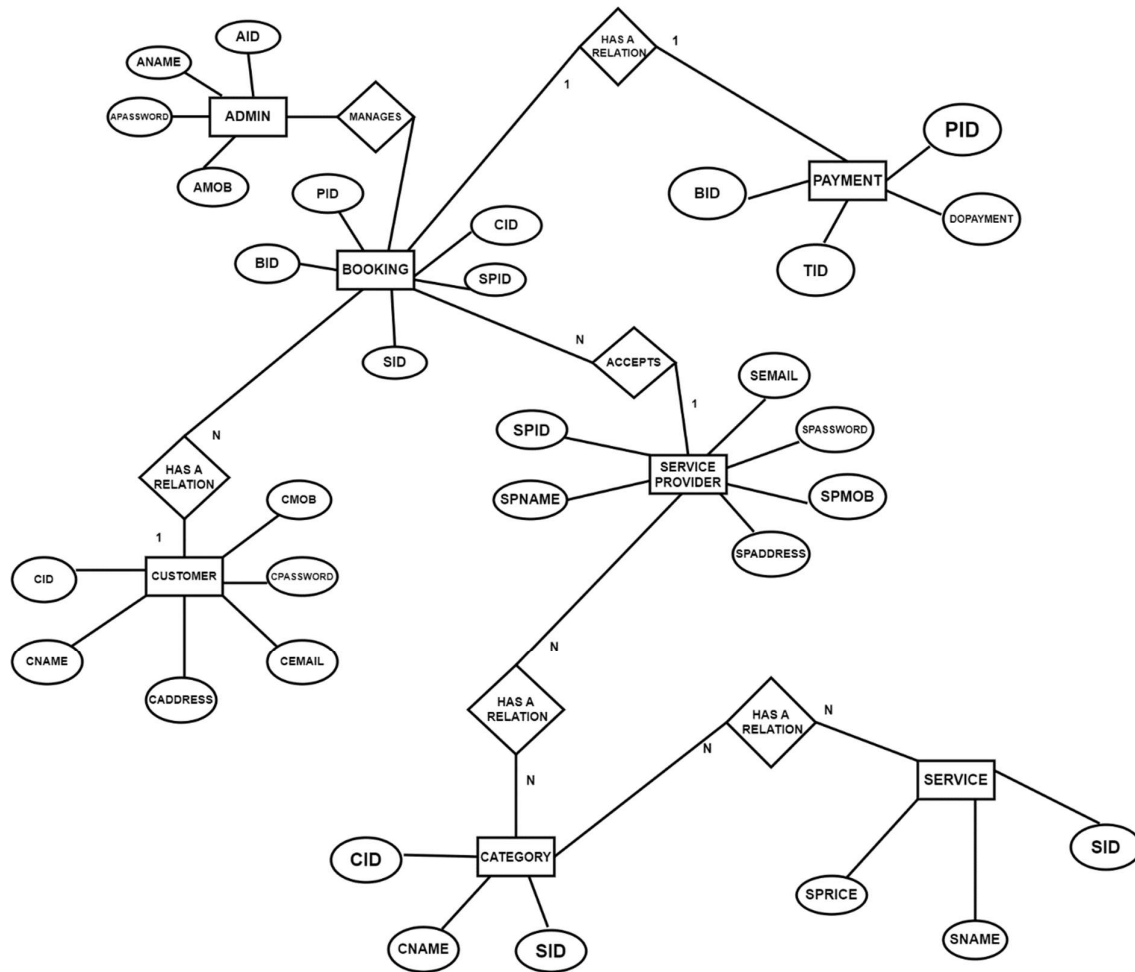
**Customer Use Case Diagram:**



**Service Provider Use Case Diagram:**



## E-R Diagram:



## Table Structure:

### Admin table:

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
admin_email	varchar(50)	YES	UNI	NULL	
admin_first_name	varchar(20)	YES		NULL	
admin_last_name	varchar(20)	YES		NULL	
admin_password	varchar(200)	NO		NULL	
cust_mob_number	bigint	YES	UNI	NULL	

### Booking table:

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
dobooking	datetime(6)	YES		NULL	
status	varchar(255)	YES		NULL	
sp_id	bigint	YES	MUL	NULL	
customer_id	bigint	YES	MUL	NULL	
payment_id	bigint	YES	MUL	NULL	
service_id	bigint	YES	MUL	NULL	

### Category table:

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
cat_name	varchar(20)	YES	UNI	NULL	
cat_image	varchar(300)	YES		NULL	

**Customer table:**

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
cust_address	varchar(255)	YES		NULL	
cust_email	varchar(50)	YES	UNI	NULL	
cust_first_name	varchar(20)	YES		NULL	
cust_last_name	varchar(20)	YES		NULL	
cust_mob_number	bigint	YES	UNI	NULL	
cust_password	varchar(200)	NO		NULL	

**Services table:**

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
s_name	varchar(20)	YES		NULL	
s_price	double	NO		NULL	

