

# CONFERA

## ONLINE CONFERENCE MANAGEMENT SYSTEM

A PROJECT REPORT SUBMITTED IN PARTIAL  
FULFILMENT OF REQUIREMENT  
FOR THE AWARD OF THE DEGREE  
MASTER OF COMPUTER APPLICATION (MCA)

OF

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

BY

**Dev Nand Nair**

**Reg No : 22PMC121**



**MARIAN COLLEGE  
KUTTIKKANAM**

(AUTONOMOUS)

MAKING COMPLETE

**Marian College Kuttikkanam Autonomous**

Peermade, Kerala – 685 531

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**Under the guidance of**

**Ms.Kochumol Abraham**

**Assistant Professor**

PG Department of Computer Applications

Marian College Kuttikkanam Autonomous



MAKING COMPLETE

**Marian College Kuttikkanam (Autonomous)**

**Peermade, Kerala – 685 531**

# **PG DEPARTMENT OF COMPUTER APPLICATIONS**

## **Marian College Kuttikkanam Autonomous**

**MAHATMA GANDHI UNIVERSITY, KOTTAYAM**

**KUTTIKKANAM – 685 531, KERALA.**

### **CERTIFICATE**

This is to certify that the project work entitled

#### **CONFERA**

is a bonafide record of work done by

**Dev Nand Nair**

**Reg No : 22PMC121**

In partial fulfillment of the requirements for the award of Degree of

#### **MASTER OF COMPUTER APPLICATIONS [MCA]**

During the academic year 2022-2023

**Ms. Kochumol Abraham**

Assistant Professor

PG Department of Computer Applications

Marian College Kuttikkanam Autonomous

**Mr Win Mathew John**

Head of the Department

PG Department of Computer Applications

Marian College Kuttikkanam Autonomous

Examiner

Examiner

## **ACKNOWLEDGEMENT**

I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals. I would like to extend my sincere thanks to all of them.

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I express my deep sense of gratitude to my project guide, MS.KOCHUMOL ABRAHAM, Associate Professor/Assistant Professor, PG Department of Computer Applications, for her profound guidance for the successful completion of this project work.

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Finally, I express my deep appreciation to all my friends and family members for the moral support and encouragement they have given to complete this project work successfully.

**DEV NAND NAIR**

## **ABSTRACT**

The conference management system is a web-based platform designed to streamline the process of organizing and attending conferences. It provides users with features such as conference listings, online registration and booking, venue management, payment integration, and user profile management. The system aims to simplify the conference management workflow, enhance user experience, and improve overall efficiency. By automating tasks and providing convenient tools, the system facilitates seamless communication, efficient resource allocation, and easy access to conference information. With its user-friendly interface and comprehensive functionalities, the conference management system offers a centralized platform for organizers and attendees to efficiently manage and participate in conferences

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# **1.INTRODUCTION**



## **1.1 PROBLEM STATEMENTS**

Traditional conference management processes often involve manual and time-consuming tasks, leading to inefficiencies and difficulties in organizing successful conferences. The lack of an automated and streamlined system makes it challenging for organizers to handle conference bookings, attendee registrations, user profiles, and conference modifications effectively. This creates a need for a comprehensive and efficient conference management system.

## **1.2 PROPOSED SYSTEM**

The proposed conference management system aims to address the inefficiencies and Challenges of traditional conference organizing processes by providing a comprehensive Automated platform for managing conferences. The system will streamline various tasks, Enhance organization, and optimize the conference.

## **1.3 FEATURES OF THE PROPOSED SYSTEM**

The features of this website are:

- Responsive website design.
- User-Friendly navigation.
- Page to choose conference hall .
- Centralized system for conference hall booking.
- Administrative Dashboard.

## **2.FUNCTIONAL REQUIREMENTS**

## FUNCTIONAL REQUIREMENTS

1. **User Registration:** Users should be able to register and create an account in the system.
2. **User Login:** Registered users should be able to log in to their accounts using their credentials.
3. **Conference Hall Booking:** Simplifies searching, booking, and managing conference halls based on requirements.
4. **Slot Availability:** The system should track and display the availability of conference halls in real-time.
5. **User Profile :** Users should be able to view their profiles including the booking history
6. **Admin Dashboard:** An administrative dashboard should be available for system administrators to manage venues, user accounts, and bookings.

