

# Design Document for Urban Service System, a web portal of service provider system.

Prepared by

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Srila Parui              Roll-38

B.Tech., Sem - V, Group- 1

Dated: 07.03.2021

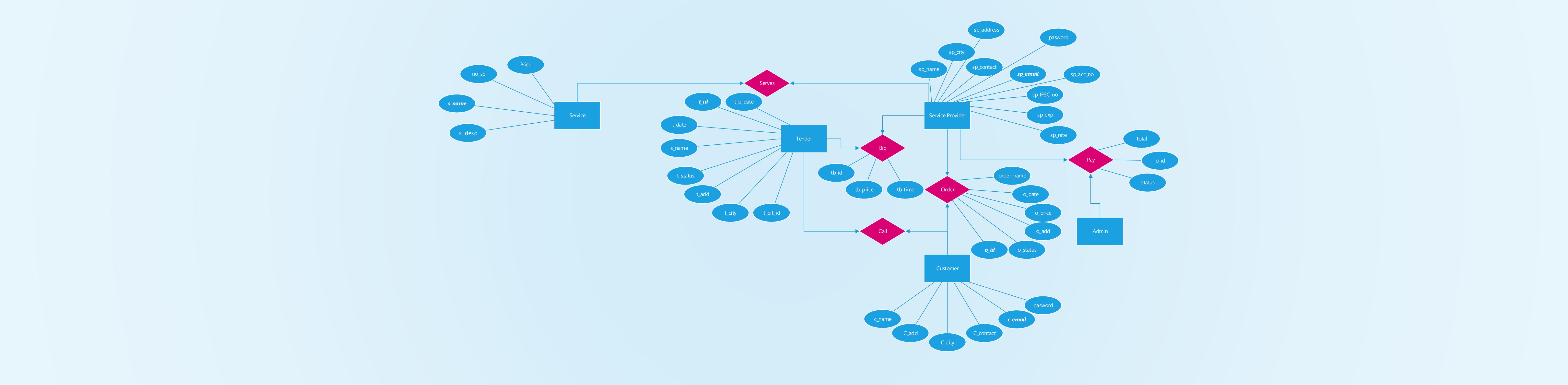
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- 2. Relational Schema**
- 3. Data Dictionary**
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- 5. DFD**
- 6. UI Description**

## **Entity-Relationship Diagram**

An entity–relationship model (or ER model) describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types (which classify the things of interest) and specifies relationships that can exist between entities (instances of those entity types).

In software engineering, an ER model is commonly formed to represent things a business needs to remember in order to perform business processes. Consequently, the ER model becomes an abstract data model, that defines a data or information structure which can be implemented in a database, typically a relational database.



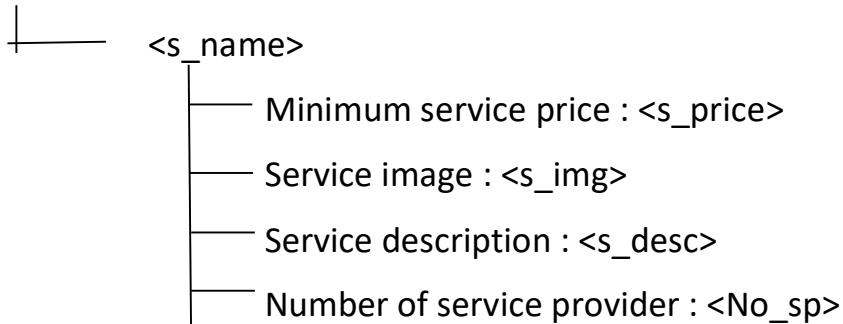
## Relational Schema

Relation schema defines the design and structure of the relation like it consists of the relation name, set of attributes/field names/column names. every attribute would have an associated domain.

A **relational schema** is a set of **relational** tables and associated items that are related to one another. All of the base tables, views, indexes, domains, user roles, stored modules, and other items that a user creates to fulfil the data needs of a particular enterprise or set of applications belong to one **schema**.

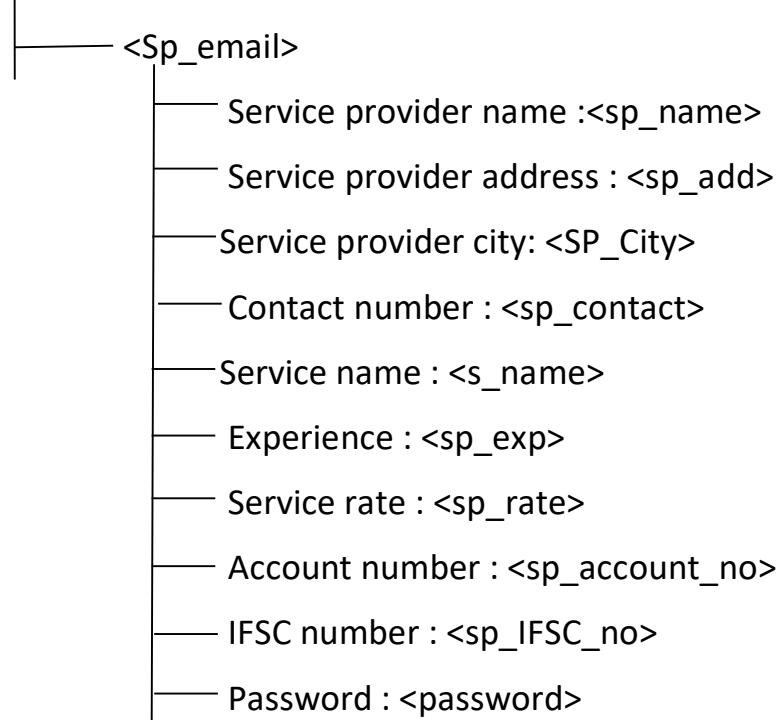
### Service:

service



### Service Provider:

service\_provider



### Customer:

customer

- └─ <c\_email>
  - └─ Customer name : <c\_name>
  - └─ Customer address : <c\_add>
  - └─ Contact number : <c\_contact>
  - └─ Customer city: <c\_city>
  - └─ Password : <password>

### Order Details:

orderdetails

- └─ <order\_id>
  - └─ Ordered service name : <order\_name>
  - └─ Customer email : <c\_email>
  - └─ Service provider id : <sp\_id>
  - └─ Order serve date : <order\_date>
  - └─ Order status : <order\_status>
  - └─ Order serve address : <order\_add>
  - └─ Order total price : <order\_price>

