

A

Project Report

On

**TempZone**

Submitted By:

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B.C.A [SEM – 5]

Guided By:

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Submitted To:

**BHAKTA KAVI NARSINH MEHTA UNIVERSITY**

**JUNAGADH**



**SHRI PATEL KELAVANI MANDAL**

**COLLEGE OF TECHNOLOGY**

**COLLEGE ROAD, JUNAGADH – 362001.**

**ACADEMIC YEAR : 2023**

# CERTIFICATE



## SHRI PATEL KELAVANI MANDAL COLLEGE OF TECHNOLOGY & B.ED

*This is to certify that the project entitled*

**TempZone**

*Submitted In partial fulfillment of the requirement  
of the degree of Bachelor of Computer Application  
SEM - 5*

*Is a result of the bonafide work carried out by*

**Aryan Joshi**

**Bhagyesh Bhalodiya**

**Keval Savaliya**

*During The Year 2023*

PROJECT GUIDE

NAME : Prof. Nilam Kathrotia

PRINCIPAL



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# Abstract

- **"TempZone"** is the result of our 5<sup>th</sup> semester project during the B.C.A. at Patel Kelavani Mandal College of Technology Junagadh, under Bhakta Kavi Narsinh Mehta University.
- In today's crowded job market, a well-designed resume immediately grabs the attention of hiring managers. It serves as your initial introduction and allows you to make a positive first impression.
- On the other hand, visiting cards, often known as business cards, play a crucial role in networking and personal branding. They encapsulate one's contact information and professional identity in a compact, easily shareable format.
- TempZone is a user-friendly web-based platform developed for efficient template management. It simplifies the process of creating and updating templates, including resumes and visiting cards.
- Our main goal was to develop an easy to use web-tool that runs on every browser, so that users can seamlessly create and manage their templates or explore templates created by others.
- We store your templates, eliminating the need for you to carry them physically. With a simple browser access, you can effortlessly select your desired template and proceed to print it whenever the need arises

# Acknowledgement

We extend our heartfelt gratitude to all those who have contributed to the successful completion of this project. Their support and inspiration have been invaluable in our journey.

- We are deeply thankful to Prof. Nilam Kathrotia, our project guide, for her unwavering guidance and mentorship. Her expertise in web application development and insightful suggestions have steered us in the right direction throughout this project.
- Our sincere thanks to Prof. Nilam Kathrotia, the Head of the Department, for imparting valuable knowledge in the field of software development. Her expertise has been instrumental in our project's success.
- We express our gratitude to our esteemed Principal, whose support and encouragement provided us with the opportunity to present and execute this project.
- A special mention to our dedicated team members and developers who have put in their hard work, time, and expertise to bring this project to fruition. Your commitment has been crucial to our success.

# Declaration

We, Aryan Joshi, Keval Savaliya and Bhagyesh Bhalodiya, hereby declare that this project report, titled "**TempZone**" has been prepared by us as students of Patel Kelavani Mandal College of Technology for the fulfilment of the requirements of the B.C.A program, under the guidance of Prof. Nilam Kathrotia. The work presented in this report is the result of our own efforts and research, and all sources of information, including data, images, text, and ideas, used in the report have been duly acknowledged and cited.

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(Signature of students)

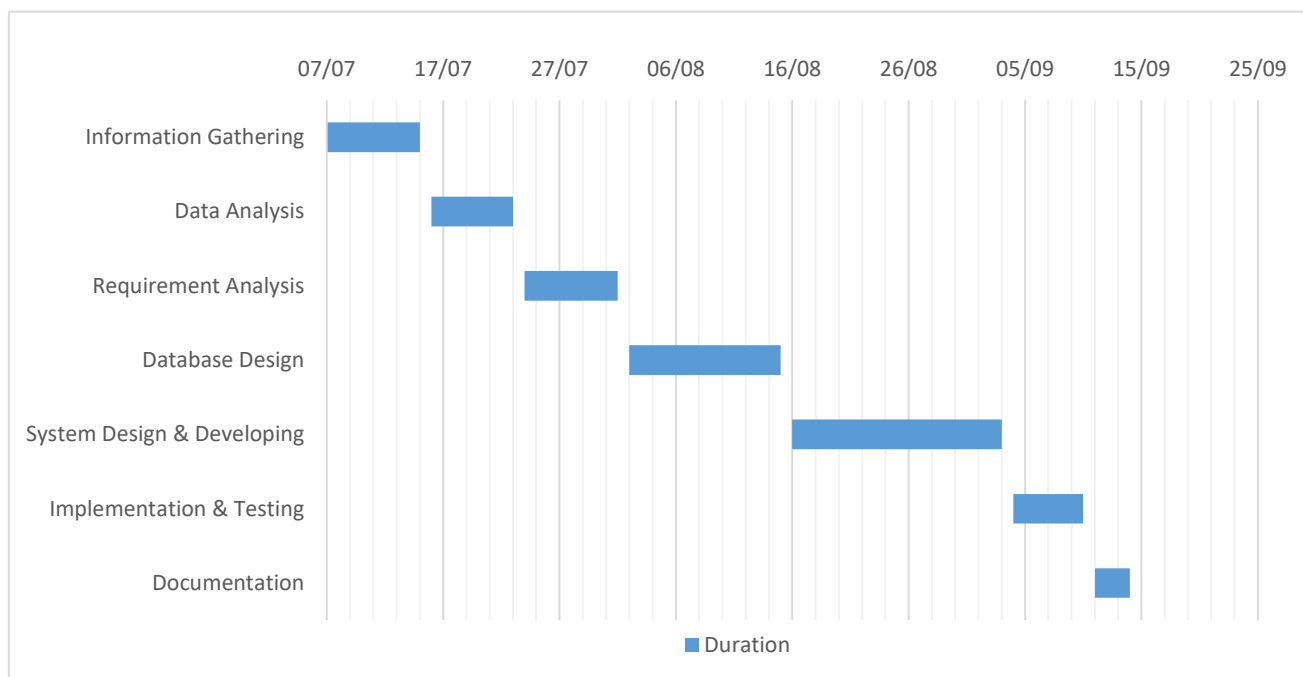
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# Project Profile

Project Name	TempZone
Project duration	3 months
Project guide	Prof. Nilam Kathrotia
Tools used	IDE – VS Code Web server – Apache, Nginx Browser – Google Chrome, Mozilla Firefox
Front-end	HTML, CSS, JavaScript
Back-end	PHP
Database	MySQL
Project team members	Aryan Joshi Bhagyesh Bhalodiya Keval Savaliya

# Timeline Chart



No.	Start date	End date	Tasks
1	07/07/2023	15/07/2023	Information Gathering
2	16/07/2023	23/07/2023	Data Analysis
3	24/07/2023	01/08/2023	Requirement Analysis
4	02/08/2023	15/08/2023	Database Design
5	16/08/2023	03/09/2023	System Design and Developing
6	04/09/2023	10/09/2023	Implementation and Testing
7	11/09/2023	14/09/2023	Documentation



# Feasibility Study

- A feasibility analysis usually involves a thorough assessment of the operational (need), financial and technical aspects of a proposal.
- The feasibility study concluded that the project would be able to be implemented to success as it was carefully planned.
- There are three types of feasibility...
  - 1) Operational Feasibility
  - 2) Technical Feasibility
  - 3) Economic Feasibility

## Operational Feasibility

- Whether the problem can be solved in the users' environment with existing and proposed system workings.
- **Tasks performed by Admin:**

Page	Process	Effectuated Table	Operations
Login	Check for the admin	admin	SELECT
Dashboard	Fetch site information	registered_users category user_templates	SELECT
Users	Manage users	registered_users	SELECT DELETE
Templates	Manage templates	user_templates	SELECT DELETE
Categories	Manage categories	category	SELECT DELETE

- **Tasks performed by Client:**

Page	Process	Effectuated Table	Operations
Login	Check for the user	registered_users	SELECT
Register	Register user	registered_users	INSERT
Dashboard	Fetch registered user's templates	user_templates	SELECT
Explore	Fetch templates of other users	user_templates	SELECT
Editor	Fetch selected template and edit it	user_templates	SELECT UPDATE
Template view	Fetch selected template	user_templates	SELECT

## Technical Feasibility

- Whether it is technically possible with the existing technology or with the planned new technology.
- **Hardware and software specification:**

- **Minimum Hardware Requirement:**

Component	Minimum requirements
Processor	1.6ghz processor or above
Supported Architecture	32bit (*86) 64bit (*64)
Memory	1gb or above
Hard disk	Total space: 250gb Installing space in single drive: 20gb

- **Minimum Software Requirement:**

Component	Minimum requirements
Operating System	Windows XP professional SP3 or higher version
MySQL server	Database
Web server	IIS Apache friend
XAMPP	XAMPP control v1.0
Web browsers	Chrome, Mozilla Firefox, Microsoft IE 9.0, Safari and Opera

# Economic Feasibility

- The purpose of an economic feasibility is to determine the net benefit of the project.
- **Hardware economic study:**

Component	Minimum requirement	Price	Website/Shop
Processor	Intel Pentium D Processor 820	₹799	www.amazon.com
Hard disk	150GB	₹1815	www.amazon.com
Memory	2gb DDR3 RAM	₹717	www.amazon.com

- **Software economic study:**

Component	Price	Website/Shop
Microsoft window XP	₹ 7040	www.shoponline.com
XAMPP (Include PHP & MYSQL)	FREE	www.apachefriends.org
VS Code	FREE	www.code.visualstudio.com

# Normalization

- Database Normalization is the process of organizing the columns and tables of a relational database to minimize data redundancy.
- Normalization usually involves dividing a database into two or more tables and defining relationship between the tables.