**Payment table:**

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
dopay	date	YES		NULL	
transaction_id	bigint	YES		NULL	
booking_id	bigint	YES	MUL	NULL	

**Service Provider table:**

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
sp_address	varchar(255)	YES		NULL	
sp_email	varchar(50)	YES		NULL	
sp_firstname	varchar(20)	YES		NULL	
sp_lastname	varchar(20)	YES		NULL	
sp_mobno	bigint	YES	UNI	NULL	
sp_password	varchar(100)	NO		NULL	

**sp\_category:**

Field	Type	Null	Key	Default	Extra
sp_id	bigint	NO	PRI	NULL	
cat_id	bigint	NO	PRI	NULL	

**sp\_services:**

Field	Type	Null	Key	Default	Extra
sp_id	bigint	NO	PRI	NULL	
service_id	bigint	NO	PRI	NULL	

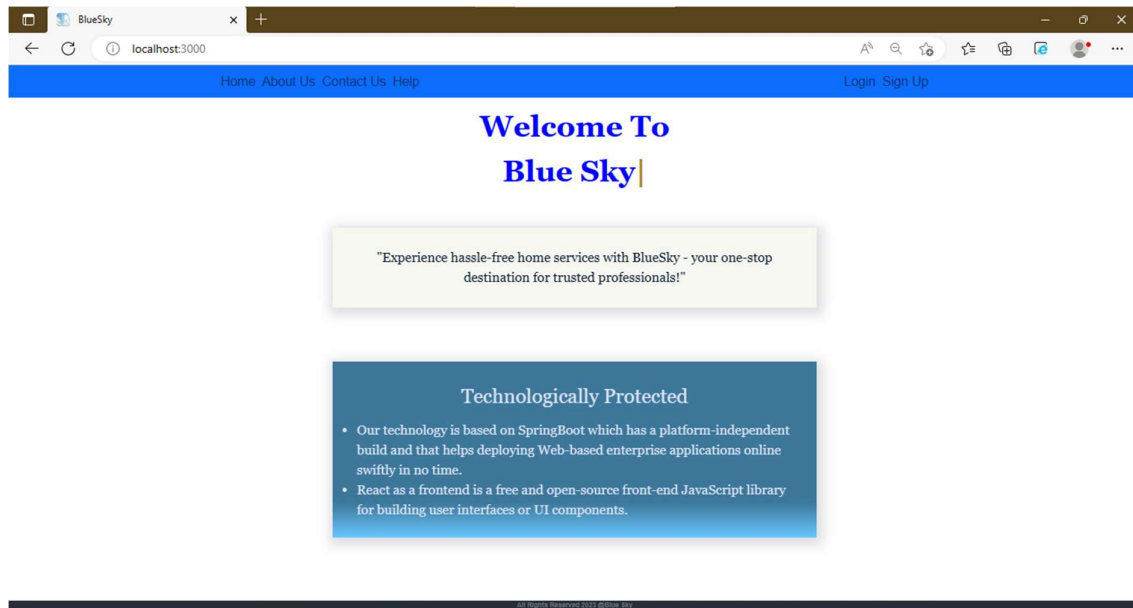
**cat\_services:**

Field	Type	Null	Key	Default	Extra
cat_id	bigint	NO	PRI	NULL	
service_id	bigint	NO	PRI	NULL	