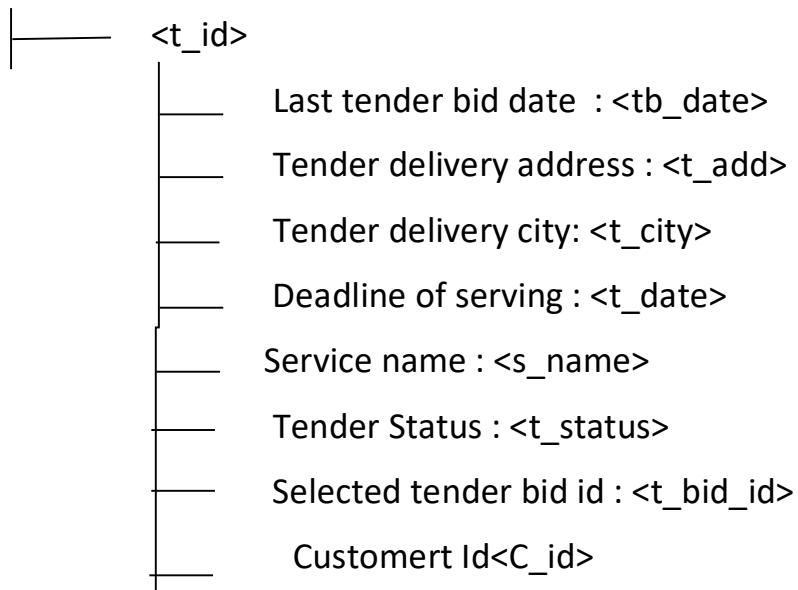
### Admin:

admin

- └─ <admin\_id>
  - └─ Admin username : <admin\_username>
  - └─ Password : <admin\_password>

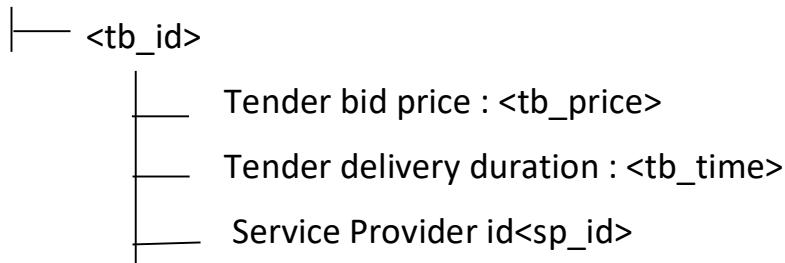
### Tender:

tender



### Bid:

bid



## Data Dictionary

A **data dictionary** contains metadata i.e **data** about the database. The **data dictionary** is very important as it contains information such as what is in the database, who is allowed to access it, where is the database physically stored etc.. Physical information about the tables such as where they are stored and how.

Table	Column	Data Type	Primary key	Nullable	Default	Comments
customer	c_name	text		No		Customer's full name
customer	c_add	text		No		Customer's address
customer	c_city	text		No		Customer's city
customer	c_contact	varchar(13)		No		Customer's contact number
customer	c_email	varchar(50)	YES	No		Customer's valid email ID
customer	password	varchar(15)		No		Valid password given by Customer

Table	Column	Data Type	Primary key	Nullable	Default	Comments
admin	admin_id	int(10)	YES	No		Admin's valid email ID
admin	admin_username	varchar(500)		No		Admin's user name
admin	admin_password	varchar(500)		No		A valid password given by Admin

Table	Column	Data Type	Primary key	Nullable	Default	Comments
service	s_name	varchar(50)	YES	No		Service name
service	s_price	int(10)		Yes	NULL	Service minimum price
service	s_desc	text		No		Service description
service	s_img	varchar(255)		Yes	NULL	Service demo images
service	No_sp	int(11)		No	0	Number of service provider in service

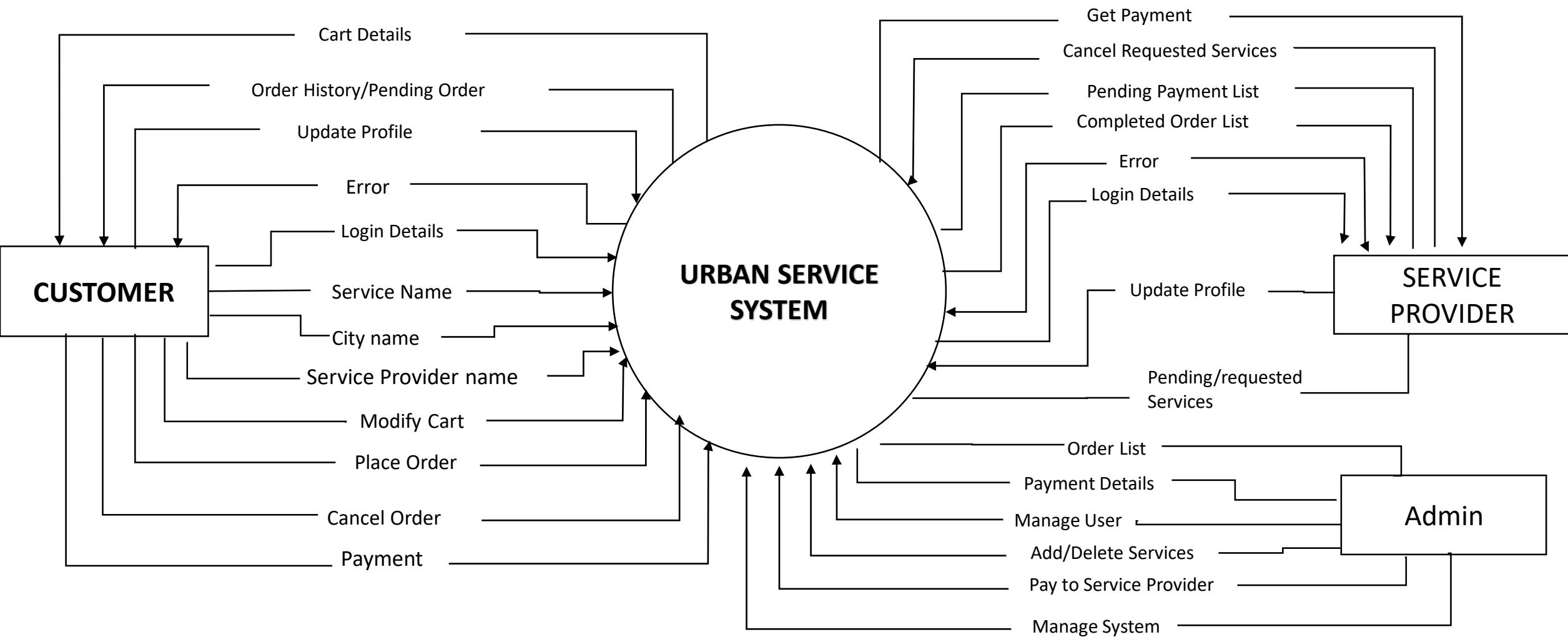
Table	Column	Data Type	Primary key	Nullable	Default	Comments
service_provider	sp_name	text		No		Name of service provider
service_provider	sp_add	text		No		Address of service provider
service_provider	sp_contact	varchar(13)		No		Contact number of service provider
service_provider	sp_email	varchar(50)	YES	No		Valid email ID of a service provider
service_provider	sp_exp	int(11)		No		Year of experience of a service provider
service_provider	sp_rate	int(11)		No		Rate of a service provider for a service
service_provider	sp_account_no	varchar(20)		No		Service provider's bank account number
service_provider	sp_IFSC_no	varchar(11)		No		Service provider's bank account's IFSCnumber
service_provider	sp_city	text		No		Service provider's service city
service_provider	s_name	varchar(50)		No		Service name
service_provider	password	varchar(255)		No		Valid password given by service provider