## First Normal Form (1NF)

In the First Normal Form, a table is organized in such a way that it meets the following criteria:

- Each column (attribute) must contain atomic (indivisible) values
- Each column must have a unique name.
- The order in which data is stored does not matter

Unnormalized Table
user_id
user_name
user_email
user_password
user_registered_at
user_updated_at
template_id
template_name
template_tags
template_category
template_owner
template_created_at
template_updated_at
category_id
category_name
category_created_at
category_updated_at
admin_id
admin_name
admin_email
admin_password

## Second Normal Form (2NF)

To achieve the Second Normal Form, a table must first satisfy the criteria for 1NF. Additionally, the following conditions should be met:

- There should be no partial dependencies. In other words, non-prime attributes (attributes not part of the primary key) should be fully functionally dependent on the entire primary key.

registered_users	
id	Primary key
user_name	
user_email	
password	
registered_at	
updated_at	

user_templates	
id	Primary key
template_name	
template_tags	
template_category	Foreign key to category
template_owner	Foreign key to registered_user
created_at	
updated_at	



category	
id	Primary key
category_name	
created_at	
updated_at	

admin	
id	Primary key
username	
email	
password	

## Third Normal Form (3NF)

To achieve the Third Normal Form, a table must first satisfy the criteria for 2NF. Additionally, the following condition should be met:

- There should be no transitive dependencies. This means that non-prime attributes should not depend on other non-prime attributes.

registered_users	
id	Primary key
user_name	
user_email	
password	
registered_at	
updated_at	


user_templates	
id	Primary key
template_name	
template_tags	
template_category	Foreign key to category
template_owner	Foreign key to registered_user
created_at	
updated_at	

category	
id	Primary key
category_name	
created_at	
updated_at	

admin	
id	Primary key
username	
email	
password	

# Database Dictionary




## Registered Users

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>user_id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>user_name</b>	varchar(256)	utf8mb4_general_ci		No	None		
3	<b>user_email</b>	varchar(256)	utf8mb4_general_ci		No	None		
4	<b>password</b>	varchar(256)	utf8mb4_general_ci		No	None		
5	<b>template_created</b>	varchar(256)	utf8mb4_general_ci		Yes	NULL		
6	<b>registered_at</b>	timestamp			Yes	current_timestamp()		
7	<b>updated_at</b>	timestamp			Yes	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()

### Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<b>PRIMARY</b>	BTREE	Yes	No	user_id	2	A	No	

# User Templates

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>template_id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>template_name</b>	varchar(256)	utf8mb4_general_ci		Yes	NULL		
3	<b>template_tags</b>	text	utf8mb4_general_ci		Yes	NULL		
4	<b>template_category</b> 	int(11)			Yes	NULL		
5	<b>template_owner</b> 	int(11)			No	None		
6	<b>created_at</b>	timestamp			No	current_timestamp()		
7	<b>updated_at</b>	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<b>PRIMARY</b>	BTREE	Yes	No	template_id	1	A	No	
<b>template_category</b>	BTREE	No	No	template_category	1	A	Yes	
<b>template_owner</b>	BTREE	No	No	template_owner	1	A	No	


# Category

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>category_id</b>	int(11)			No	None		AUTO_INCREMENT
2	<b>category_name</b>	varchar(256)	utf8mb4_general_ci		No	None		
3	<b>created_at</b>	timestamp			No	current_timestamp()		
4	<b>updated_at</b>	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	category_id	2	A	No	

# Admin

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>admin_id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>username</b>	varchar(256)	utf8mb4_general_ci		No	None		
3	<b>email</b>	varchar(256)	utf8mb4_general_ci		No	None		
4	<b>password</b>	varchar(256)	utf8mb4_general_ci		No	None		

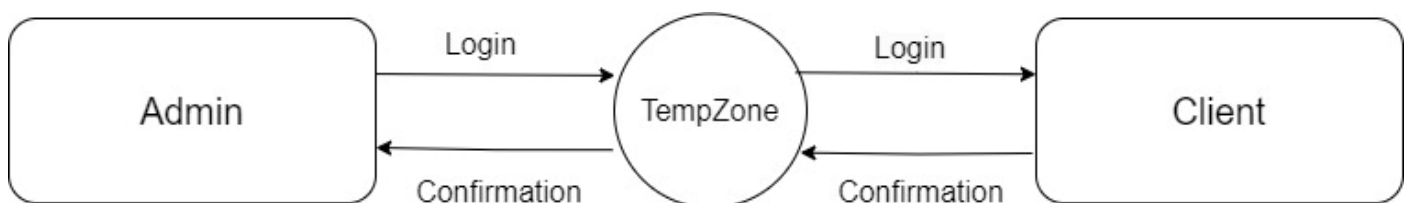
## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	admin_id	0	A	No	

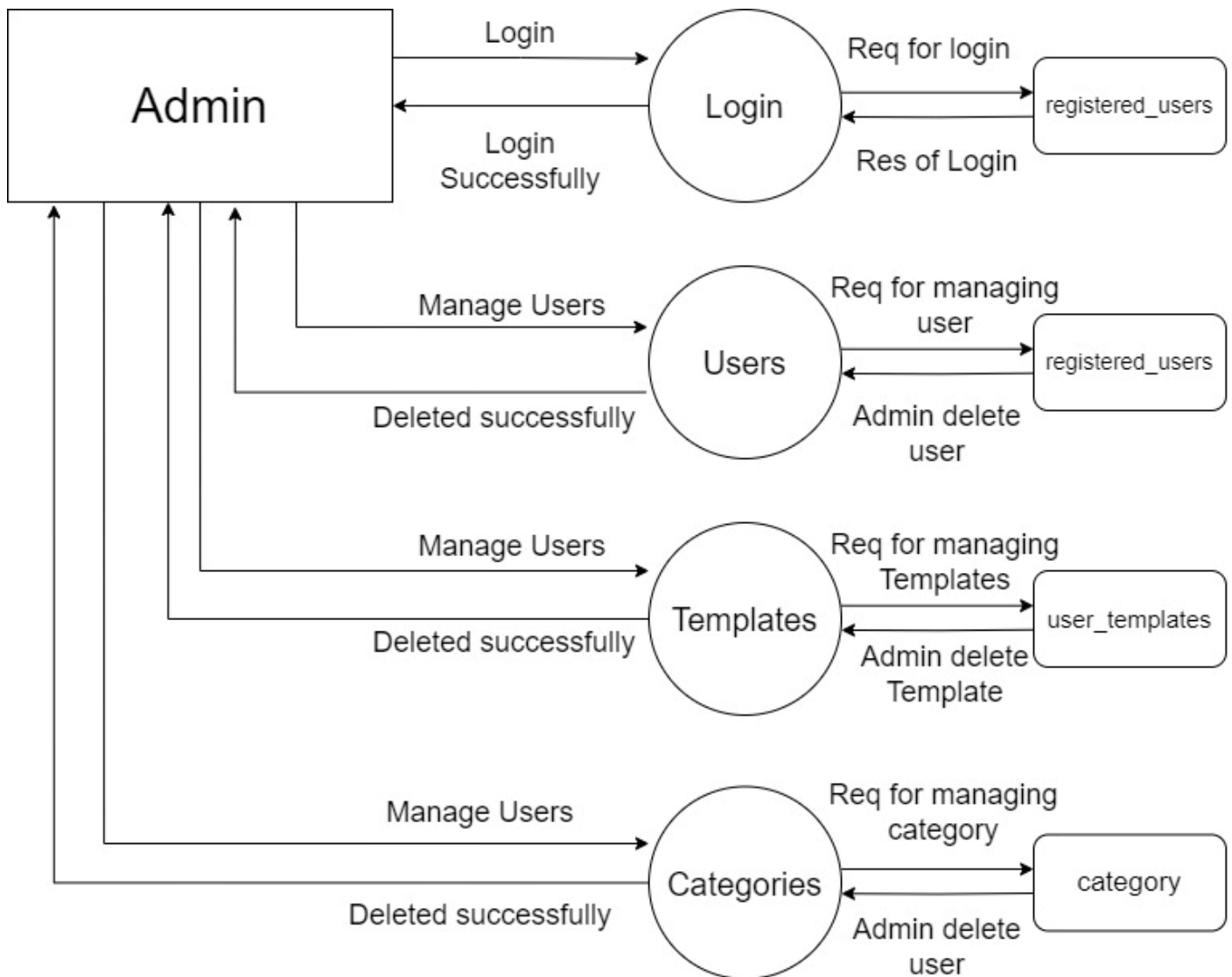
# Data Flow Diagram

- Data flow diagrams shows the way information flows through a process or systems. It includes data inputs and output, data store, and various sub process the data move through. DFD are built using standardized symbols and notations to describe various entities and their relationship.
- Data flow diagrams visually represent system and process that would be hard to describe in the chunk of text you can use this diagram to map out an existing system and make it better or to plan out a new system for implementation. Visualizing each element make it easy to identify inefficiencies and produce best possible systems.

