



**23544 Clovis
NIYONSENGA**

**Presidential
Protection**

Project Requirements:



Purpose: The purpose of this project is to create a web-based system that allows news reporters to schedule a meeting with the president, and for the system to facilitate the approval process by the system administrator. The system will help in presidential protection by ensuring that only approved reporters can schedule meetings with the president.



Expected Outcomes: The expected outcomes of this project are:

- A user-friendly web-based system that allows reporters to register, login, and schedule meetings with the president
- The system should allow reporters to upload their image, name, and a PDF document for verification purposes
- Reporters should be able to schedule the meeting date, start time, and end time
- The system administrator should receive an email notification when a reporter schedules a meeting and can approve, deny or reschedule the meeting
- The system should send email notifications to reporters to confirm or deny the meeting
- Approved reporters should be the only ones allowed to meet with the president
- The system should have adequate security measures to prevent unauthorized access



Specific Constraints or Limitations:

- The system should be accessible from any device with an internet connection
- The system should be designed to be user-friendly and easy to navigate
- The system should have adequate security measures to protect user data and prevent unauthorized access
- The system should be able to handle a large number of users simultaneously
- The system should be able to handle a large number of meeting requests and approvals simultaneously
- The system should be scalable and able to handle future expansions or updates.

Project Plan:

- Scope: The scope of this project is to create a web-based system that allows news reporters to schedule meetings with the president, while ensuring that only approved reporters are allowed to do so. The system will require reporters to register, login, and upload their image, name, and a PDF document for verification purposes. Reporters will then be able to schedule a meeting by specifying the meeting date, start time, and end time. The system administrator will receive email notifications when a meeting is scheduled and can approve, deny, or reschedule the meeting based on the president's schedule. The system will also send email notifications to reporters to confirm or deny the meeting.



Timeline:

- Day 1: Project planning and requirements gathering
- Day 2-3: Design the database schema, user interface, and system architecture
- Day 4: Implement the administrator and user registration, login, and scheduling functionalities
- Day 5: Implement the approval, denial, and rescheduling functionalities
- Day 6: Implement the email notifications and system security features
- Day 7: Testing and debugging
- Day 8: Finalize documentation, deployment.



Resources:

- Spring Boot: A framework for building web applications
- JPA: A Java Persistence API for mapping objects to relational databases
- Thymeleaf: A server-side template engine for rendering web pages
- Validation: A library for validating user input and data
- Spring Security: A framework for securing web applications
- MySQL: A relational database management system
- Mail: A library for sending email notifications
- Tomcat Embedded: An embedded servlet container for running the application locally

Create account: in order to scheduler the meeting with the president.

Home Press Log in Register

Main Principle - Stability in the Future!



!!!Login or Create Account In Order to schedule press conference with the president of the United States of America.

Our Latest News



Dear fellow citizens,
Today, I want to talk to you about the topic of wealth. This is a subject that is often discussed, but one that we should take a closer look at. Wealth, in its many forms, can bring a great deal of good to our society, but it can also have its pitfalls.

I want to emphasize the vital role that banks play in our economy and our society.
They are not just financial institutions, but also pillars of our communities, supporting families and businesses and contributing to the growth and development of our cities and towns. Let us work together to ensure that banks continue to serve the public interest and contribute to the prosperity of our nation. Thank you.

wealth is a complex and multifaceted topic,
We must work towards a society in which wealth is used for the greater good, and in which everyone has the opportunity to succeed. Let us work together towards this goal, and create a society that is fair, just, and equitable for all. Thank you.

Overall Fundraising Leaders



Jason Lorren

The role of banks in our society cannot be overstated. They serve as intermediaries between savers and borrowers, providing a safe and secure place for people to deposit their money while also making loans to individuals and businesses.

State Results: The Latest Numbers from Across the Country

The election season is in full swing, and voters across the United States are heading to the polls to cast their ballots.

Register your Account.