Table	Column	Data Type	Primary Key	Nullable	Default	Comments
orderdetails	order_id	int(10)	YES	No		Unique id for a particular order
orderdetails	order_name	varchar(50)		No		Order service name
orderdetails	c_email	varchar(50)		No	0	Customer's email Id for a particular order
orderdetails	sp_email	varchar(50)		No		Service provider's email Id for a particular order
orderdetails	order_add	varchar(255)		No		Order serve address
orderdetails	order_price	double		No	0	Price for a particular order
orderdetails	order_status	varchar(45)		No		Order status for a particular order
orderdetails	order_date	date		No	0000-00-00	Order delivery date for a particular order

## Context Diagram

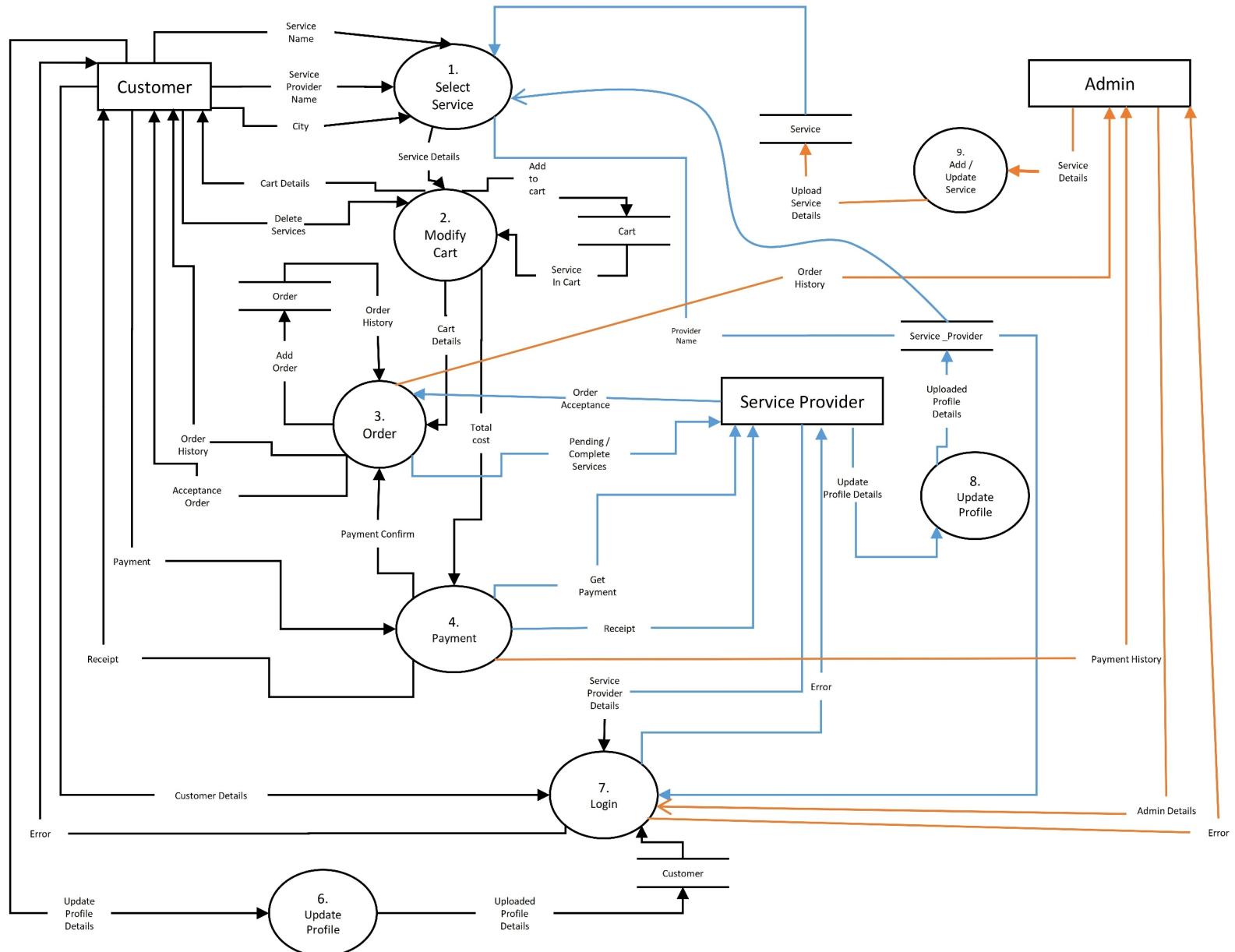
A **context diagram**, sometimes called a level 0 data-flow **diagram**, is drawn in order to define and clarify the boundaries of the software system. It identifies the flows of information between the system and external entities. The entire software system is shown as a single process.