## 0 Level DFD

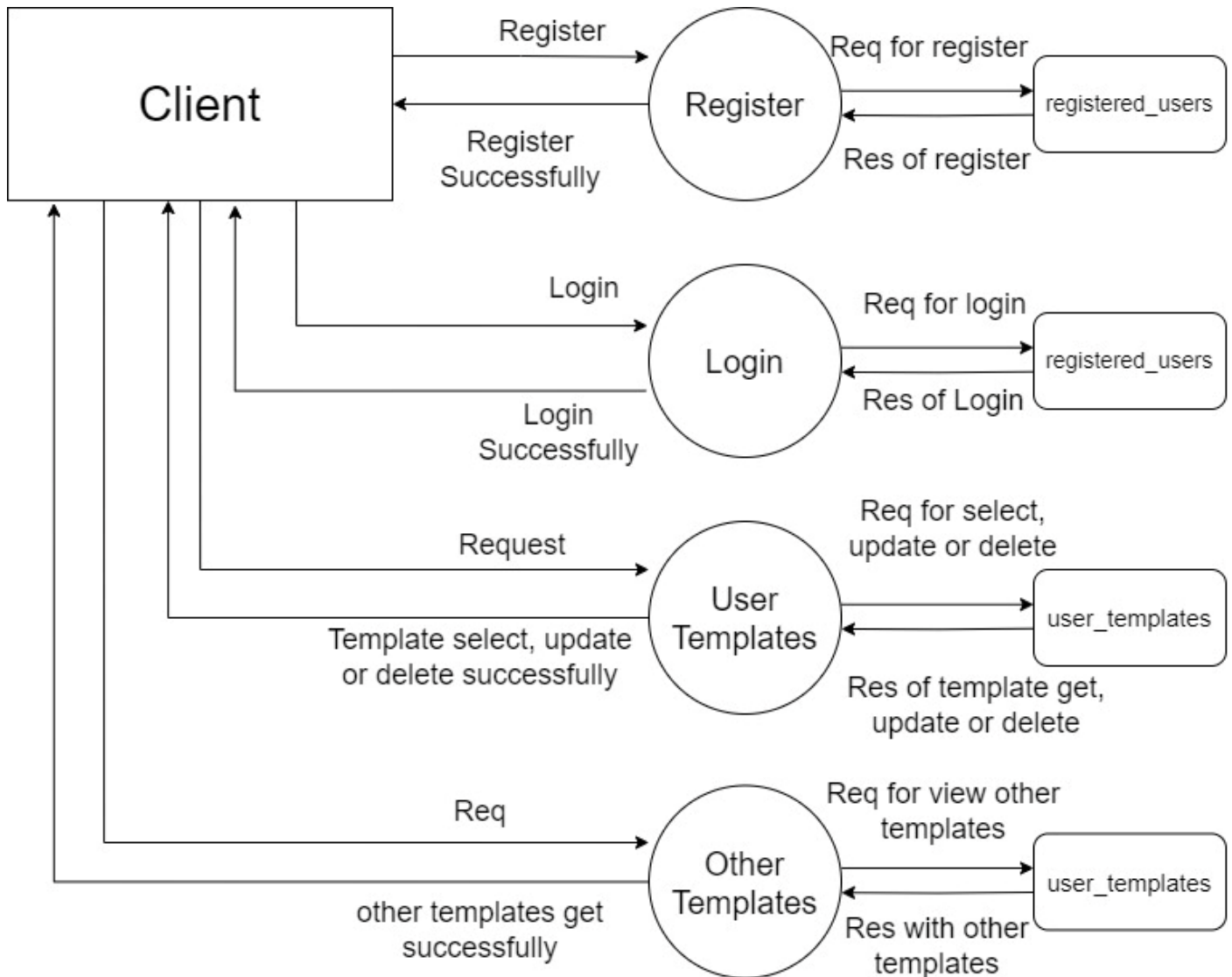


# Admin Level DFD





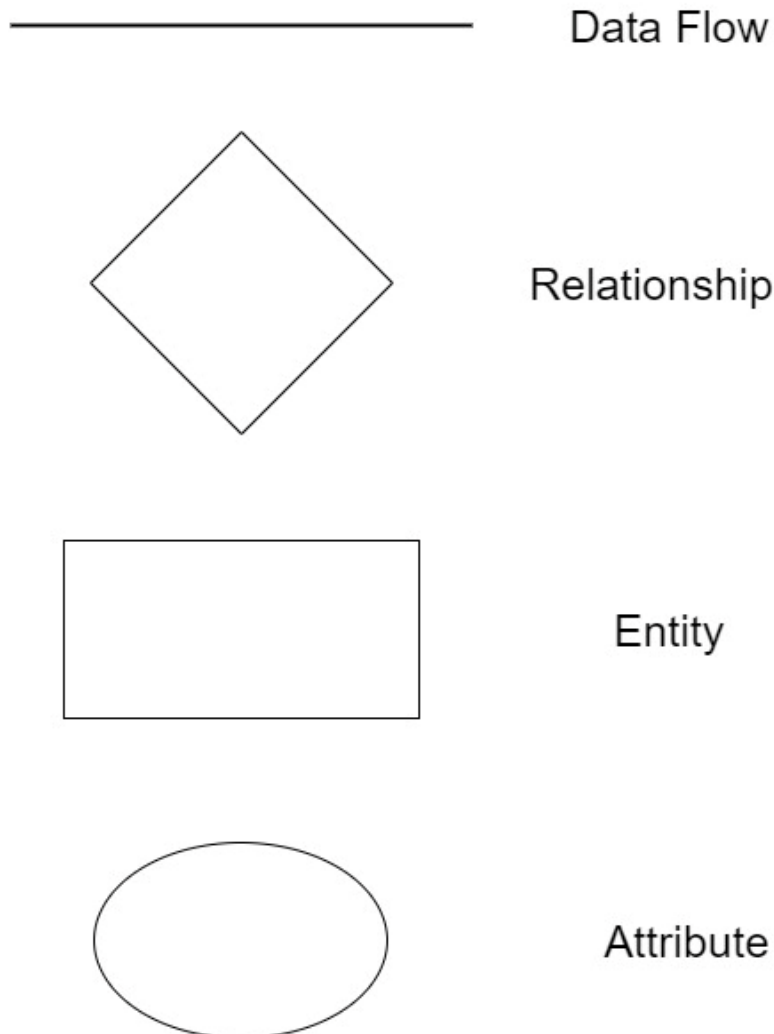
# Client Level DFD

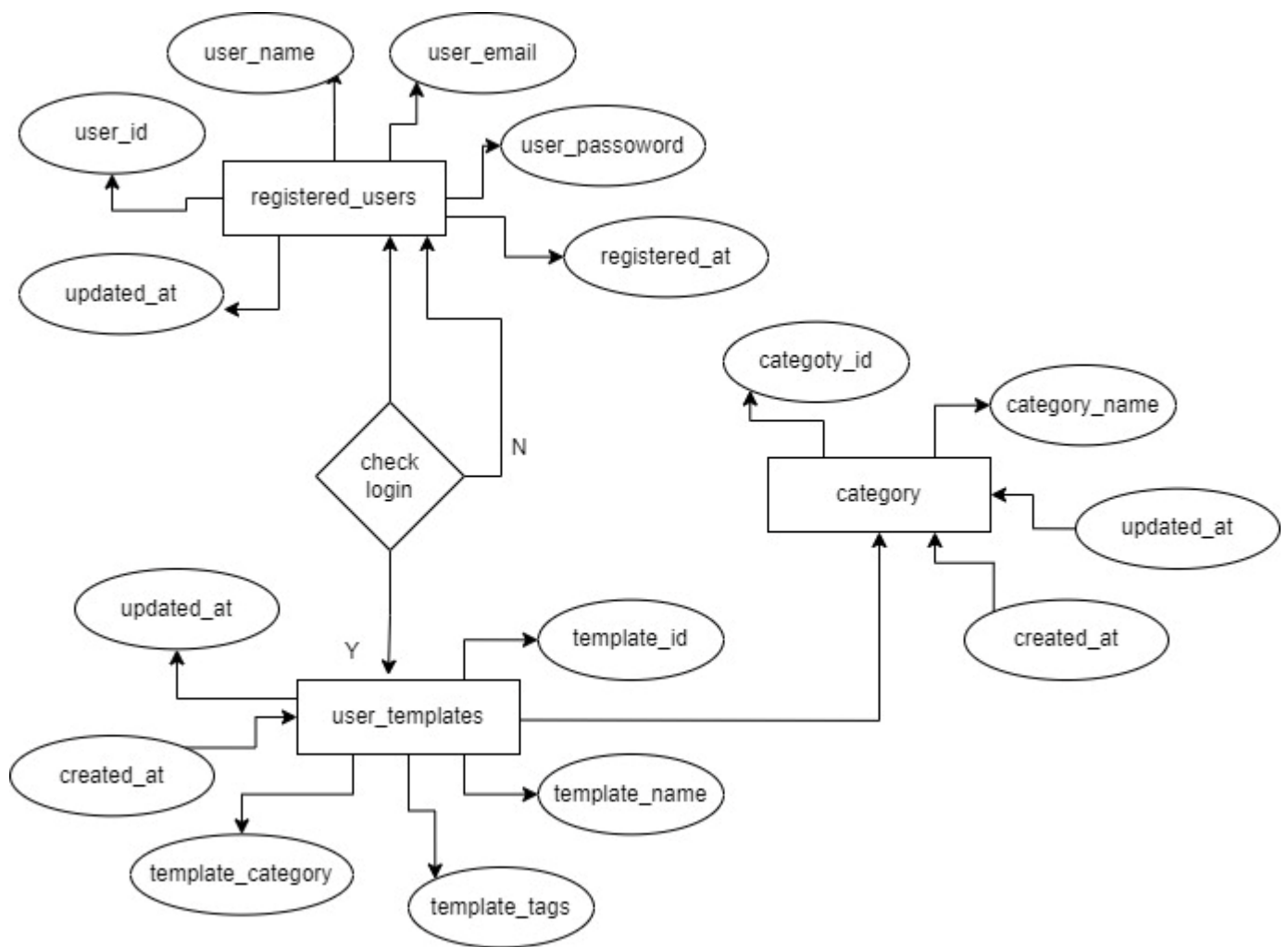


# E.R Diagram

- Entity relationship diagram, also an ER Diagram or ER model, is a chart that visually represents the relationship between database entities. An ER Diagram contains different symbols and connector that visualize two information. The major entities within the systems scope and the inter relationship among these entities.