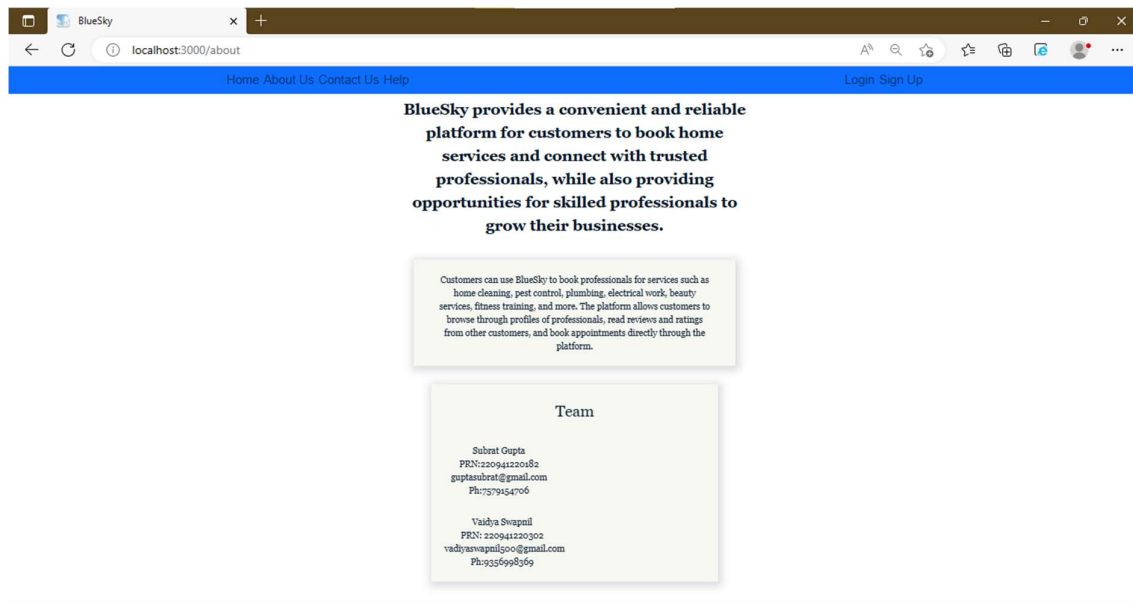


## Screenshots:

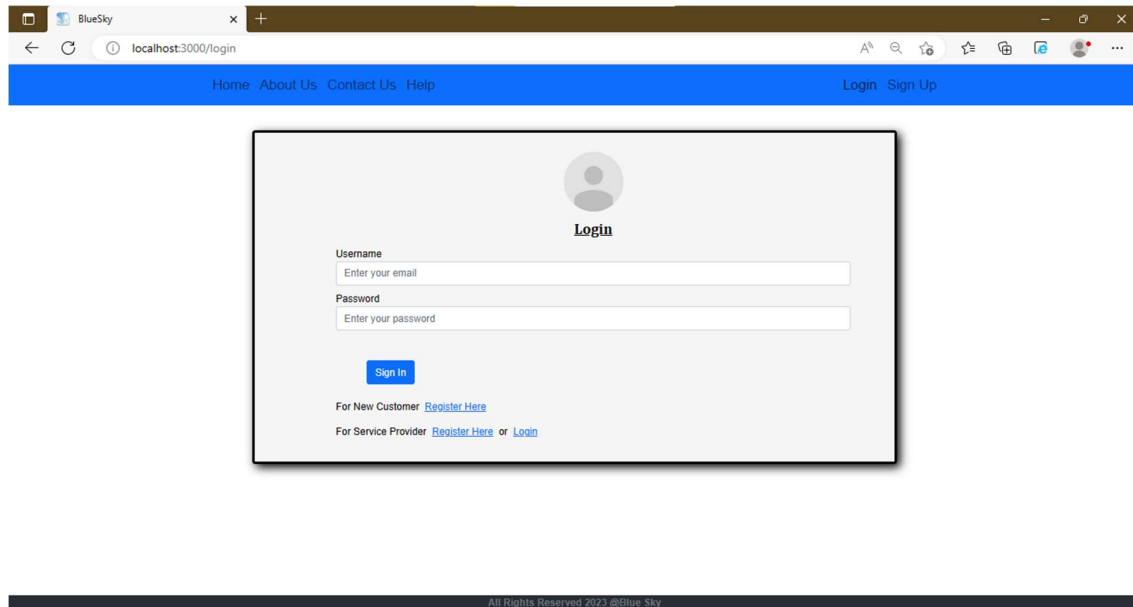
### Welcome Page:



### About:



## Customer Login Page:




The screenshot shows a web browser window with the title 'BlueSky'. The address bar displays 'localhost:3000/login'. The page has a blue header with navigation links: 'Home', 'About Us', 'Contact Us', 'Help', 'Login', and 'Sign Up'. The main content area is a light gray box with a user icon and the title 'Login'. It contains two input fields: 'Username' with a placeholder 'Enter your email' and 'Password' with a placeholder 'Enter your password'. Below these is a blue 'Sign in' button. At the bottom, there are links for 'For New Customer Register Here' and 'For Service Provider Register Here or Login'. A footer bar at the bottom states 'All Rights Reserved 2023 @Blue Sky'.