## Context Diagram



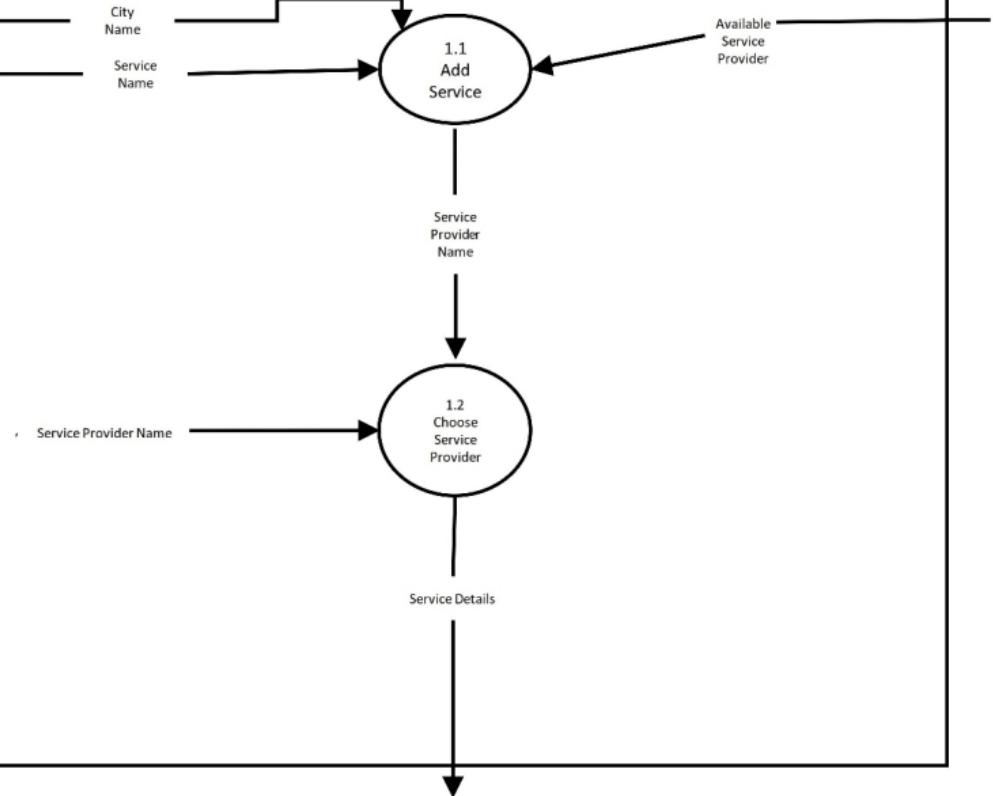
## Data Flow Diagram

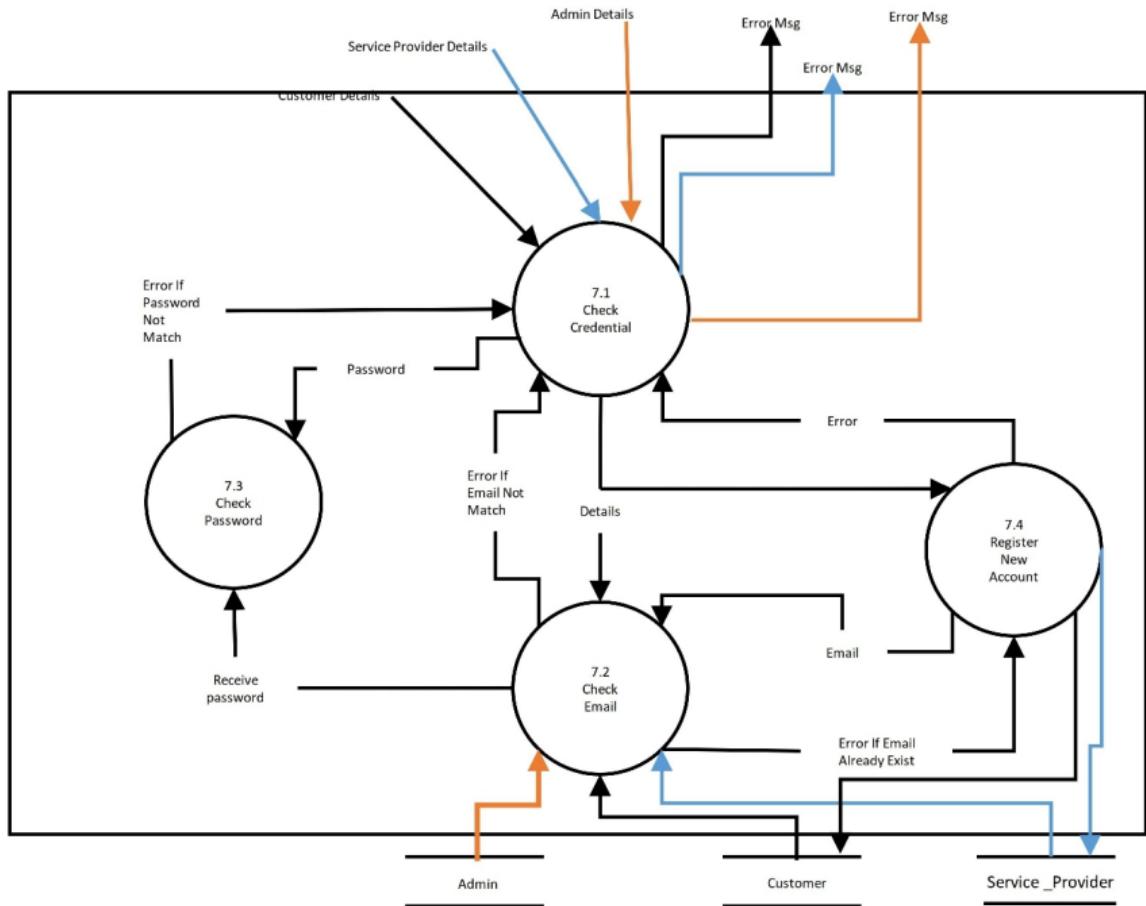
A **data-flow diagram** is a way of representing a **flow of data** through a **process** or a system (usually an information system). The **DFD** also provides information about the outputs and inputs of each entity and the **process** itself. Specific operations based on the **data** can be represented by a **flowchart**.