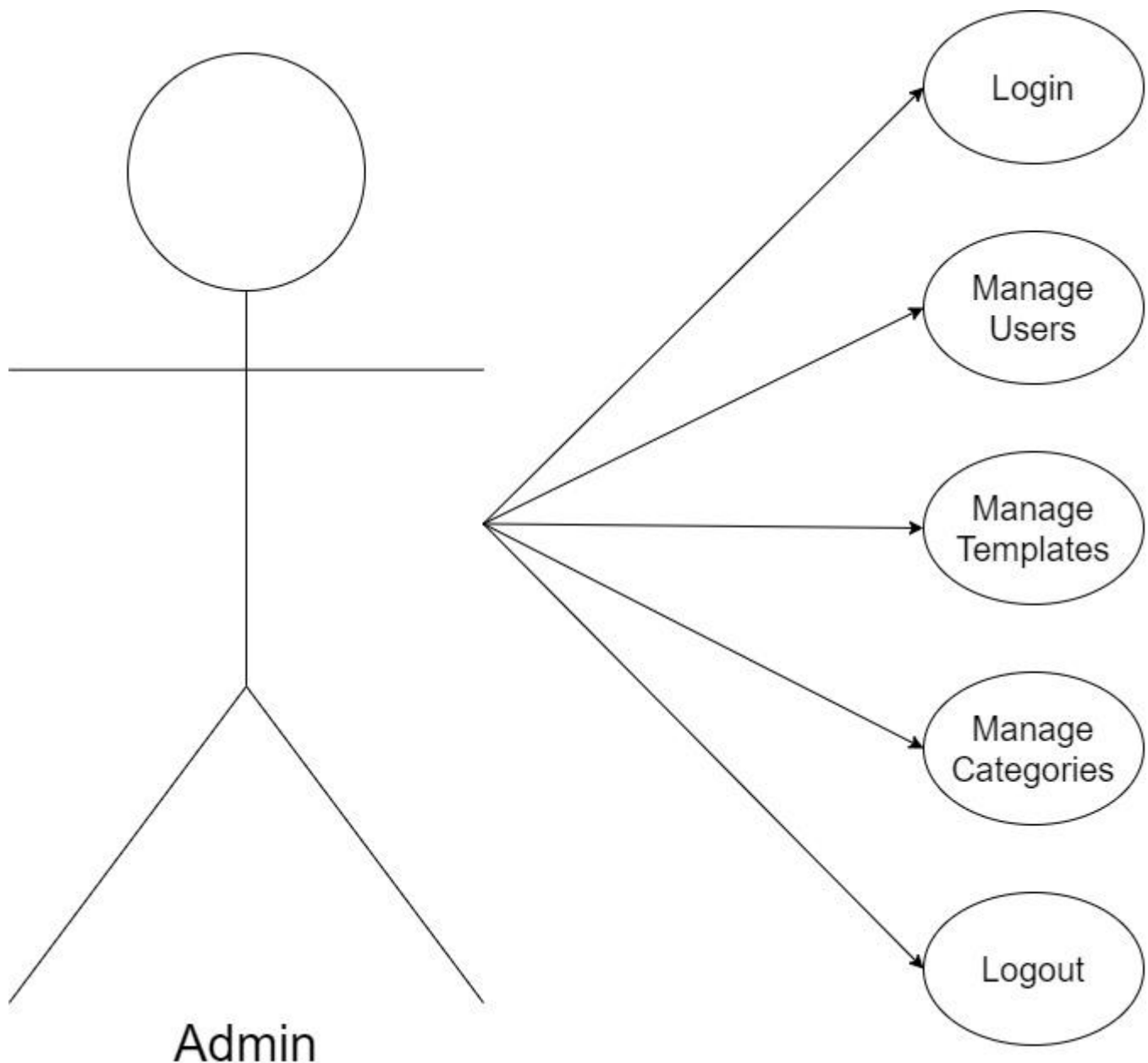
## Symbols:



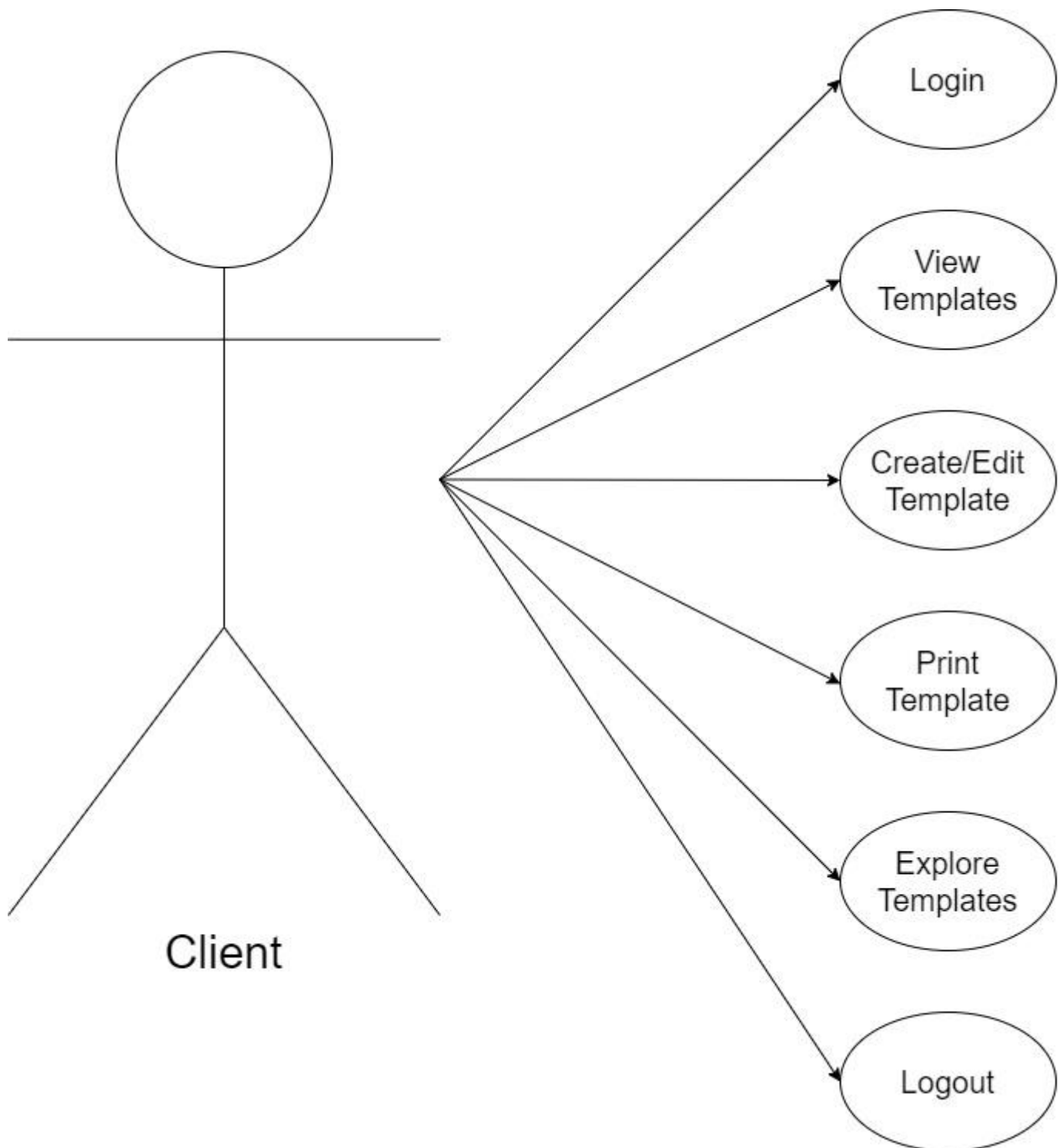


# Use Case Diagram

## Use case for Admin

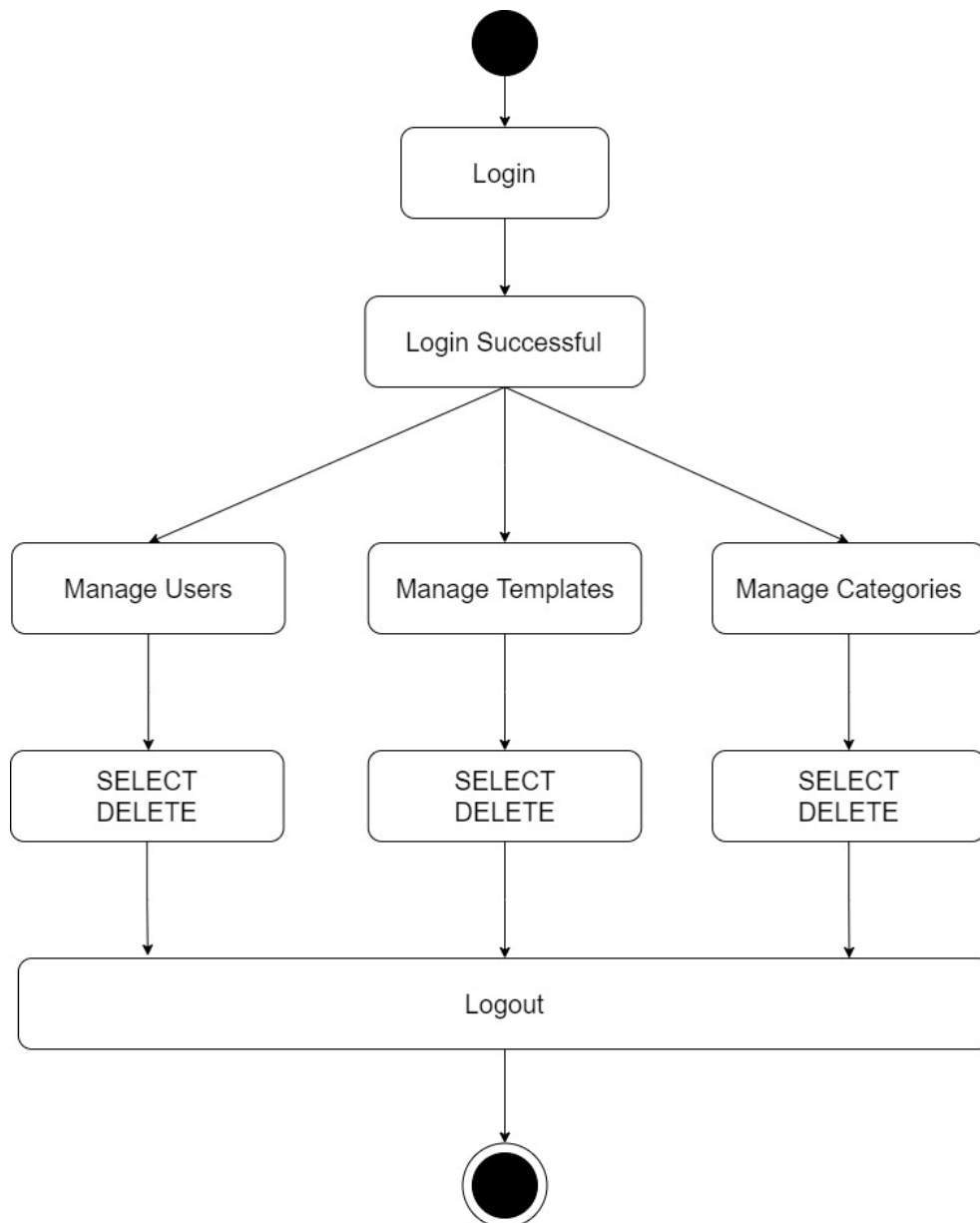


# Use case for Client

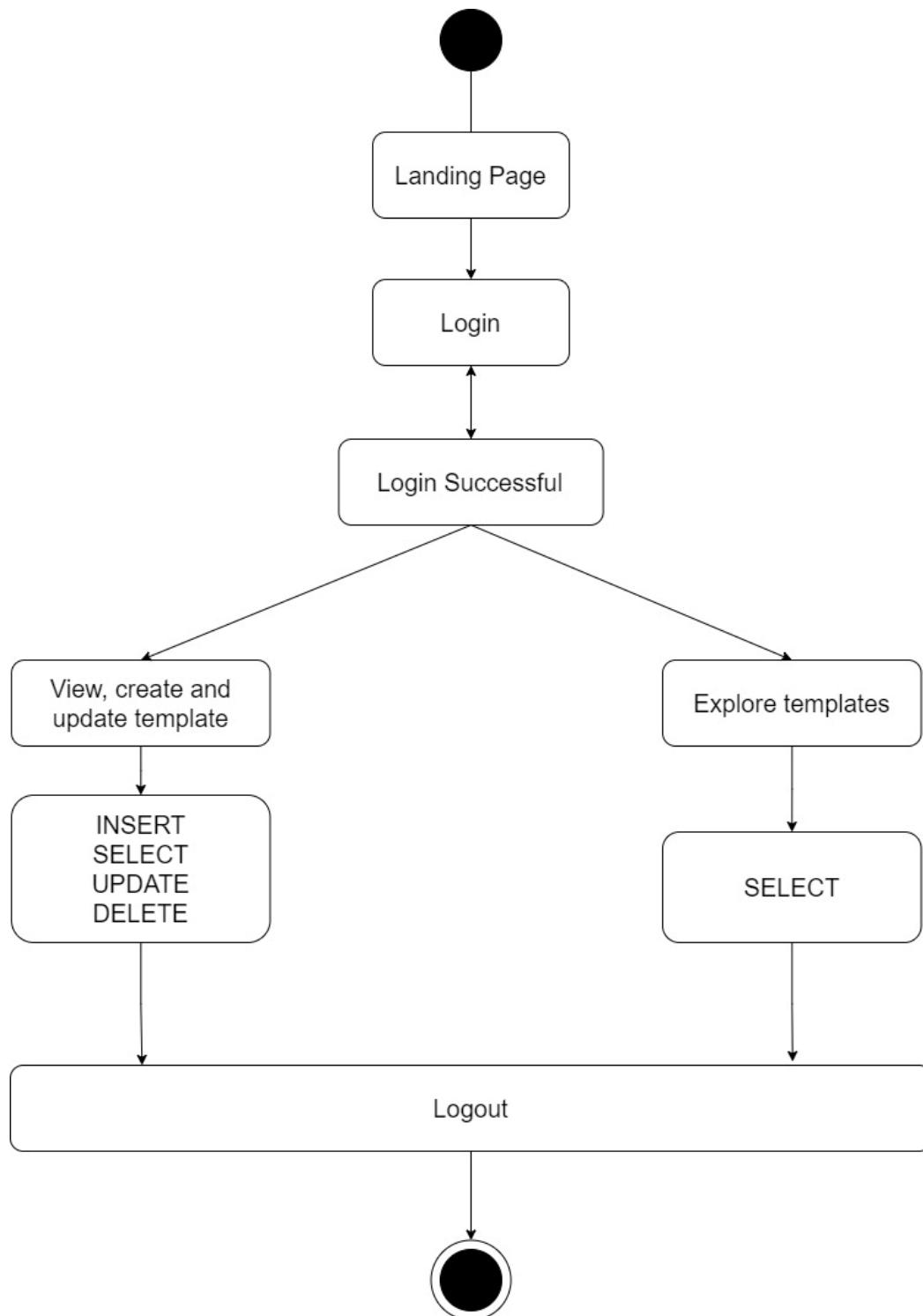


# Activity Diagram

## Admin Activity Diagram



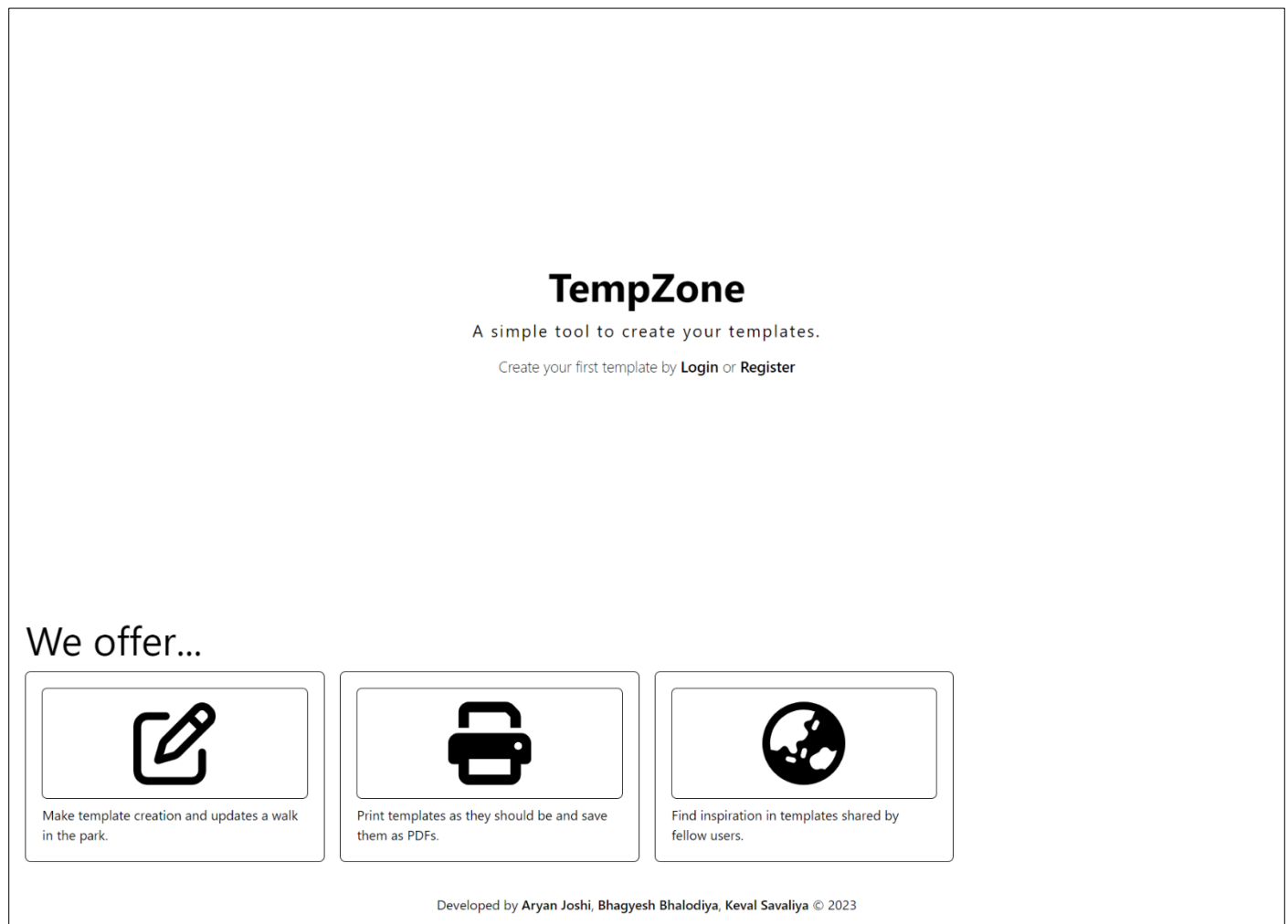
# Client Activity Diagram



# System Design

## Client Design

### Landing Page





# Login Page



## Welcome back!

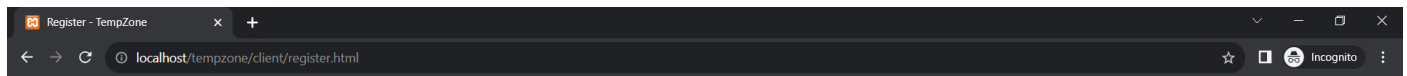
Email \*

Password \*

Login

New here!? Then [Register](#) na!