BlueSky

localhost:3000/login

Home About Us Contact Us Help Login Sign Up

  
**Login**

Username  
Enter your email

Password  
Enter your password

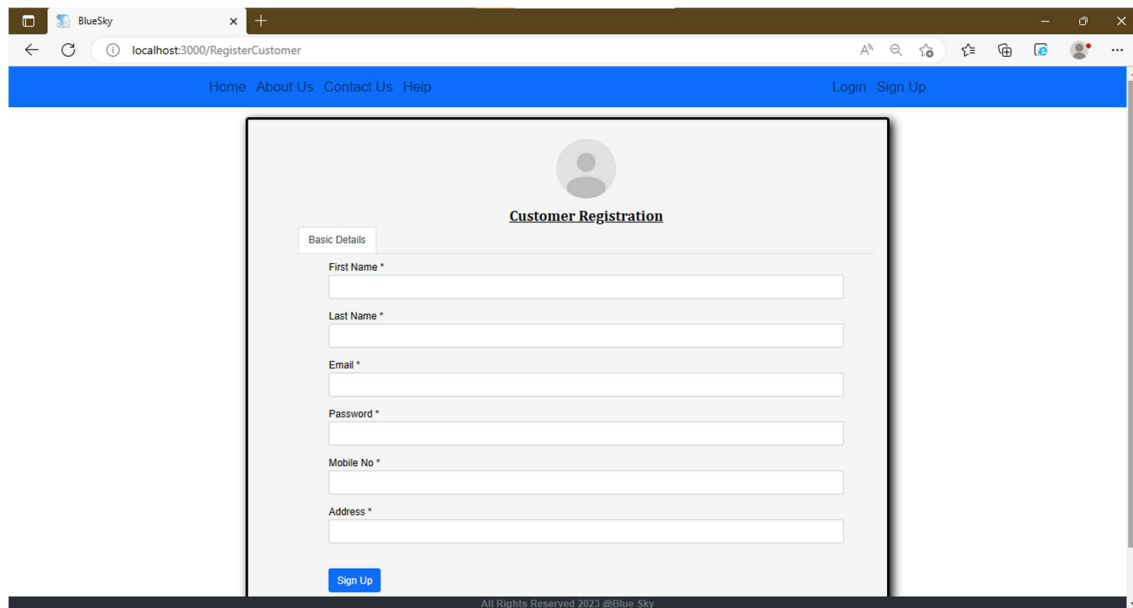
Sign in

For New Customer [Register Here](#)

For Service Provider [Register Here](#) or [Login](#)

All Rights Reserved 2023 @Blue Sky

## Customer Registration Page:




The screenshot shows a web browser window with the title 'BlueSky'. The address bar displays 'localhost:3000/RegisterCustomer'. The page has a blue header with navigation links: 'Home', 'About Us', 'Contact Us', 'Help', 'Login', and 'Sign Up'. The main content area is a light gray box with a user icon and the title 'Customer Registration'. It features a 'Basic Details' tab and several input fields: 'First Name \*', 'Last Name \*', 'Email \*', 'Password \*', 'Mobile No \*', and 'Address \*'. A blue 'Sign Up' button is at the bottom. A footer bar at the bottom states 'All Rights Reserved 2023 @Blue Sky'.

BlueSky

localhost:3000/RegisterCustomer

Home About Us Contact Us Help Login Sign Up

  
**Customer Registration**

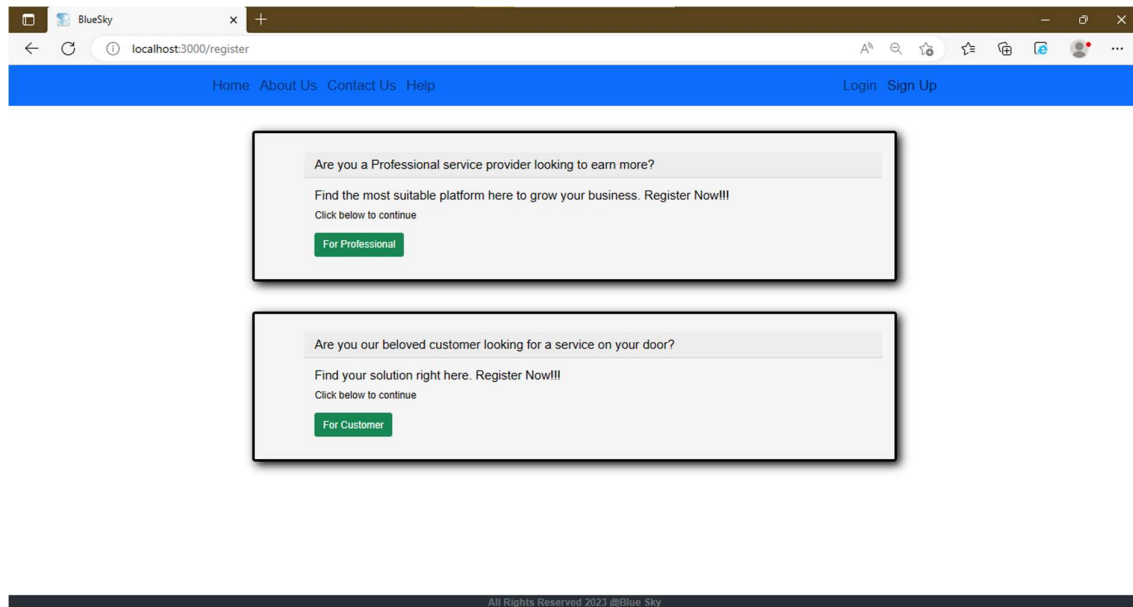
Basic Details

First Name \*  
Last Name \*  
Email \*  
Password \*  
Mobile No \*  
Address \*

Sign Up

All Rights Reserved 2023 @Blue Sky

## Registration Page:



The screenshot shows a web browser window with the URL `localhost:3000/register`. The page has a blue header with navigation links: Home, About Us, Contact Us, Help, Login, and Sign Up. The main content area contains two registration options:

Are you a Professional service provider looking to earn more?

Find the most suitable platform here to grow your business. Register Now!!!

Click below to continue

[For Professional](#)

Are you our beloved customer looking for a service on your door?