**Level 1**

**Data Flow Diagram**



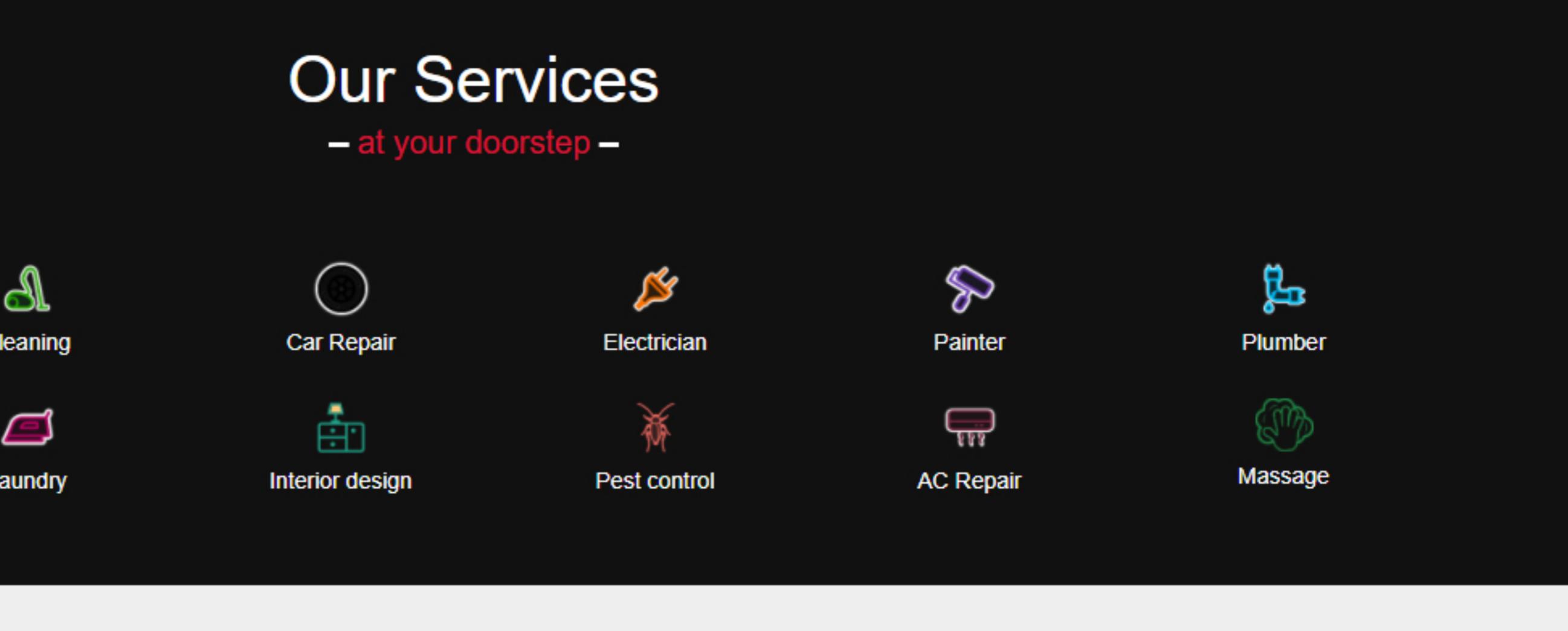


Hello, We are,

# Urban services.

And we provide service at your doorstep

[Book a service](#)



