



# Certigen

**Presented By**  
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# Introduction

Certigen is a web-based application that is designed to simplify the process of creating certificates for educational institutions, training programs, events, and achievements.

Creating certificates manually is very time-consuming, prone to have errors. Certigen address these issues by allowing users/customers to select templates, than upload their file and easily generate certificate .

With the help of Certigen, organizations, institute can save their time, maintain consistency, and easily distribute certificates digitally or in print.



# Problem Statement



- Manual certificate creation is repetitive and error-prone.
- It can also leads to inconsistent designs and formatting.
- Managing large-scale certificate generation



# Proposed System

For generating any kind of certificates ,user has to register first then after login user will be able to see all free and premium templates and according to their need the can chose any one of the templates by uploading their excel file system automatically generates the certificate. Later they can print or create the pdf as per their need.

Apart from this ,user can also share their experience after using this website as well as can do contact with admin in case of any doubt or confusion.



# Objective & Scope

## Objectives:

- Automate certificate generation for free and premium templates using data from Excel files.
- Enable management of customizable certificate templates.
- Generate accurate and well-formatted PDF certificates.
- Allow users to update personal profiles and contact admin.

## Scope:

- PDF generation from Excel data mapped to template placeholders.
- Feedback and contact modules for user interaction.
- Suitable for use in schools, colleges, webinars, and corporate training programs.