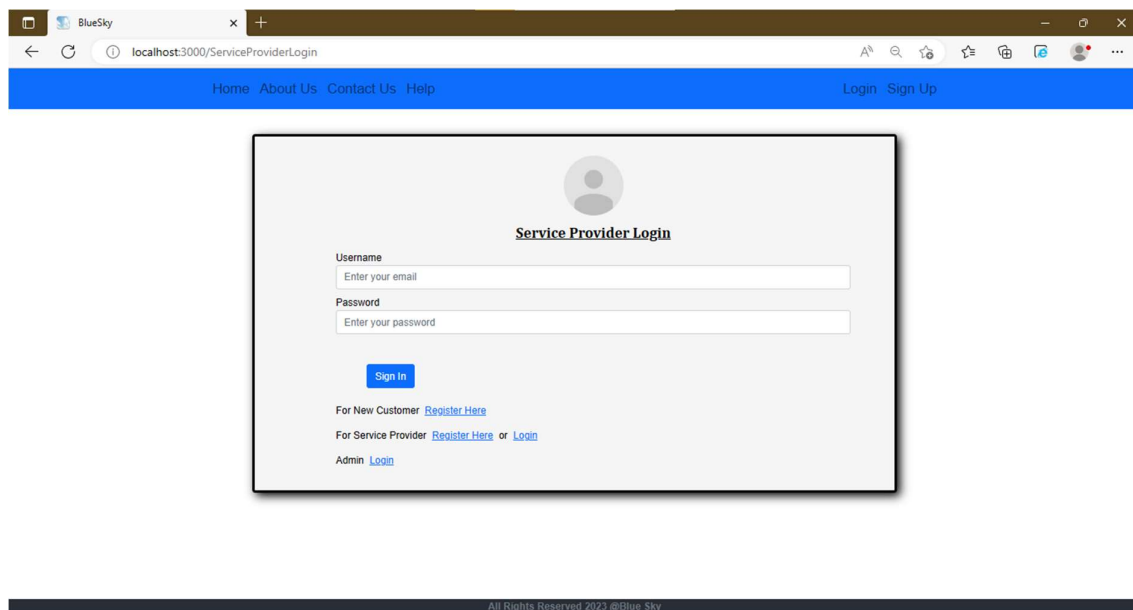
Find your solution right here. Register Now!!!

Click below to continue


[For Customer](#)

All Rights Reserved 2023 @Blue Sky

## Service Provider Login Page:



The screenshot shows a web browser window with the URL `localhost:3000/ServiceProviderLogin`. The page has a blue header with navigation links: Home, About Us, Contact Us, Help, Login, and Sign Up. The main content area contains a login form for service providers:



**Service Provider Login**

Username

Password

[Sign In](#)

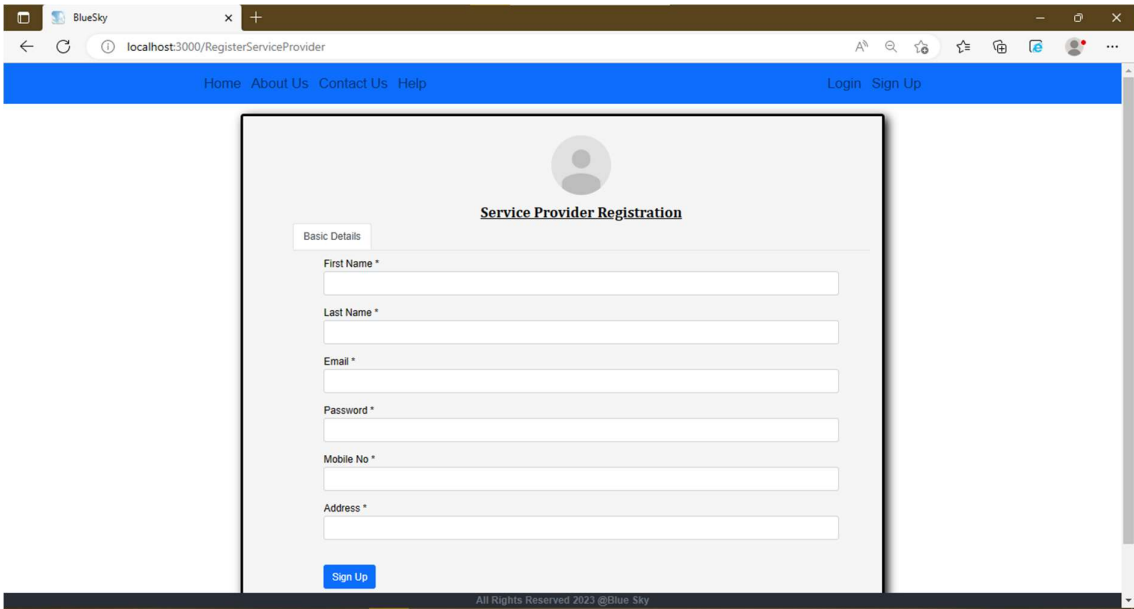
For New Customer [Register Here](#)