## Our Services

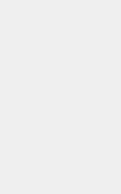
— at your doorstep —



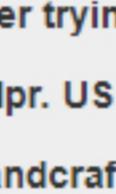
Saloon



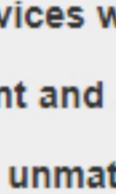
Cleaning



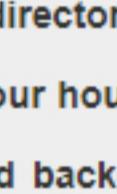
Car Repair



Electrician



Painter



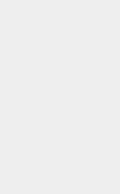
Plumber



Carpenter



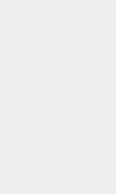
Laundry



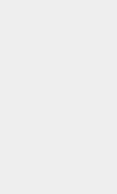
Interior design



Pest control



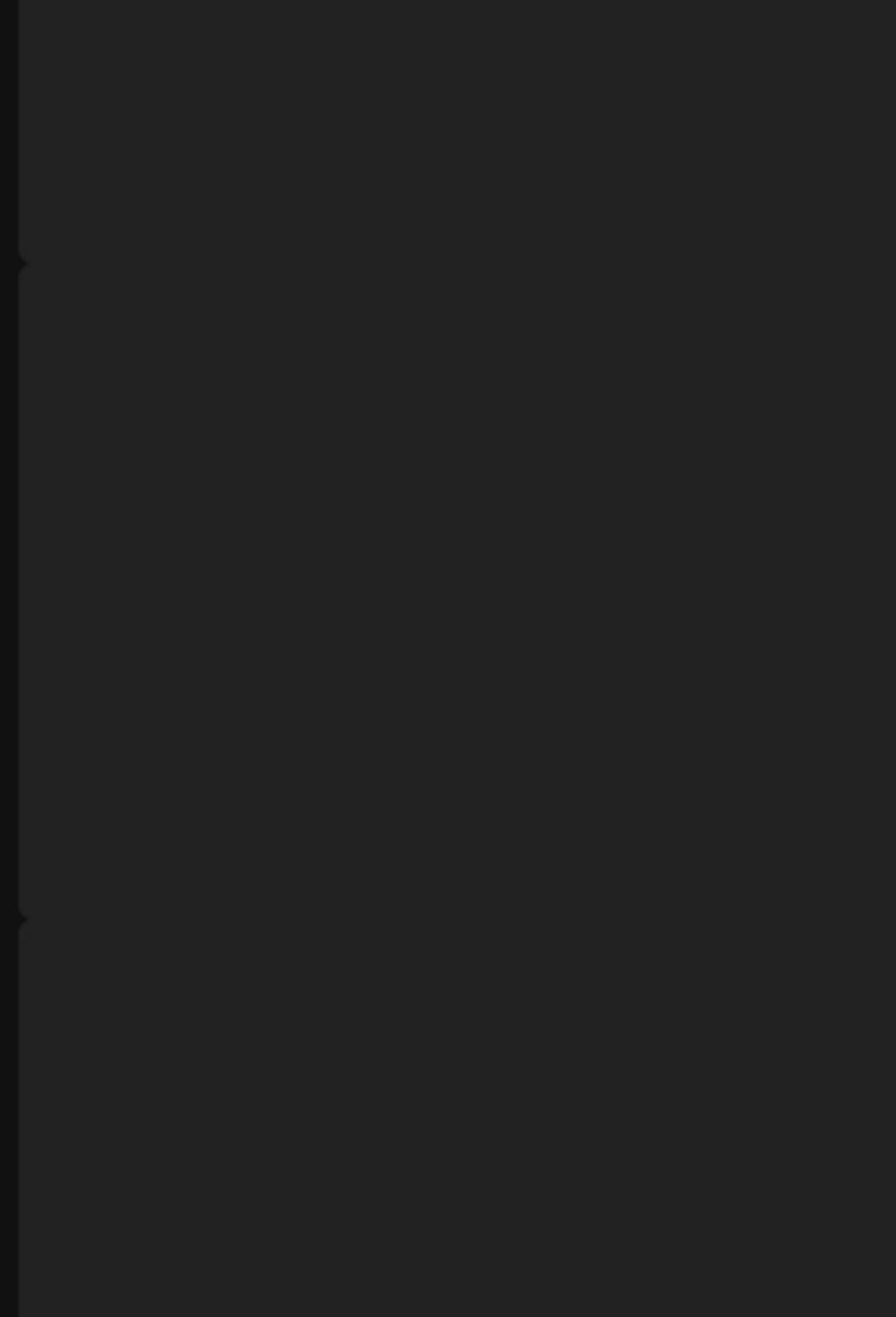
AC Repair



Massage

## Our Story

— who i am —



### We provide Expert

Like all good things, the idea of Urban Services was born out of necessity. When you need help with small but important household chores, isn't it practically impossible to find trusted providers, who deliver consistently impeccable service, on time? Yes, that happened with us too. All the time. After trying dozens of other services which were just glorified directories, we decided to build Help. US is the most convenient and hassle free way to get your household work done. With handcrafted mobile solutions, unmatched service quality, and background verified providers who are always willing to lend a hand, we aim to aid in solving all your household problems with efficiency, ease and most importantly, a personal touch.

[Contact US](#)

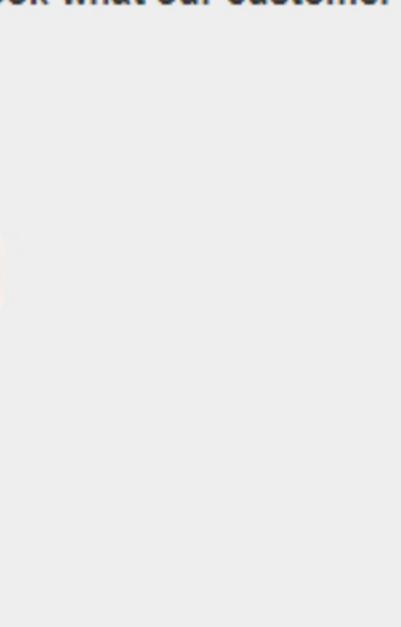
## My teams

— at your doorstep —



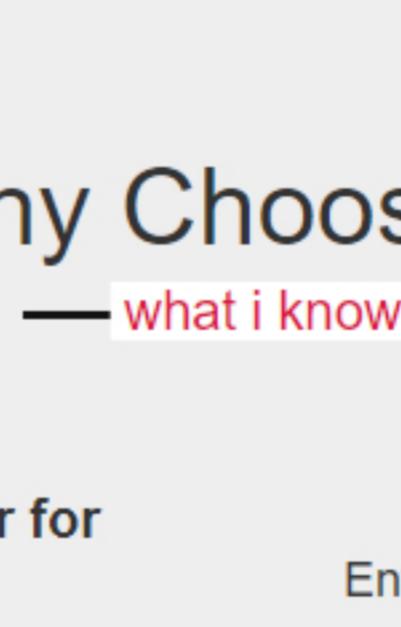
Debopriyo Ghosh

Designer & Developer



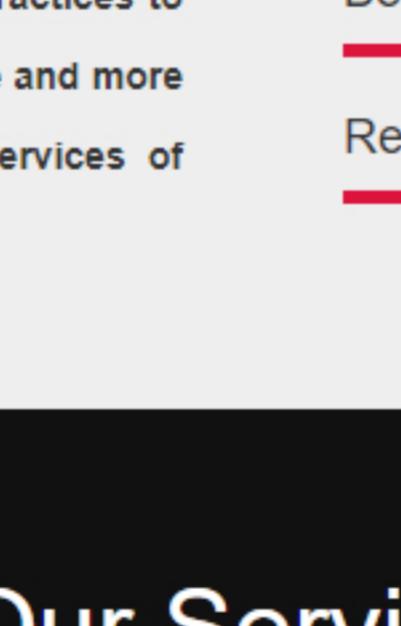
Saikat Jana

Tester & Developer



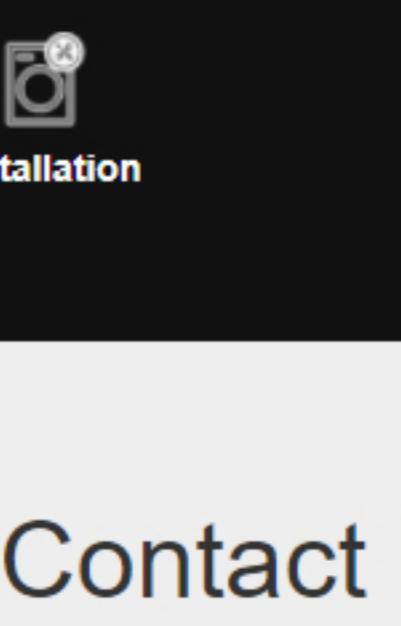
Mousumi Mondal

Content Creator



Saradindu Rana

Frontend Developer

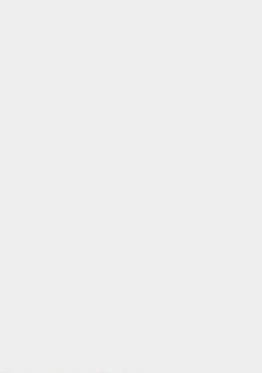


Srla Parui

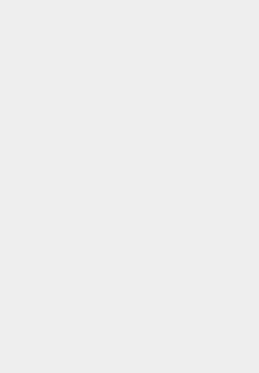
Tester

## Customer's Talk

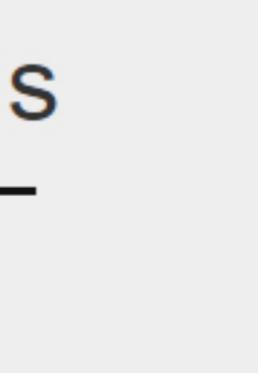
Have a look what our customer's said about us.