## **3. NON FUNCTIONAL REQUIREMENTS**

## NON-FUNCTIONAL REQUIREMENTS

The non-functional requirements for this website are:

- Usability: The proposed website is simple, provides enough insight about features and packages, interactive, lets user select packages and schedule pick-ups and all this data is stored in the database.
- Reliability: The system must perform without failure in 95 percent of use cases during a month.
- Maintainability: The mean time to restore the system (MTTRS) following a system failure must not be greater than 10 minutes. MTTRS includes all corrective maintenance time and delay time.
- Availability: Describes how likely the system is accessible to a user at a given point in time. A user-friendly system with global accessibility should be available around-the clock. In the event that the database is corrupted or the hardware fails, a replacement page will appear. Additionally, a database backup should be kept in case of hardware failure or database corruption.
- Security: Database should be backed up every hour. Under failure, system should be able to come back at normal operation under an hour. All data must be stored, protected, or protectively marked.

## **4. THIRD-PARTY LIBRARIES**

## THIRD-PARTY LIBRARIES

Third-party applications and libraries in Django are pre-built components or packages developed by the community or other companies that you can use to extend the functionality of your Django projects. These libraries provide pre-built solutions for common tasks, saving developers time and effort in implementing certain features from scratch. They are designed to seamlessly integrate with Django and follow its best practices.

Third-party libraries can be installed using package managers like pip, and they usually come with their own documentation and examples to guide developers in their usage. These libraries can cover a wide range of functionalities

The third-party libraries used in this project are:

- **Django jazzmin:** Django Jazzmin is a third-party library for Django that provides an improved admin interface. It is a modern, responsive, and customizable replacement for Django's default admin interface, a drop-in app to jazz up your Django admin site, with plenty of things you can easily customize, including a built-in UI customizer.

# **5. FEATURES AND HIGHLIGHTS**



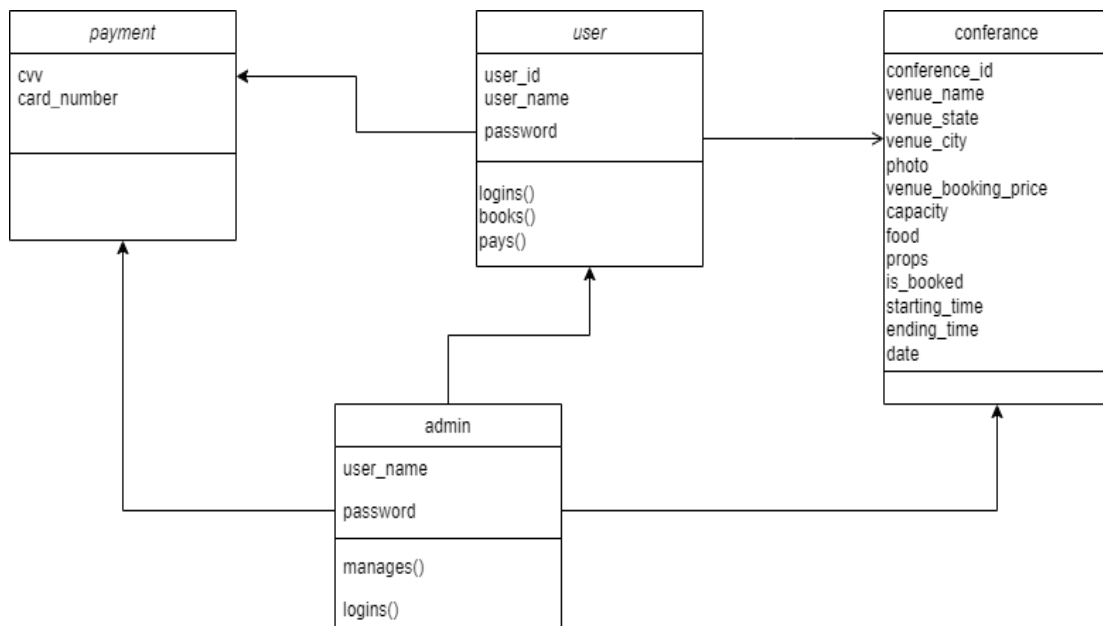
## **FEATURES AND HIGHLIGHTS**

- 1.Users can register and login into the system.
- 2.Users can search conference halls
- 3.Users can book conferences
- 4.Users can pay online for booking
- 5.User can view there bookings in profile
- 6.The Admin can view
  - 1.The whole Database
  - 2.Conferences
  - 3.Payments
- 8.Admin can add user
- 9.Admin can add conferences
- 13.Admin can modify, manage and delete