For Service Provider [Register Here](#) or [Login](#)

Admin [Login](#)

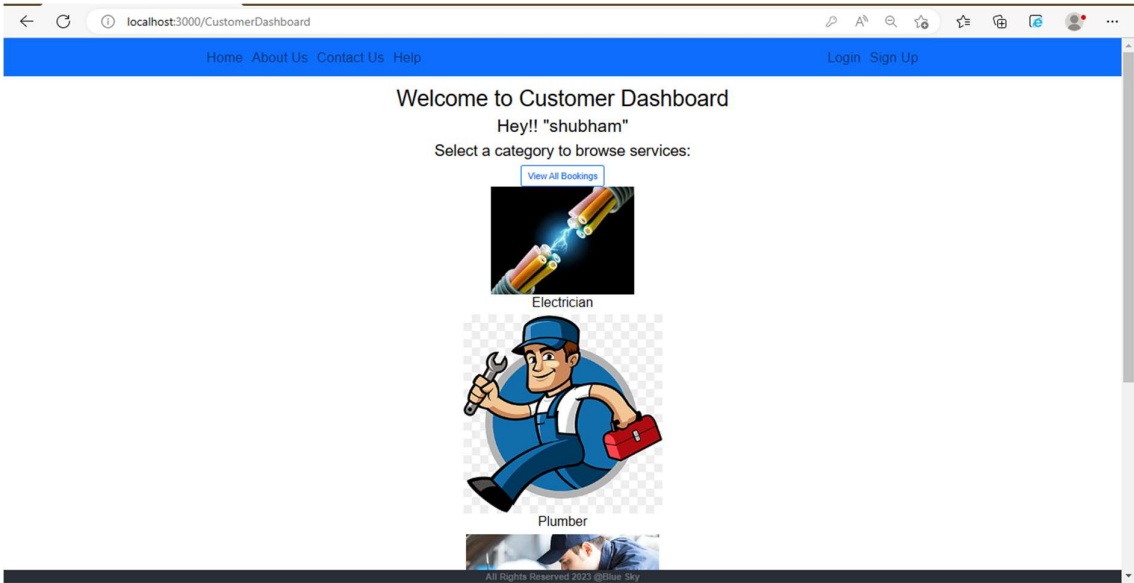
All Rights Reserved 2023 @Blue Sky

Service Provider Registration Page:



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/RegisterServiceProvider'. The page has a blue header with navigation links: 'Home', 'About Us', 'Contact Us', 'Help', 'Login', and 'Sign Up'. The main content area is titled 'Service Provider Registration' and features a 'Basic Details' tab. Below the tab are input fields for 'First Name \*', 'Last Name \*', 'Email \*', 'Password \*', 'Mobile No \*', and 'Address \*'. A blue 'Sign Up' button is located at the bottom left of the form. The footer of the page states 'All Rights Reserved 2023 @Blue Sky'.

Customer Dashboard Page:



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/CustomerDashboard'. The page has a blue header with navigation links: 'Home', 'About Us', 'Contact Us', 'Help', 'Login', and 'Sign Up'. The main content area is titled 'Welcome to Customer Dashboard' and includes a personalized greeting 'Hey!! "shubham"'. Below the greeting is a prompt 'Select a category to browse services:' followed by a 'View All Bookings' button. Two service categories are displayed: 'Electrician' with an image of a circuit board and 'Plumber' with an image of a plumber holding a wrench and a red toolbox. The footer of the page states 'All Rights Reserved 2023 @Blue Sky'.

Services Available Page:

←↻📄localhost:3000/CustomerDashboard/category/1/services

⌕🔖🔖🔖🔖🔖🔖🔖

HomeAbout UsContact UsHelpLoginSign Up

Services

Services	Price	Action
Wiring	1000	Book Now
General Visit	250	Book Now
Full Home Checkup	1499	Book Now

All Rights Reserved 2021 @Blue Sky

Bookings Page:

←↻📄localhost:3000/CustomerBookings

⌕🔖🔖🔖🔖🔖🔖🔖

HomeAbout UsContact UsHelpLoginSign Up

Your Bookings

Home

Id	Booking Date & Time	Service	Price	PaymentId	Status	Action
47	2023-03-11T09:14:53.00431	Wiring	1000		Pending	Cancel
48	2023-03-11T09:14:59.732104	General Visit	250		Accepted	Cancel

All Rights Reserved 2021 @Blue Sky

## Service Provider Dashboard with Real Time Service Request Interface Page:

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/ServiceProviderDashboard'. The page has a blue header with navigation links: 'Home', 'About Us', 'Contact Us', 'Help', 'Login', and 'Sign Up'. The main content area features two tables. The first table, titled 'Service Request Available', lists three requests with columns for Id, Booking Date & Time, Service, Price, Paymentid, Status, and Action. The second table, titled 'Your Accepted Services', lists two accepted services with the same columns. A footer bar at the bottom states 'All Rights Reserved 2021 @Blue Sky'.