# Software Requirement

**Client Side : Any modern web browser**

**Developer Side: IDE**

**: Visual Studio Code**

**Programming Language : Python**

**Framework : Django**

**Database : SQLite**

**Operating System : Windows**





# Hardware Requirement

## Client Side:

**Any updated machine with internet connection**

## Developer Side:

**Processor : Core i5**

**RAM : 8 GB minimum**

**Storage : 500 GB**

**High-resolution display and stable internet**

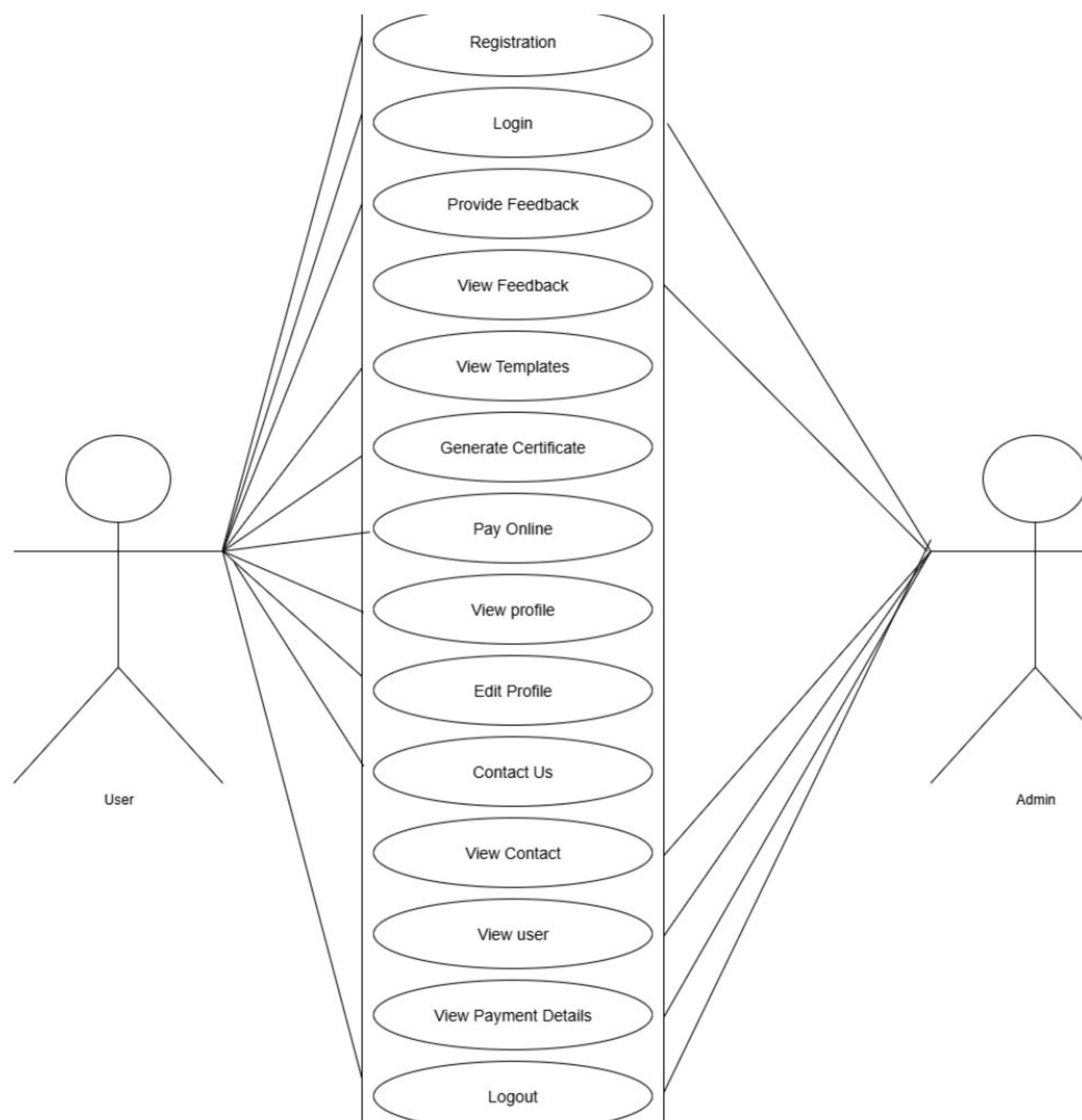


# Modules

- **Registration Management:** Allows new users to register with their basic details.
- **Login Management:** Enables secure login using email and password.
- **Profile Management:** Users can update their profile information including name and picture.
- **Template Management:** Portal will provide premium and Free templates for users.
- **UPI Payment Management:** For Using premium templates user has to pay online for accessing them.
- **Certificate Generator Management:** User can upload Excel or CSV files, and the system auto-generates certificates in PDF format using the selected template.
- **Print Management:** Users can print the generated certificates.
- **Feedback Management:** Users can provide feedback to improve the service.
- **Contact Management:** Users can send messages to the admin for assistance.