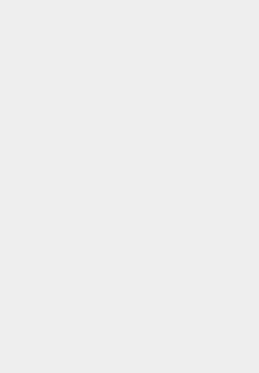
PAUL  
RODRIGUEZ



TONY  
HAWK



LETICIA  
BUFONI



LUAN  
OLIVERA

This company is one of the best in the market they give us what we need on our skateboards.

One time I have mistakenly order a wrong set up but luck they immediately notify me.

They are so flexible, approachable they can adjust to my schedule they value trust.

They deliver so fast and the price of the items are low.

Have a look what our customer's said about us.

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Have a look what our customer's said about us.</

localhost/urbanclap\_ui/index.php

# US.

**Customer Login**

Email

Password

Sign In

Cancel

Don't Have An Account ? Sign Up Now

ADMIN SIGN UP SIGN IN SPREG SLOGIN

**Get in Touch**

Urban Services is the most convenient and hassle free way to get your household work done. With handcrafted mobile solutions, unique service providers, quality, and background verified providers who are always willing to help, we aim to aid in solving all your household problems with efficiency and most importantly, a personal touch.

Name  
Debopriyo Ghosh

Address  
Heaven, MCU

Email  
donotreply@gmail.com

Message..

Send message

By Group One | 2021 B.Tech V SEM CU.

localhost/urbanclap\_ui/index.php

# US.

**Customer Registration Form**

Name

Address

City

Mobile No

Email

Password

Sign Up

Cancel

ADMIN SIGN UP SIGN IN SPREG SLOGIN

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Urban Services is the most convenient and hassle free way to get your household work done. With handcrafted mobile solutions, unique service providers, quality, and background verified providers who are always willing to help, we aim to aid in solving all your household problems with efficiency and most importantly, a personal touch.

Name  
Debopriyo Ghosh

Address  
Heaven, MCU

Email  
donotreply@gmail.com

Email

Message..

Send message

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localhost/urbanclap\_ui/index.php

# US.

Service Provider Login

ADMIN SIGN UP SIGN IN SPREG SPLOGIN

Get in Touch

Urban Services is the most convenient and hassle free way to get your household work done. With handcrafted mobile solutions, unique quality, and background verified providers who are always willing to help, we aim to aid in solving all your household problems with efficiency and most importantly, a personal touch.

Name  
Debopriyo Ghosh

Address  
Heaven, MCU

Email  
donotreply@gmail.com

Email Subject Message.. Send message

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localhost/urbanclap\_ui/Customers/index.php

## Urban Services

- Home
- Book Now
- My Order Cart
- Pay Now
- Order History
- Account Settings
- Logout

Services! So, if you're looking for an Element skateboard, why not visit the Urban Services? It's that easy. If you have a favorite skate brand, this is the easiest and most o get it. A lot of skate brands who are well known for one thing, like decks, also sell complete with their own special wheels, along with other brands for things like trucks,

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← → C ⓘ localhost/urbanclap\_ui/Customers/shop.php?id=1

## Urban Services

This is our well knowned service providers, Book now!

Price  
100 - 5000

Service

- Beautician
- Car Repair
- Carpenter
- Cleaning
- Electric
- Grooming
- Hair Style
- Makeup

Debopriyo Ghosh

Service: Makeup  
Experience: 1 yrs  
City: Kolkata  
Contact: 08961376487  
Price: ₹ 100

Add to cart

Debopriyo Ghosh

Service: Hair Style  
Experience: 1 yrs  
City: Kolkata  
Contact: 08961376487  
Price: ₹ 200

Add to cart

Debopriyo Ghosh

Service: Grooming  
Experience: 1 yrs  
City: Kolkata  
Contact: 08961376487  
Price: ₹ 300

Add to cart

Debopriyo Ghosh

Service: Painter  
Experience: 1 yrs  
City: Kolkata  
Contact: 08961376487  
Price: ₹ 400

Add to cart

Debopriyo Ghosh

Service: Massage  
Experience: 1 yrs

Debopriyo Ghosh

Service: Cleaning  
Experience: 1 yrs

Debopriyo Ghosh

Service: Saloon  
Experience: 1 yrs

Debopriyo Ghosh

Service: Beautician  
Experience: 1 yrs

← → C ⓘ localhost/urbanclap\_ui/Customers/cart\_items.php

## Urban Services

Shopping Cart Lists, Order Now!

Service	Price	Address	Date	Actions
Makeup	₹100	1 R.M Ghose lane , mallick fatak howrah	2021-03-29	 Remove Item
Total Price: ₹ 100				 Place Order Now!

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localhost/urbanclap\_ui/Customers/orders.php

## Urban Services

### My Ordered Items

Service	Date	Address	Price
Makeup	2021-03-29	1 R.M Ghose lane , mallick fatak howrah	₹ 100

Total Price Ordered: ₹ 100

[Pay Now!](#)

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localhost/urbanclap\_ui/Customers/view\_purchased.php

## Urban Services

### Previous Items Ordered

Service	Price	Date
Beautician	₹ 334	2021-03-26
Beautician	₹ 334	2021-03-23
Beautician	₹ 334	0000-00-00
Beautician	₹ 334	2021-03-10
Beautician	₹ 334	2021-03-17
Beautician	₹ 334	2021-03-10
Beautician	₹ 334	2021-03-28
Beautician	₹ 334	2021-03-04

← → C ⓘ localhost/urbanclap\_ui/Customers/index.php

Urban Services

Name:  
Debopriyo Ghosh

Address:  
1 R.M Ghose lane , mallick fatak howra

City:  
Howrah

Mobile:  
08961376487

Password:  
...