Id	Booking Date & Time	Service	Price	Paymentid	Status	Action
1	2023-03-02T02:00:16.615525	wiring	1000		Accepted	<button>Accept</button>
47	2023-03-11T09:14:53.00431	Wiring	1000		Pending	<button>Accept</button>
48	2023-03-11T09:14:59.732104	General Visit	250		Accepted	<button>Accept</button>

Id	Booking Date & Time	Service	Price	Paymentid	Status	Action
1	2023-03-02T02:00:16.615525	wiring	1000		Accepted	
48	2023-03-11T09:14:59.732104	General Visit	250		Accepted	

All Rights Reserved 2021 @Blue Sky

## Admin Dashboard:

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/AdminDashboard'. The page has a blue header with navigation links: 'Home', 'About Us', 'Contact Us', 'Help', 'Login', and 'Sign Up'. The main content area displays 'Welcome Administrator' followed by four buttons: 'View All Customer', 'View All Service Providers', 'View All Bookings', and 'Manage categories'. A footer bar at the bottom states 'All Rights Reserved 2021 @Blue Sky'.

Welcome Administrator

View All Customer

View All Service Providers

View All Bookings

Manage categories

All Rights Reserved 2021 @Blue Sky

## Admin can manage all Customer:

localhost:3000/Customers

Home About Us Contact Us Help Login Sign Up

### All Customers

Home

Id	First Name	Last Name	Email	Address	Mob. No.	Action
1	niteesh	sati	niteesh@gmail.com	pune	1234567890	Delete
2	shubham	kanozia	shubham@gmail.com	Pune	123456789	Delete

All Rights Reserved 2021 @Blue Sky

## Admin can manage all Service Provider:

localhost:3000/ServiceProviders

Home About Us Contact Us Help Login Sign Up

### All Service Providers

Home

Id	First Name	Last Name	Email	Address	Mob. No.	Action
1	swapnil	vaidya	swapnil@gmail.com	pune	1234568	Delete
5	Subrat	Gupta	subrat@gmail.com	Pune	1234567890	Delete

All Rights Reserved 2021 @Blue Sky

### Admin can view all Bookings:

← ↻ ⓘ localhost:3000/AllBookings 🔍 🏠 📁 🖨️ 👤 ⋮

Home About Us Contact Us Help Login Sign Up

All Service Requests

Home

Id	Booking Date & Time	Service	Price	PaymentId	Status
1	2023-03-02T02:00:16.615525	wiring	1000		Accepted
47	2023-03-11T09:14:53.00431	Wiring	1000		Pending
48	2023-03-11T09:14:59.732104	General Visit	250		Accepted

All Rights Reserved 2023 @Blue Sky

### Admin Dashboard:

The screenshot shows the 'Administrator Dashboard' with a blue header bar containing navigation links: Home, About Us, Contact Us, and Help. On the right side of the header are links for Login and Sign Up. The main content area has a title 'Welcome to Administrator Dashboard' and a subtitle 'Select a category to browse services:'. Below this, there are three service categories, each with a number, an image, and a 'View Services' button:

- 1**: Electrician. The image shows a close-up of electrical wires being connected with a glowing blue spark.
- 2**: Plumber. The image is a cartoon illustration of a plumber wearing a blue cap and overalls, holding a wrench and a red toolbox.
- 3**: Mechanic. The image shows a mechanic in a dark jacket working on a car engine.

At the bottom of the page, there is a small footer that reads '© 2023 All Rights Reserved 2023 Digma, Inc'.




## Admin can add categories:

localhost:3000/admin/addCategory

Google YouTube Jio Centrum Home... UPSC Magazine | B... GitHub - niketchau... Employment News... Fahare - Auto Desk... Internet Archive: DL... Other bookmarks