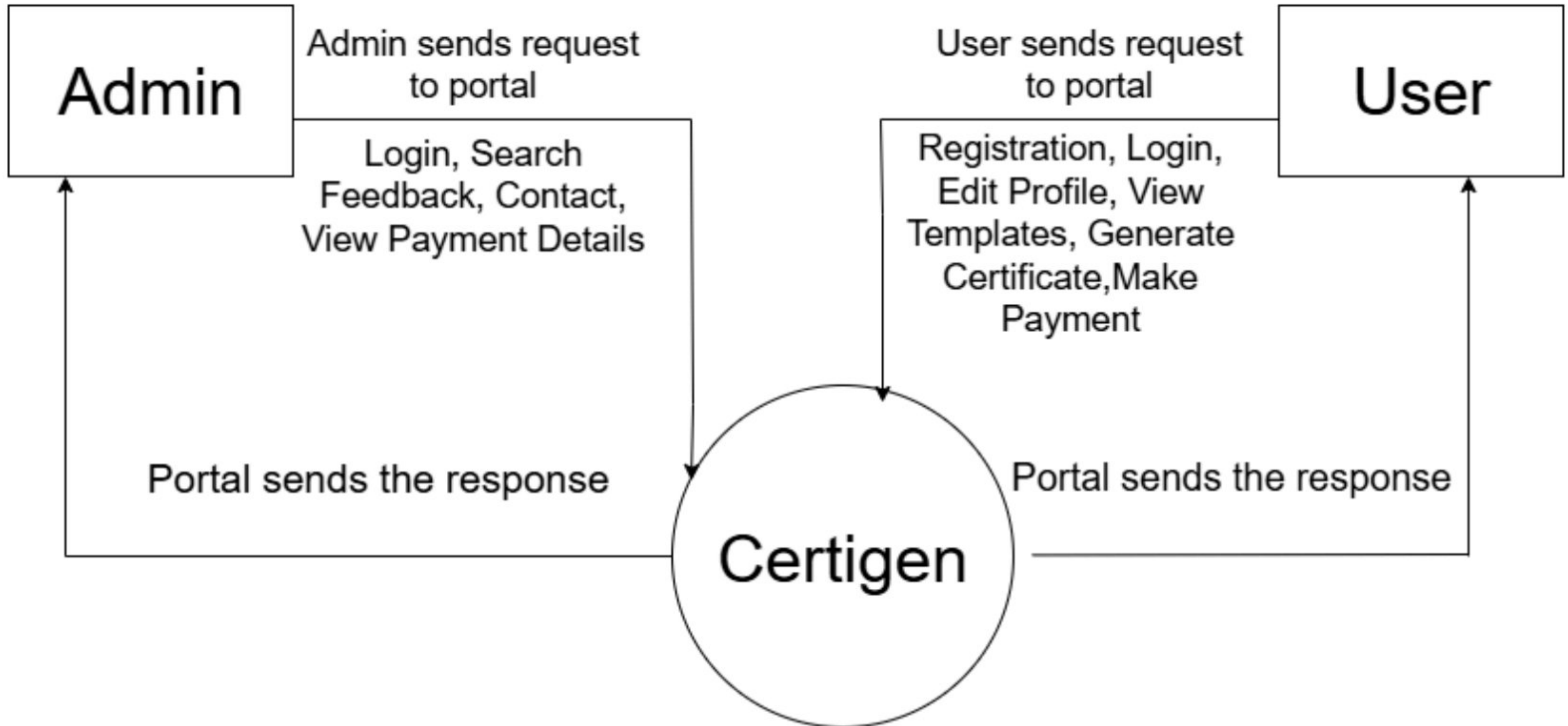


# Use Case Diagram



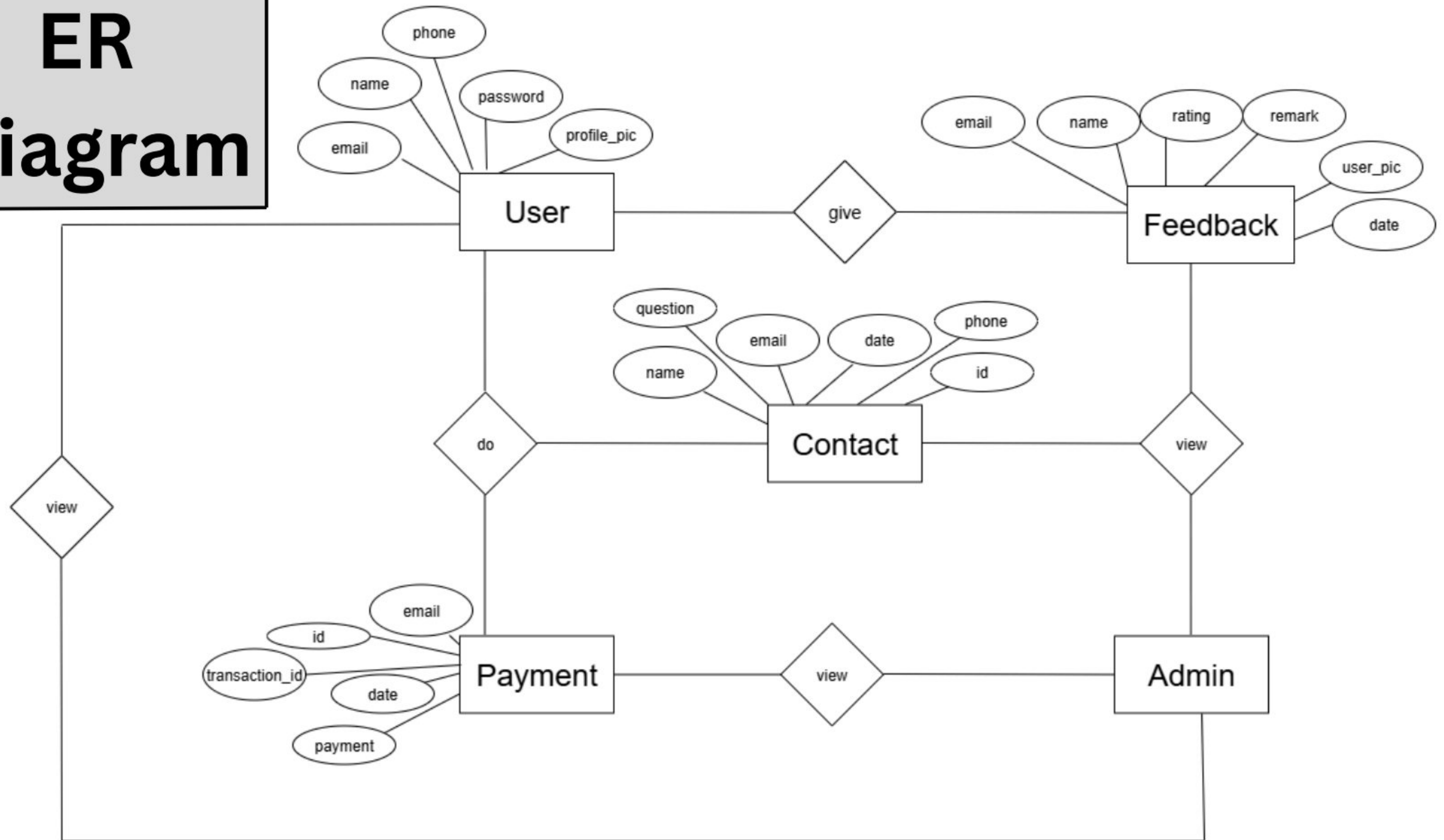


# Zero Level DFD











# ER Diagram





# Tables

## Feedback Table

Table						
certi_app_feedback						
▼ Advanced						
Fields	Index Constraints	Foreign Keys	Check Constraints			
 Add	 Remove	 Move to top	 Move up	 Move down	 Move to bottom	
Name	Type	NN	PK	AI	U	Default
email	varchar(50) ▼	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
name	varchar(60) ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
rating	varchar(5) ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
remark	TEXT ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
user_pic	varchar(255) ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
date	date ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