# Register Page



### New here!?

Username \*

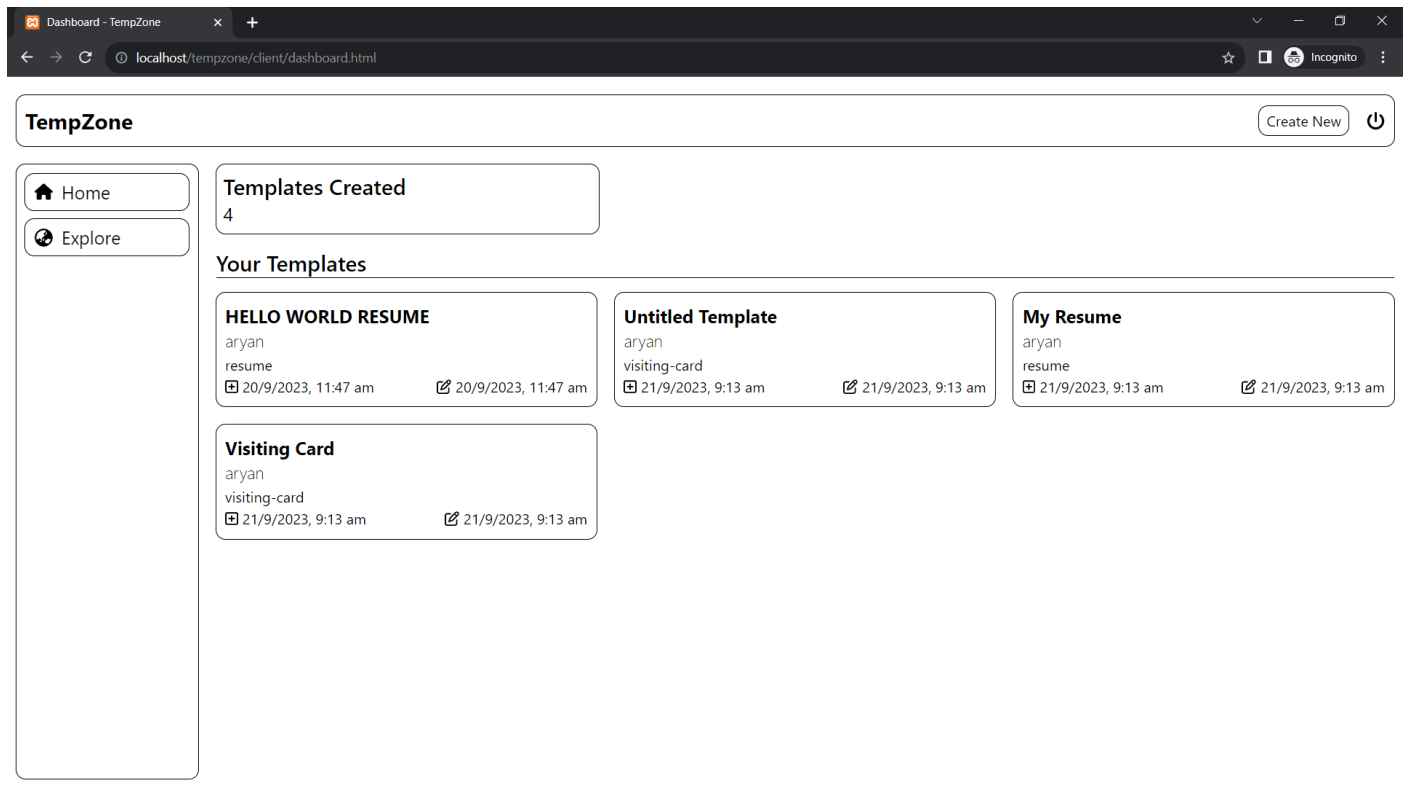
Email \*

Password \*

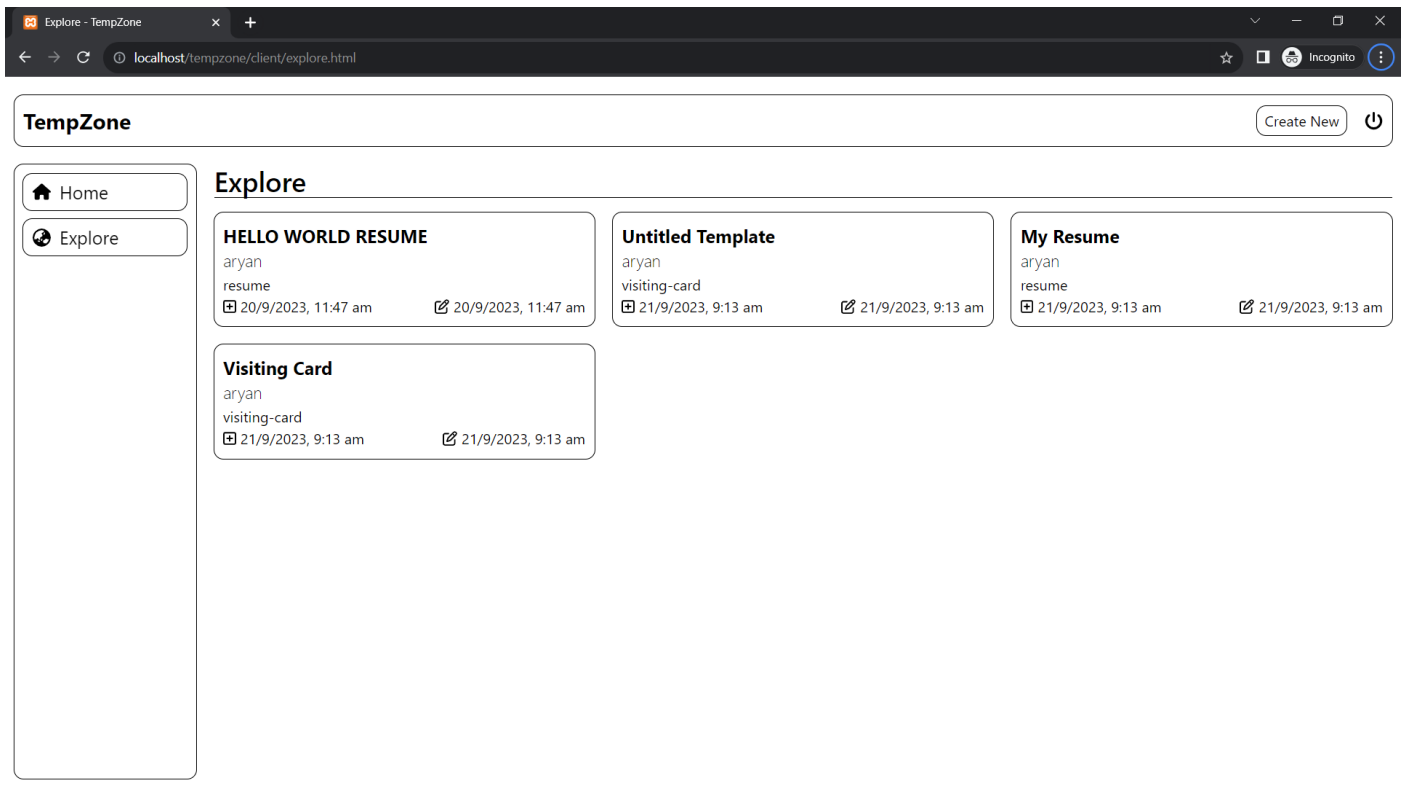
[Register](#)

Have account!? Then [Login](#) na!