Home About Us Contact Us Help Login Sign Up



### Add Category

Category Name  
Enter Category Name

Image URL  
Enter image url

Submit

All Rights Reserved 2023 @Blue Sky

## Admin can manage services:

localhost:3000/ManageCategories/category/1/services

Home About Us Contact Us Help Login Sign Up

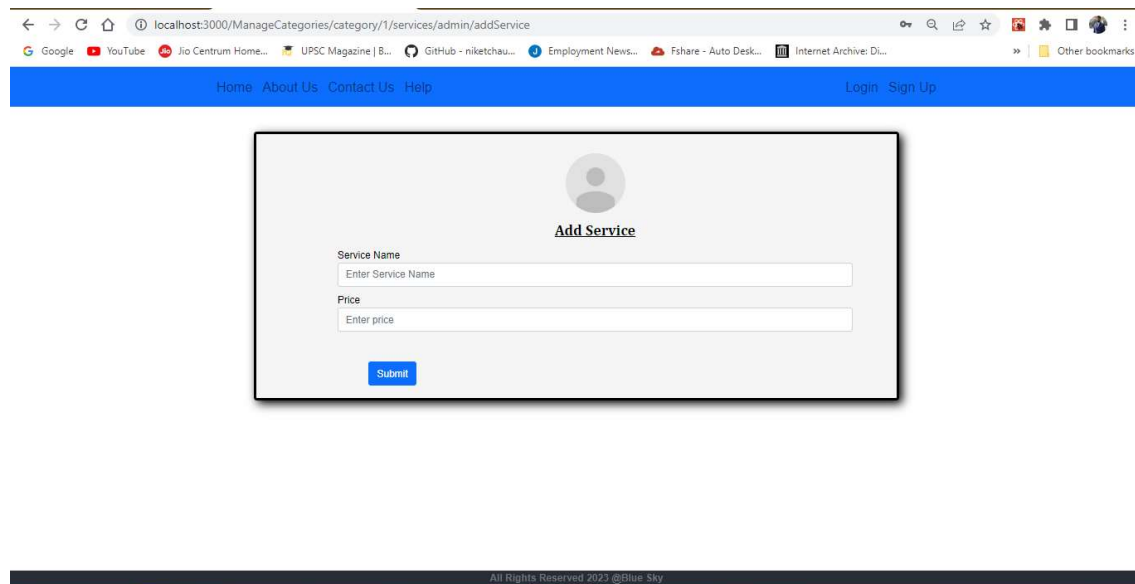
### Services

Add Service Home

Service Id	Services	Price	Action
108	Wiring	1000	Delete
109	General Visit	250	Delete
110	Full Home Checkup	1499	Delete

All Rights Reserved 2023 @Blue Sky

## Admin can add services:



The screenshot shows a web browser window with the address bar displaying `localhost:3000/ManageCategories/category/1/services/admin/addService`. The browser's bookmark bar includes links to Google, YouTube, Jio Centrum Home..., UPSC Magazine | B..., GitHub - niketchau..., Employment News..., Fshare - Auto Desk..., Internet Archive: DL..., and Other bookmarks. The website's navigation bar is blue and contains links for Home, About Us, Contact Us, Help, Login, and Sign Up. The main content area features a light gray box with a user profile icon at the top, followed by the heading **Add Service**. Below this heading are two input fields: one for 'Service Name' with the placeholder text 'Enter Service Name', and another for 'Price' with the placeholder text 'Enter price'. A blue 'Submit' button is positioned at the bottom of the form. At the very bottom of the page, a dark gray footer bar contains the text 'All Rights Reserved 2023 @Blue Sky'.

**Conclusion:**

In conclusion, the online services for mechanics, plumbing, and electricians have revolutionized the traditional way of availing services. With the increasing use of smartphones and the internet, customers are finding it easier to book services online rather than physically visiting the service provider. The online services have not only made it more convenient for customers but have also opened up new opportunities for service providers to expand their business.

The advantages of online services include easy booking, quick response, and availability of a variety of service providers to choose from. Moreover, the online service providers offer competitive pricing, transparency in pricing, and quality assurance, which ensures customer satisfaction. The service providers also benefit from increased visibility, enhanced reputation, and efficient management of resources.

However, there are some challenges associated with online services such as managing customer expectations, ensuring timely service, and dealing with customer complaints. The service providers need to have a robust system in place to address these challenges and provide an excellent customer experience.

Overall, the online services for mechanics, plumbing, and electricians have disrupted the traditional service industry and have provided a new and convenient way for customers to avail themselves of services. As technology continues to evolve, we can expect more innovative solutions to emerge in the future.

## **Future Scope:**

The future scope for online services like mechanic, plumbing, and electrician is vast, and there are several opportunities to explore. Here are some of the potential areas for growth:

**Expansion to new geographical areas:** Online service providers can expand their services to new geographical areas and tap into new markets. This can be achieved by partnering with local service providers or hiring new professionals.

**Integration with smart home devices:** With the increasing adoption of smart home devices, online service providers can integrate their services with these devices. This will enable customers to book services automatically when a device detects a problem.

**Offering new services:** Online service providers can expand their offerings and include new services that complement their existing services. For example, a plumbing service provider can offer water quality testing services.

**Implementing advanced technologies:** Online service providers can leverage advanced technologies like Artificial Intelligence (AI) and Machine Learning (ML) to improve their services. For instance, AI-powered chatbots can help customers book services and resolve their queries.

**Offering subscription-based services:** Online service providers can offer subscription-based services to customers, which will ensure recurring revenue and increase customer loyalty.

**Building partnerships with other online service providers:** Online service providers can build partnerships with other service providers such as car wash or house cleaning services, which will create cross-selling opportunities.

Overall, the online service industry for mechanics, plumbing, and electricians is still in its infancy, and there are ample opportunities to innovate and grow. Service providers who can adapt to the changing market dynamics and provide excellent customer experiences will stand to benefit in the long run.

**References:**

<https://www.w3schools.com/html/>

<https://stackoverflow.com/questions/tagged/reactjs>

<https://stackoverflow.com/questions/tagged/mysql>

<https://stackoverflow.com/questions/tagged/spring-b>