Save Cancel

Welcome to Urban Services! So, if you're looking for an Element skateboard, why not visit the Urban Services? It's that easy. If you have a favorite skate brand, this is the easiest and most straightforward way to get it. A lot of skate brands who are well known for one thing, like decks, also sell completes with their own special wheels, along with other brands for things like trucks.

← → C ⓘ localhost/urbanclap\_ui/Admin/index.php

Urban Services - Administrator Panel

Sunday, March 07, 2021 admin ▾

Home

Add A Service

Service Management

Customer Management

S. Provider Management

Order Details

Logout

Welcome to Urban Services! So, if you're looking for an Element skateboard, why not visit the Urban Services? It's that easy. If you have a favorite skate brand, this is the easiest and most straightforward way to get it. A lot of skate brands who are well known for one thing, like decks, also sell completes with their own special wheels,

localhost/urbanclap\_ui/Admin/index.php#my-carousel

localhost/urbanclap\_ui/Admin/index.php

Sunday, March 07, 2021 admin

### Add a Service

Name of Service:

Price:

Description:

Choose Image:  No file chosen

**Save** **Cancel**

Welcome to Urban Services! So, if you're looking for an Element skateboard, why not visit the Urban Services? It's that easy. If you have a favorite skate brand, this is the easiest and most straightforward way to get it. A lot of skate brands who are well known for one thing, like decks, also sell completes with their own special wheels,

localhost/urbanclap\_ui/Admin/items.php

Sunday, March 07, 2021 admin

### Service Management

Show	10	entries	Search:		
Image	Name of Service	Price	Description	Total SP no.	Actions
	Beautician	₹ 1200	make up, hair cutting etc.	5	<b>Edit Item</b> <b>Remove Item</b>
	Car Repair	₹ 500	222	1	<b>Edit Item</b> <b>Remove Item</b>
	Carpenter	₹ 500	Carpenter can design your interior	2	<b>Edit Item</b> <b>Remove Item</b>
	Cleaning	₹ 100	111	0	<b>Edit Item</b> <b>Remove Item</b>
	Electric	₹ 2500	All type of electrical work	5	<b>Edit Item</b> <b>Remove Item</b>
	Grooming	₹ 500	333	0	<b>Edit Item</b> <b>Remove Item</b>

localhost/urbanclap\_ui/Admin/customers.php

## Customer Management

Show 10 entries Search:

Name	Address	City	Contact	Email	Actions	
Debopriyo Ghosh	1 R.M Ghose lane , mallick fatak howrah	Howrah	08961376487	debopriyodjghosh@gmail.com	<a href="#">View Orders</a>	<a href="#">Reset Order</a>

Showing 1 to 1 of 1 entries

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localhost/urbanclap\_ui/Admin/sp.php

## Service provider Management

Show 10 entries Search:

Name	Contact	Email	Service	Exp	Rate	Ac.No	IFSC	City	Actions	
Debopriyo Ghosh	08961376487	111@gmail.com	Makeup	1	100	1	1	Kolkata	<a href="#">Remove Account</a>	
Debopriyo Ghosh	08961376487	12345@gmail.com	Hair Style	1	200	1	1	Kolkata	<a href="#">Remove Account</a>	
Debopriyo Ghosh	08961376487	1234@gmail.com	Grooming	1	300	1	1	Kolkata	<a href="#">Remove Account</a>	
Debopriyo Ghosh	08961376487	123@gmail.com	Painter	1	400	1	1	Kolkata	<a href="#">Remove Account</a>	
Debopriyo Ghosh	08961376487	15@gmail.com	Massage	1	500	1	1	Kolkata	<a href="#">Remove Account</a>	
Debopriyo Ghosh	08961376487	17@gmail.com	Cleaning	1	600	1	1	Kolkata	<a href="#">Remove Account</a>	
Debopriyo Ghosh	08961376487	1@gmail.com	Saloon	1	700	1	1	Kolkata	<a href="#">Remove Account</a>	

Urban Services - Administrator Panel

Home

Add A Service

Service Management

Customer Management

S. Provider Management

**Order Details**

Logout

## Order Details Management

Show 10 entries

Search:

Oid	Date Ordered	Customer Name	Address	SP Name	Price	Status	Actions
15	2021-03-26	debopriyodjghosh@gmail.com	1 R.M Ghose lane , mallick fatak howrah	debopriyodjghosh@gmail.com	₹ 334	Ordered_finished	<button style="background-color: red; color: white; border: none; padding: 2px 5px;">Remove Item Ordered</button>
16	2021-03-23	debopriyodjghosh@gmail.com	1 R.M Ghose lane , mallick fatak howrah	debopriyodjghosh@gmail.com	₹ 334	Ordered_finished	<button style="background-color: red; color: white; border: none; padding: 2px 5px;">Remove Item Ordered</button>
17	0000-00-00	debopriyodjghosh@gmail.com		debopriyodjghosh@gmail.com	₹ 334	Ordered_finished	<button style="background-color: red; color: white; border: none; padding: 2px 5px;">Remove Item Ordered</button>
18	0000-00-00	debopriyodjghosh@gmail.com		debopriyodjghosh@gmail.com	₹ 334	Ordered_finished	<button style="background-color: red; color: white; border: none; padding: 2px 5px;">Remove Item Ordered</button>
19	0000-00-00	debopriyodjghosh@gmail.com		debopriyodjghosh@gmail.com	₹ 334	Ordered_finished	<button style="background-color: red; color: white; border: none; padding: 2px 5px;">Remove Item Ordered</button>
20	0000-00-00	debopriyodjghosh@gmail.com		debopriyodjghosh@gmail.com	₹ 334	Ordered_finished	<button style="background-color: red; color: white; border: none; padding: 2px 5px;">Remove Item Ordered</button>
21	2021-02	debopriyodjghosh@gmail.com	1 R.M Ghose lane	debopriyodjghosh@gmail.com	₹ 334	Ordered_finished	<button style="background-color: red; color: white; border: none; padding: 2px 5px;">Remove Item Ordered</button>