## TECHNICAL ASPECTS

- **Presentation Layer:**
  - **User Interface (UI):** This layer includes the components that interact with users, such as web pages or mobile app screens.
  - **Django Templates:** Django's built-in template engine allows you to define HTML templates that render dynamic content and interact with the back-end.
- **Application Layer:**
  - **Django:** Django serves as the back-end framework, handling HTTP requests, routing, and managing the application's business logic.
  - **Django Views:** Views receive requests from the user interface, process data, and generate appropriate responses. They interact with models, services, and external APIs as needed.
  - **Django Forms:** Forms handle user input validation and data submission, allowing users to input and update travel-related information.

# **6.DATABASE CLASS DIAGRAM**



## **7. CHALLENGES FACED DURING THE DEVELOPMENT**

Developing a conference management system with login registration, conference booking, venue searching, payment, user profile, and an admin panel using Django can be challenging for beginners. Some key challenges include authentication, implementing booking and searching features, integrating payment systems, managing user profiles, building an admin panel, testing and validation, ensuring scalability and performance, maintaining security, focusing on user experience, and handling maintenance and upgrades. However, by following Django's documentation, breaking tasks into smaller steps, and seeking help from online resources, beginners can overcome these challenges and gain valuable experience in the process.

## **8. FUTURE ENHANCEMENTS**

## **FUTURE ENHANCEMENTS**

- **Mobile Application:** Develop a mobile application to complement the web-based system allowing users to access conference booking, venue searching, and user profile features on their mobile devices.
- **Real-Time Availability:** Implement real-time availability updates for conferences and venues, so users can view the latest information on conference availability and make instant bookings.
- **Additional Booking Options:** Expand the booking options to include additional features such as conference package selection, seat preferences, and special requests during the booking process.
- **Payment Gateway Integration:** Integrate multiple payment gateways to provide users with flexibility in choosing their preferred payment method.
- **Advanced Reporting and Analytics:** Enhance the admin panel with advanced reporting and analytics features, providing insights into booking trends, revenue generation, and user behavior.
- **Social Media Integration:** Enable social media integration to allow users to share conference details and their bookings with their networks, increasing visibility and engagement.
- **Feedback and Rating System:** Implement a feedback and rating system to gather user feedback on conferences, venues, and overall user experience, allowing continuous improvement.
- **Integration with Calendar Platforms:** Integrate with popular calendar platforms to enable users to synchronize conference bookings with their personal calendars, making it easier to manage schedules.
- **Automated Reminders and Notifications:** Set up automated reminders and notifications for users regarding upcoming conferences, changes in booking status, and important updates.
- **Create Conference Hall Owner Page:** Add a page for the conference hall owners so that they can directly add their conference hall details to the system and the only have to verify and manage them



## **9.CONCLUSION**

## CONCLUSION

In conclusion, the Conference Management System has been successfully developed ,meeting all the project objectives within the specified timeline. The system offers essential features such as user registration, conference booking, venue searching, payment integration, user profiles, and an admin panel. Thorough testing has ensured its reliability and functional. With the Conference Management System, users can easily browse and book conference venues, make secure payments, and manage their profiles. The admin panel enables efficient conference management and monitoring of bookings. Future enhancements could include the development of a mobile application for convenient access, real-time availability updates, additional tax calculating options, and a premium version with advanced features like tax payment recommendations and analytics. Overall, the Conference Management System provides an efficient and user-friendly solution for managing conferences, with potential for further improvements and expansions in the future.