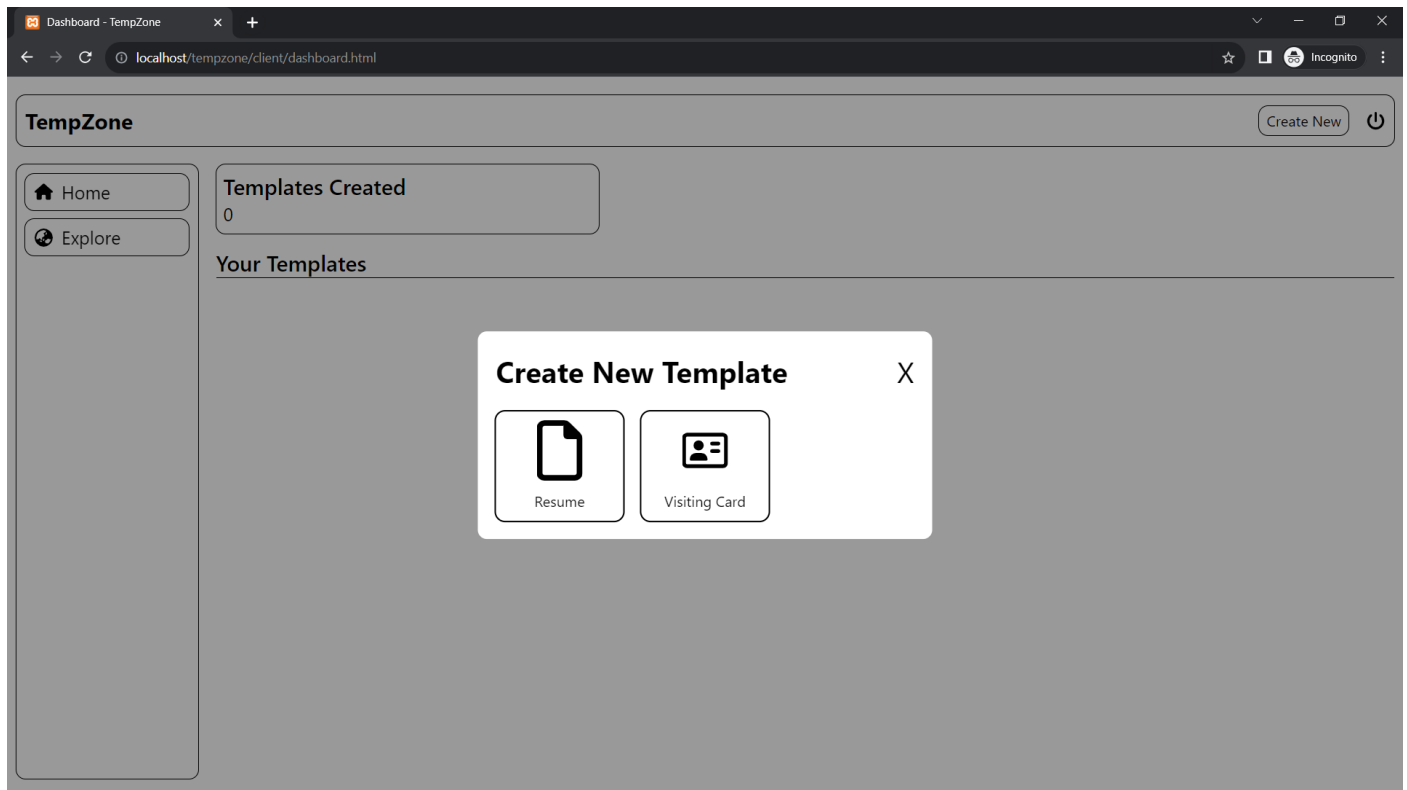
# Dashboard Page



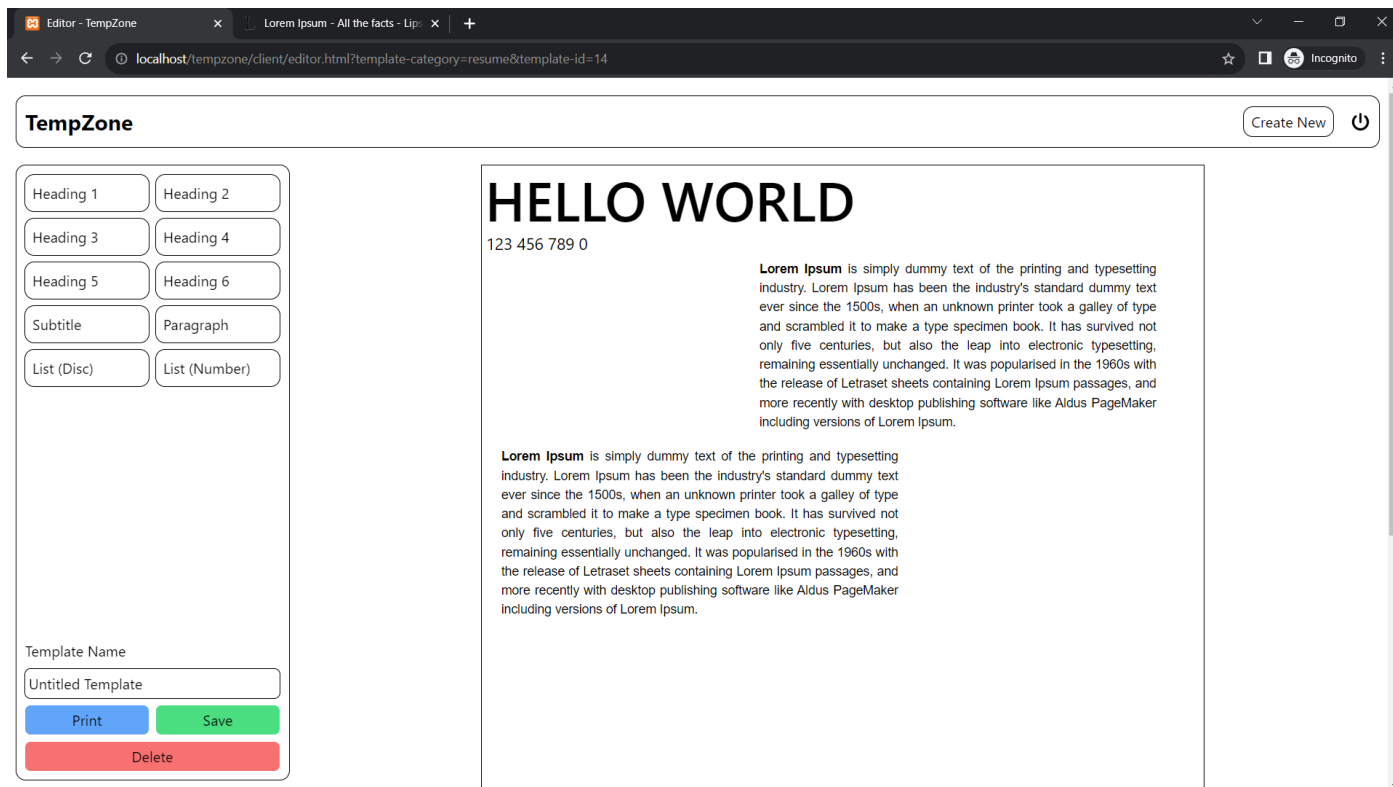
# Explore Page



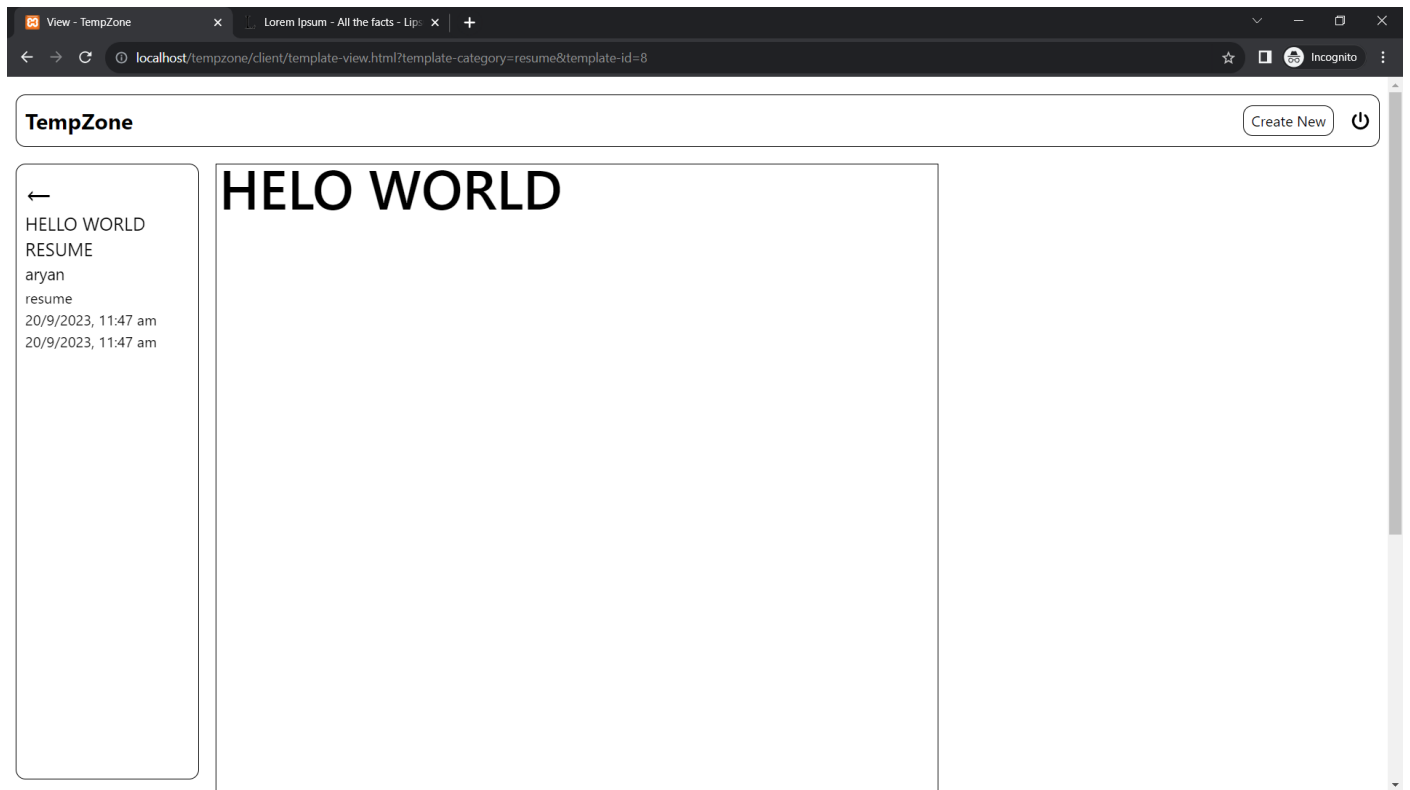
# Create New Template Dialog



# Editor Page

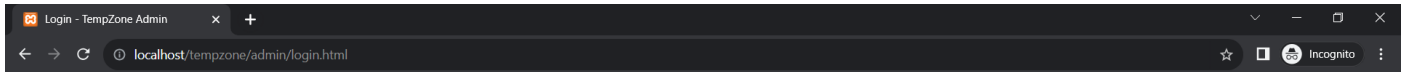


# Template View Page



# Admin Design

## Login Page



### Hello Admin!

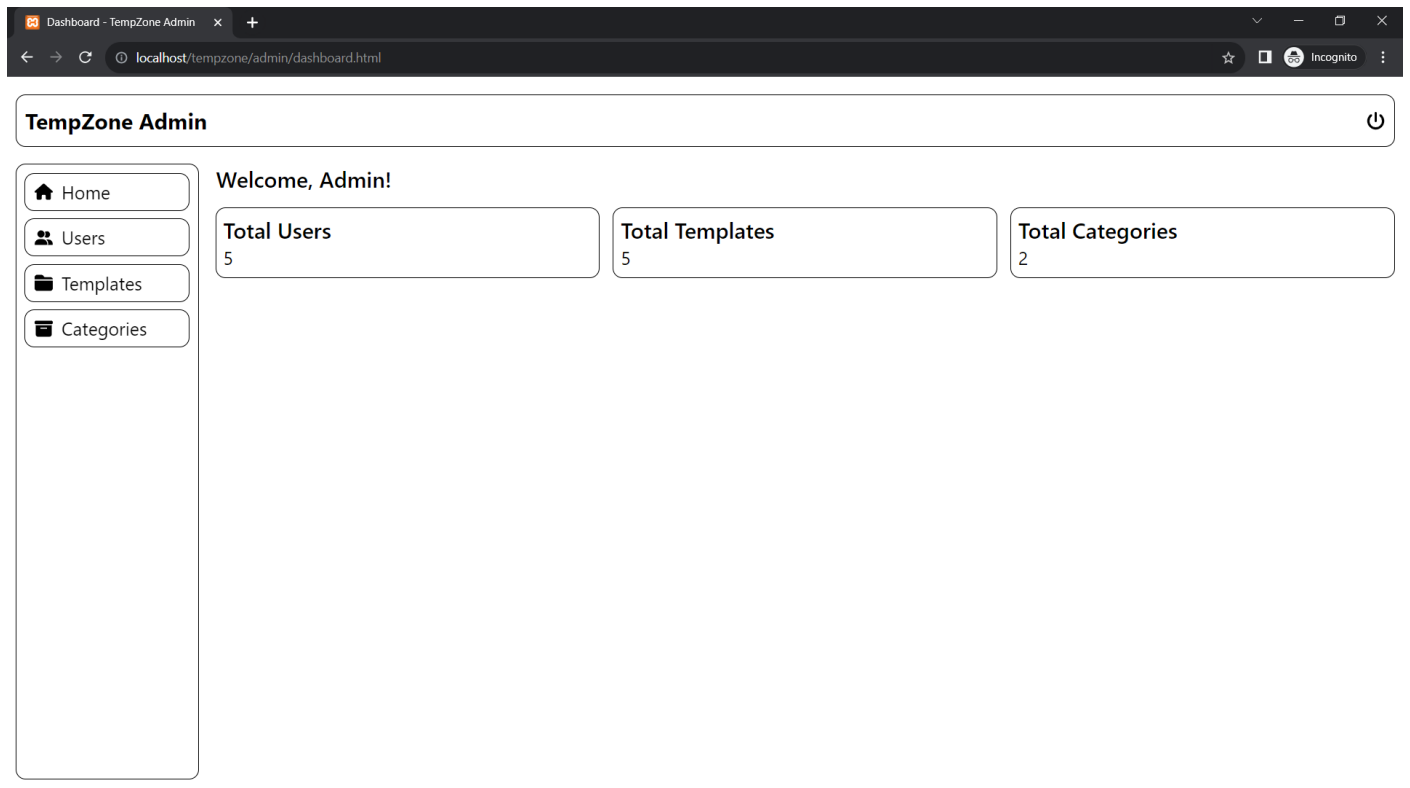
Email \*

Password \*

Login



# Dashboard Page



# Users Page

Users - TempZone Admin

localhost/tempzone/admin/users.html

Incognito

TempZone Admin

Home

Users

Templates

Categories

### Users

Id	Name	Email	Registered At	Updated At	Action
3	aryan	aryan@gmail.com	20/9/2023, 11:47 am	20/9/2023, 11:47 am	
4	newuser	new@gmail.com	20/9/2023, 11:49 am	20/9/2023, 11:49 am	
5	new user	user@gmail.com	21/9/2023, 9:36 am	21/9/2023, 9:36 am	
6	latestuser	latest@gmail.com	21/9/2023, 9:36 am	21/9/2023, 9:36 am	
7	freshuser	fresh@gmail.com	21/9/2023, 9:37 am	21/9/2023, 9:37 am	
Total Users		5			

# Templates Page

Templates - TempZone Admin

localhost/tempzone/admin/templates.html

Incognito

TempZone Admin

Home

Users

Templates

Categories

## Templates

Id	Name	Category	Creator	Created At	Updated At	Action
8	HELLO WORLD RESUME	resume	aryan	20/9/2023, 11:47 am	20/9/2023, 11:47 am	
11	Untitled Template	visiting-card	aryan	21/9/2023, 9:13 am	21/9/2023, 9:13 am	
12	My Resume	resume	aryan	21/9/2023, 9:13 am	21/9/2023, 9:13 am	
13	Visiting Card	visiting-card	aryan	21/9/2023, 9:13 am	21/9/2023, 9:13 am	
14	Untitled Template	resume	newuser	21/9/2023, 9:29 am	21/9/2023, 9:29 am	
Total Templates		5				

# Categories Page

Categories - TempZone Admin

localhost/tempzone/admin/categories.html

Incognito

TempZone Admin

Home

Users

Templates

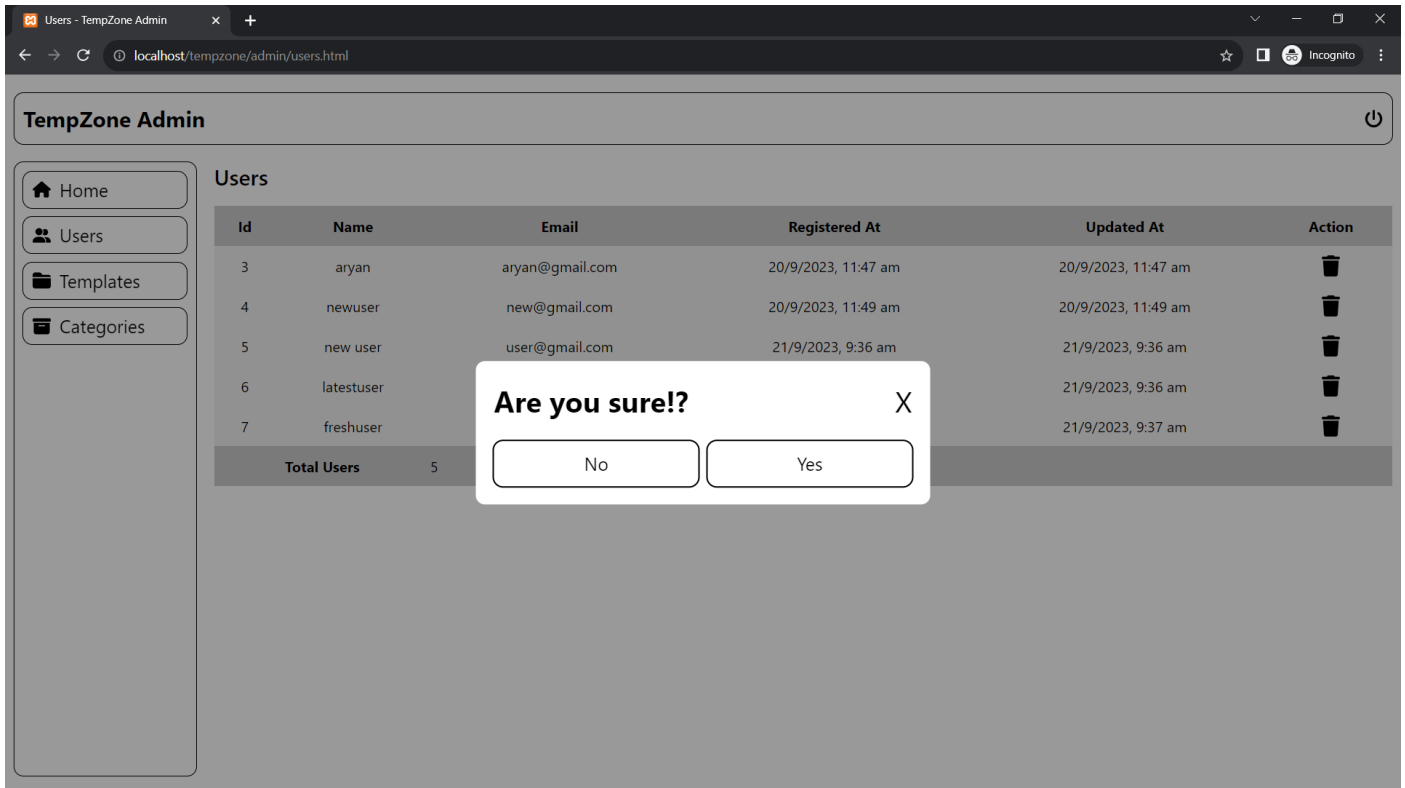
Categories

### Categories

Id	Name	Created At	Updated At	Action
1	resume	20/9/2023, 6:38 am	20/9/2023, 6:38 am	
2	visiting-card	20/9/2023, 6:38 am	20/9/2023, 6:38 am	
Total Categories		2		

localhost/tempzone/admin/categories.html

# Delete Confirmation Dialog



# Conclusion

TempZone is a user-centric web platform designed for streamlined template management. It simplifies the creation and modification of templates, including resumes and business cards. It incorporates user-friendly features like drag-and-drop elements and a printing function, making template editing and printing hassle-free. The Explore page allows users to browse through others' resumes for inspiration and guidance.