# Payment Table

Table

certi\_app\_paymentdetail


▼ Advanced


Fields


Index Constraints


Foreign Keys


Check Constraints


 Add

 Remove

 Move to top

 Move up

 Move down

 Move to bottom

Name	Type	NN	PK	AI	U	Default
id	INTEGER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
user_email	varchar(55)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
payment_status	varchar(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
transaction_id	varchar(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
date	date	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	




# User Table


Table


certi\_app\_user


▼ Advanced


FieldsIndex ConstraintsForeign KeysCheck Constraints


 Add

 Remove

 Move to top

 Move up

 Move down

 Move to bottom

Name	Type	NN	PK	AI	U	Default
name	varchar(60) ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
email	varchar(60) ▼	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
password	varchar(45) ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
phone	varchar(13) ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
pic_name	varchar(100) ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	









# Contact Table

Table

certi\_app\_contact\_us

▼ Advanced

FieldsIndex ConstraintsForeign KeysCheck Constraints

 Add  Remove  Move to top  Move up  Move down  Move to bottom

Name	Type	NN	PK	AI	U	Default
id	INTEGER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
email	varchar(50)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
name	varchar(60)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
phone	varchar(13)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
question	TEXT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
date	date	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



# Output Screen

## Home Page





# About Us Screen



[Home](#) [About Us](#) [Contact Us](#) [Registration](#) [Login](#) [User\\_Reviews](#)

## About Us

Welcome to CertiGen — a smart and reliable certificate generation platform built to simplify the process of creating, managing, and distributing digital certificates for educational institutions, training centers, and professional events.

## Our Purpose

CertiGen was created to eliminate the time-consuming and error-prone process of manual certificate design. We aim to provide a seamless solution for organizations that need to issue digital certificates at scale — quickly, accurately, and professionally.

## Who Is This Platform For?

- Colleges and Universities
- Schools and Coaching Institutes
- Online Course Providers
- Workshops, Seminars, and Event Organizers

## What We Offer

- Easy certificate generation from templates
- Dynamic data entry
- Print-ready downloads with unique certificate numbers

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# Contact us Page

**FEEL FREE TO CONTACT US**

NAME

ENTER YOUR NAME

EMAIL

ENTER YOUR EMAIL

PHONE NUMBER

ENTER YOUR PHONE NUMBER

QUERY

Submit

# Login Page

**USER LOGIN**

Email

ENTER YOUR EMAIL

Password

ENTER YOUR PASSWORD

Submit

# Registration Page

**REGISTER YOURSELF HERE**

NAME

ENTER YOUR NAME

EMAIL

ENTER YOUR EMAIL

PASSWORD

ENTER YOUR PASSWORD

PHONE NUMBER

ENTER YOUR PHONE NUMBER


Profile\_Pic

Choose file No file chosen

submit



# User Home Page



Hello: Abhikalpa  
Email: user1@gmail.com  
Phone: 7634329842

## Templates

### FREE CERTIFICATES



☐ Completion



☐ Appreciation



☐ Participation

### PREMIUM CERTIFICATES



### YOUR FEEDBACK IS IMPORTANT

NAME

Abhikalpa

EMAIL

user1@gmail.com

REMARK

CHOOSE YOUR OPTION Rate Here

submit

# Feedback Page



# Profile Modification Page

Edit Your Profile



Choose file

No file chosen

Email:user1@gmail.com

Hello:

Abhikalpa

Phone:

7634329842

Edit

## User Review



Rating:★★★★★  
Remark:VERY GOOD WEBSITE  
Posted By:Aditi



Rating:★★★★★  
Remark:I love it this website help me to  
generate so many certificates  
Posted By:Abhikalpa



Rating:★★★★★  
Remark:It's a good website u can use it if u  
want to generate certificate  
Posted By:Akshat

# Review Page



# Limitation and Future

## Limitations

1. Limited certificate templates and design options.
2. May face performance issues with very large data sets.
3. Requires internet connection; no offline support.

## Future Scope

1. Develop a mobile app version for easy access.
2. The website can be improved to make certificates in different languages.
3. Deploy on scalable cloud platforms for large organizations and events



# Conclusion

The project Certigen – Certificate Generator Website has been developed to simplify the process of creating certificates. It provides an easy platform where certificates can be generated quickly, accurately, and with less manual effort. This system not only saves time but also ensures uniformity and professionalism in certificate design. It has strong potential for future development with features like mobile app support, and multilingual functionality..