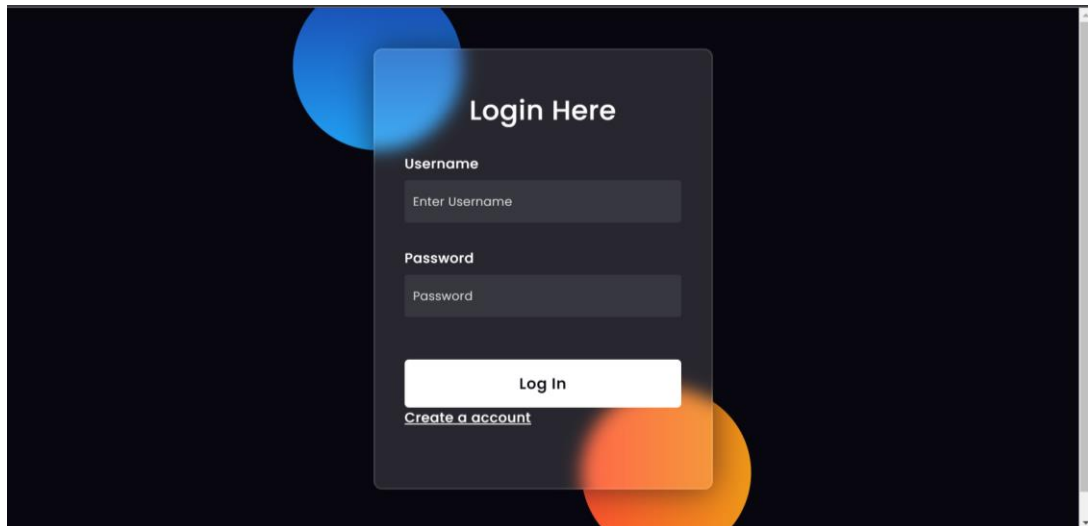
## **10.REFERENCES**

## REFERENCES

- <https://docs.djangoproject.com/>
- <https://openai.com/>
- <https://stackoverflow.com/>
- <https://www.youtube.com/>

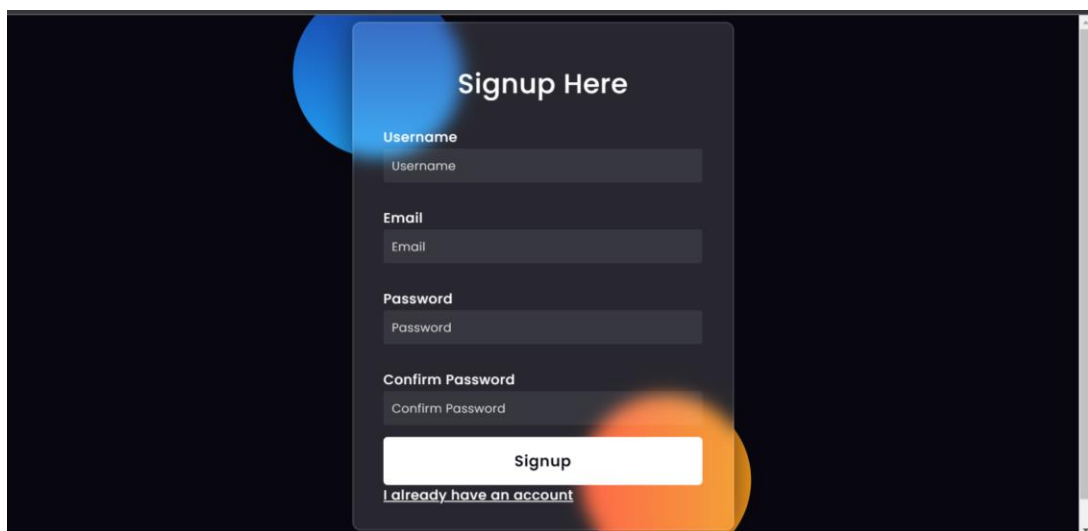
# **11.SCREENSHOTS**

## LOGIN



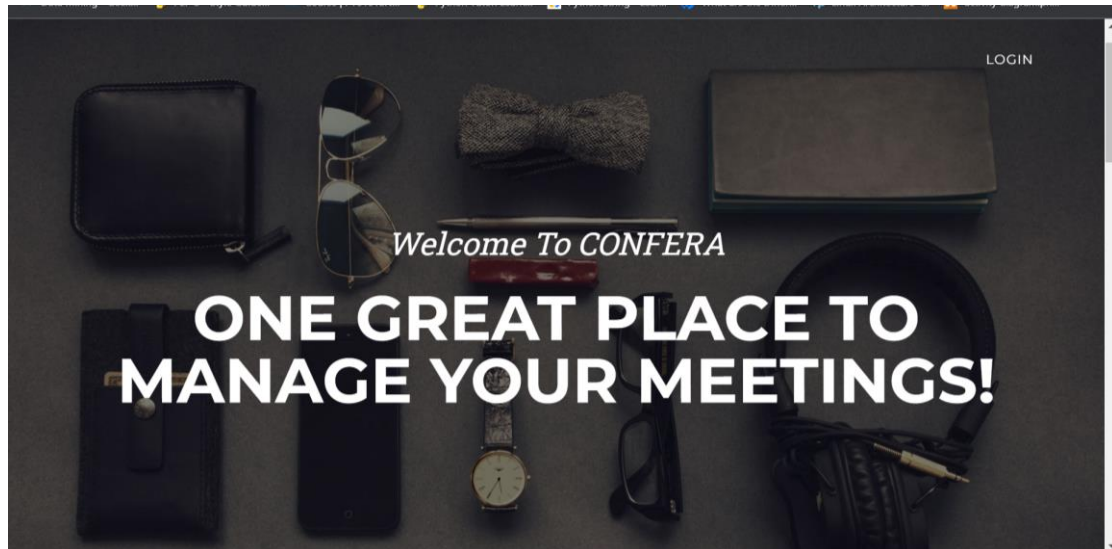
A login form titled "Login Here" is centered on a dark background with large blue and orange circles. The form contains two input fields: "Username" with a placeholder "Enter Username" and "Password" with a placeholder "Password". Below the fields is a white "Log In" button and a link "[Create a account](#)".