# Bibliography

I would like to express my sincere gratitude to several websites that played an invaluable role throughout the development process. First and foremost, a big thank you to Canva, whose highly inspiring platform served as a model and source of inspiration as we built a tool similar to it. Additionally, MDN Web Docs, Stack Overflow, GitHub, and Font Awesome were constant companions, providing essential guidance, resources, and tools that streamlined our development journey. Together, these online resources were instrumental in the success of this project, and I am deeply thankful for their support and contribution.

<https://www.canva.com/>

<https://stackoverflow.com/>

<https://github.com/>

<https://developer.mozilla.org/>

<https://fontawesome.com/icons>

# Testing

Testing is the critical element of software quality assurance & represents the ultimate review of specifications design and code generation.

No.	Scenario	Action	Expected output	Actual output	Result
1	Login	User forgets to enter credentials	Response with error code 403 and message "Please provide credentials"	Response with error code 403 and message "Please provide credentials"	PASS
		User enters right credentials	Success response and redirect to dashboard	Success response and redirect to dashboard	PASS
2	Register	User forgets to enter credentials	Response with error code 403 and message "Please provide credentials"	Response with error code 403 and message "Please provide credentials"	PASS
		User enters existing username/email	Response with error code 303 and message "Username/Email already exists"	Response with error code 303 and message "Username/Email already exists"	PASS
		User enters right credentials	Success response and redirect to dashboard	Success response and redirect to dashboard	PASS
3	Access	User tries to access API without authorization token	Response with error code 401 and message "Unauthorized"	Response with error code 401 and message "Unauthorized"	PASS

# Project Report

<b>Project Name</b>	TempZone
<b>Faculty Name</b>	Prof. Nilam Kathrotia
<b>Team Members Name</b>	Aryan Joshi Bhagyesh Bhalodiya Keval Savaliya

No.	Start date	End date	Tasks	Faculty sign	Student sign
1	07/07/2023	15/07/2023	Information Gathering		
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6	04/09/2023	10/09/2023	Implementation and Testing		
7	11/09/2023	14/09/2023	Documentation		