## REGISTRATION

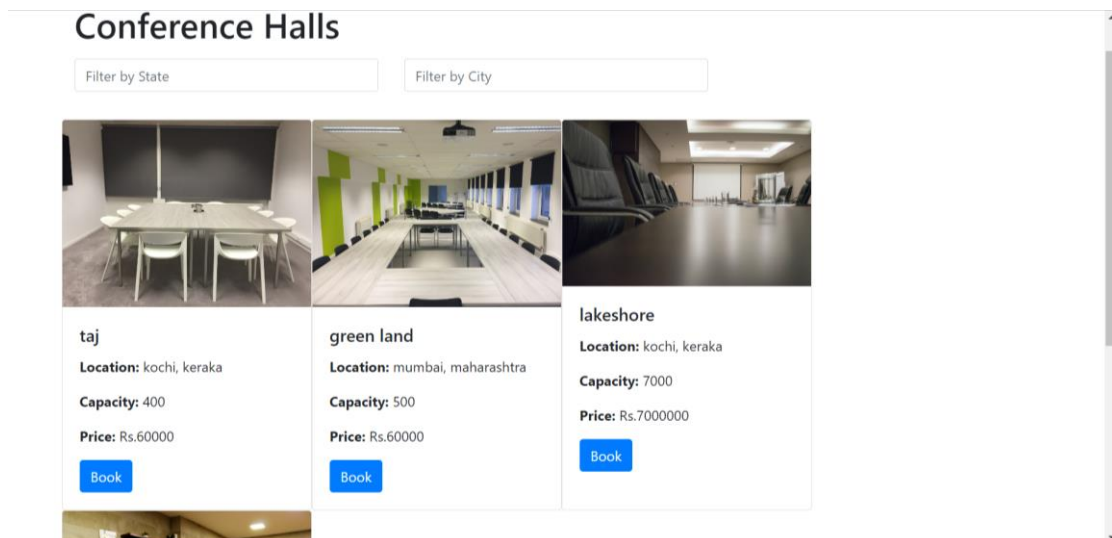


A registration form titled "Signup Here" is centered on a dark background with large blue and orange circles. The form contains four input fields: "Username" with a placeholder "Username", "Email" with a placeholder "Email", "Password" with a placeholder "Password", and "Confirm Password" with a placeholder "Confirm Password". Below the fields is a white "Signup" button and a link "[I already have an account](#)".

## HOMEPAGE



## BOOKING PAGE



## PAYMENT PAGE

### Payment Form

- All fields are required.

CVV:

Card Number:

Starting Time:

Ending Time:

Date:

[Pay Now](#)

## USER PROFILE

**admin**  
Email: admin@gmail.com

**green land**  
**mumbai, maharashtra**  
Date: May 27, 2023  
Capacity: 500

**raaz**  
**chennai, tamilnadu**  
Date: May 27, 2023  
Capacity: 700000



## CONTACT DETAILS

### Conference Management Team

John Doe

CEO

john.doe@example.com  
+1 123 456 7890

Jane Smith

Event Manager

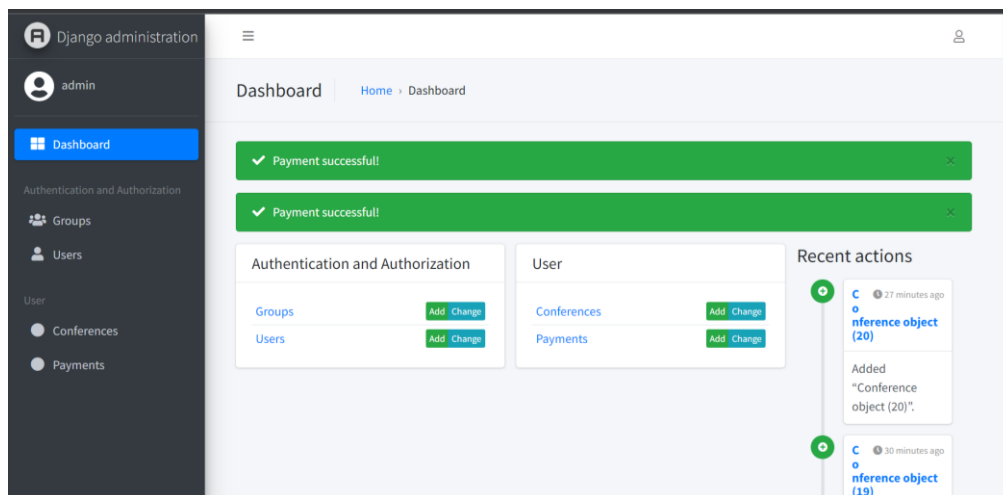
jane.smith@example.com  
+1 987 654 3210

Mark Johnson

Marketing Manager

markjohnson@example.com  
+1 555 123 4567

## ADMIN PANEL



## ABOUT SECTION


### WELCOME TO OUR ONLINE CONFERENCE MANAGEMENT SYSTEM


*Discover how we can help you organize and host your next virtual event.*

**2015**

**Our Humble Beginnings**

Our journey began with the desire to make it easier for individuals and organizations to host successful online conferences. We started small but with a big vision.





**2017**

**Established as a Conference Management Agency**

## DROP DOWN LIST

ADMIN CONTACT US

PROFILE

LOGOUT

Welcome To CONFERA

# ONE GREAT PLACE TO MANAGE YOUR MEETINGS!

GET STARTED

## PAYMENT WITH VALIDATION

### Payment Form

- All fields are required.

**CVV:**

Please enter a valid CVV.

**Card Number:**

Please enter a valid 16-digit card number.

**Starting Time:**

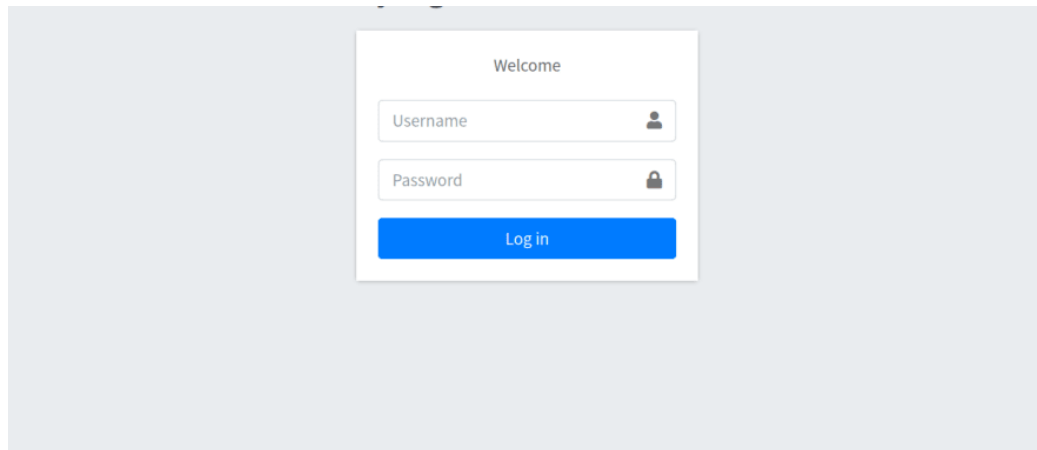
**Ending Time:**

**Date:**

## WRON CREDETIALS MESSEGE


Username or Password is incorrect!!!


## ADMIN LOGIN



A screenshot of an admin login interface. It features a light gray background with a white login box in the center. The box is titled 'Welcome' and contains two input fields: 'Username' with a user icon and 'Password' with a lock icon. Below these fields is a blue 'Log in' button.

Welcome

Username 

Password 

Log in

CONFERA