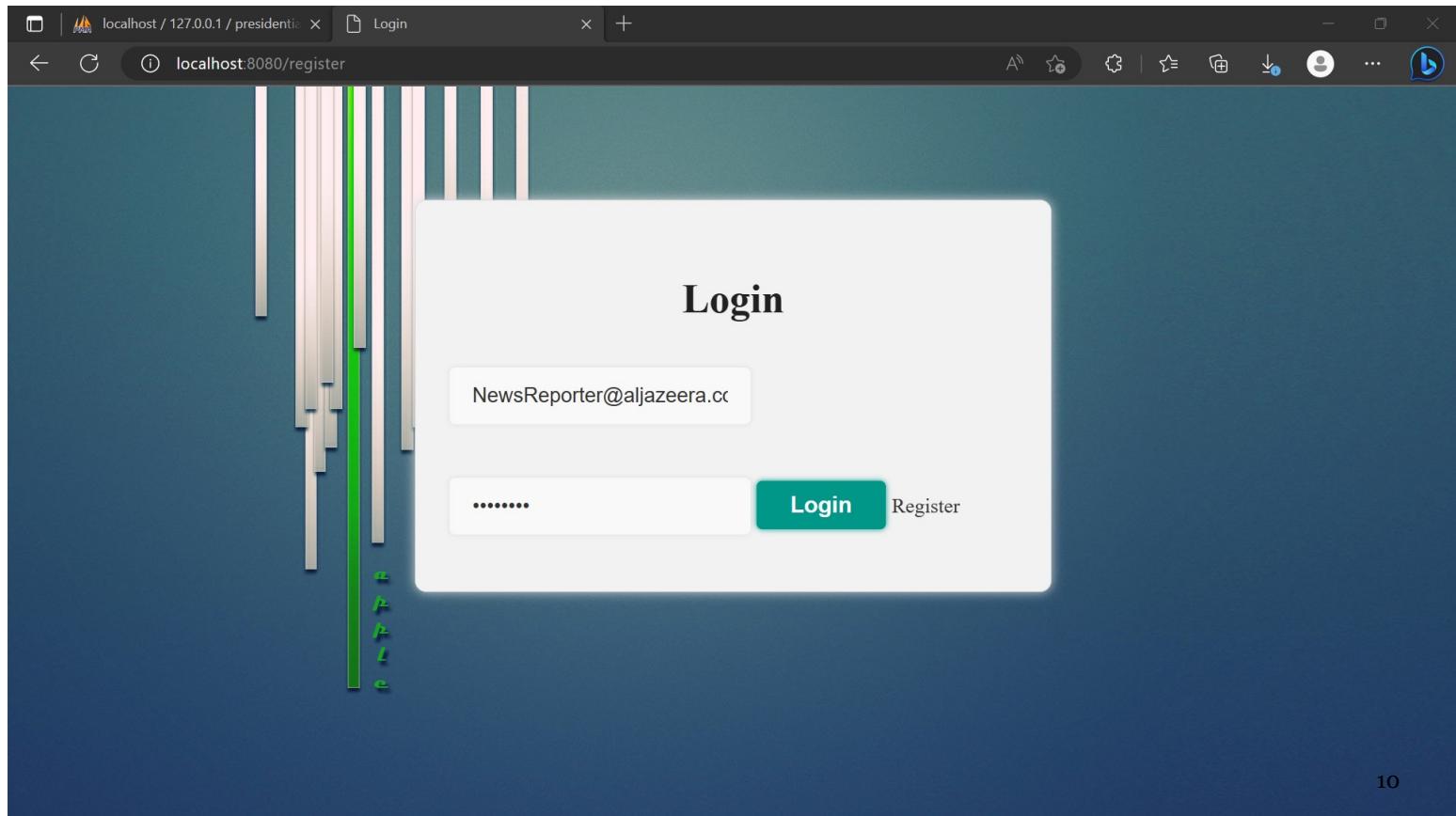


A screenshot of a web browser window showing a registration form. The browser title bar reads "localhost / 127.0.0.1 / presidential.com Registration". The address bar shows "localhost:8080/register". The page has a dark teal background with the word "Registration" centered at the top. On the left side, there is a vertical decorative element consisting of several vertical bars of different colors (pink, grey, white) and a green vertical bar with the letters "a", "p", "p", "l", and "e" written vertically on it. The registration form consists of six input fields:

- Reporter: Text input field containing "Reporter".
- News: Text input field containing "News".
- +1223567889: Text input field containing "+1223567889".
- NewsReporter@aljazeera.com: Text input field containing "NewsReporter@aljazeera.com".
-: Text input field containing ".....".
- USER: Text input field containing "USER".

Below the input fields is a blue "REGISTER" button. At the bottom of the page, there is a link "Log in".

Login with your created Account.



Dashboard: press Home Button.



A screenshot of a web browser window showing the "User Dashboard". The browser title bar reads "localhost / 127.0.0.1 / presidentia" and "User Dashboard". The address bar shows "localhost:8080/dashboard". The page content includes a welcome message, user information, and three blue buttons labeled "HOME", "LOG OUT", and "PRESS CONFERENCE".

Welcome to User Dashboard

Logged as: NewsReporter@aljazeera.com

Has role: [USER]

[HOME](#)

[LOG OUT](#)

[PRESS CONFERENCE](#)

Homepage: Click PRESS button to schedule meeting with the president.

Home Press Log in Register

authenticated users only.
Logged in as: TonyAlmeida@cia.gov
Has role: [ADMIN]

ADMIN DASHBOARD

[LOG OUT](#)

Main Principle - Stability in the Future!



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Overall Fundraising Leaders

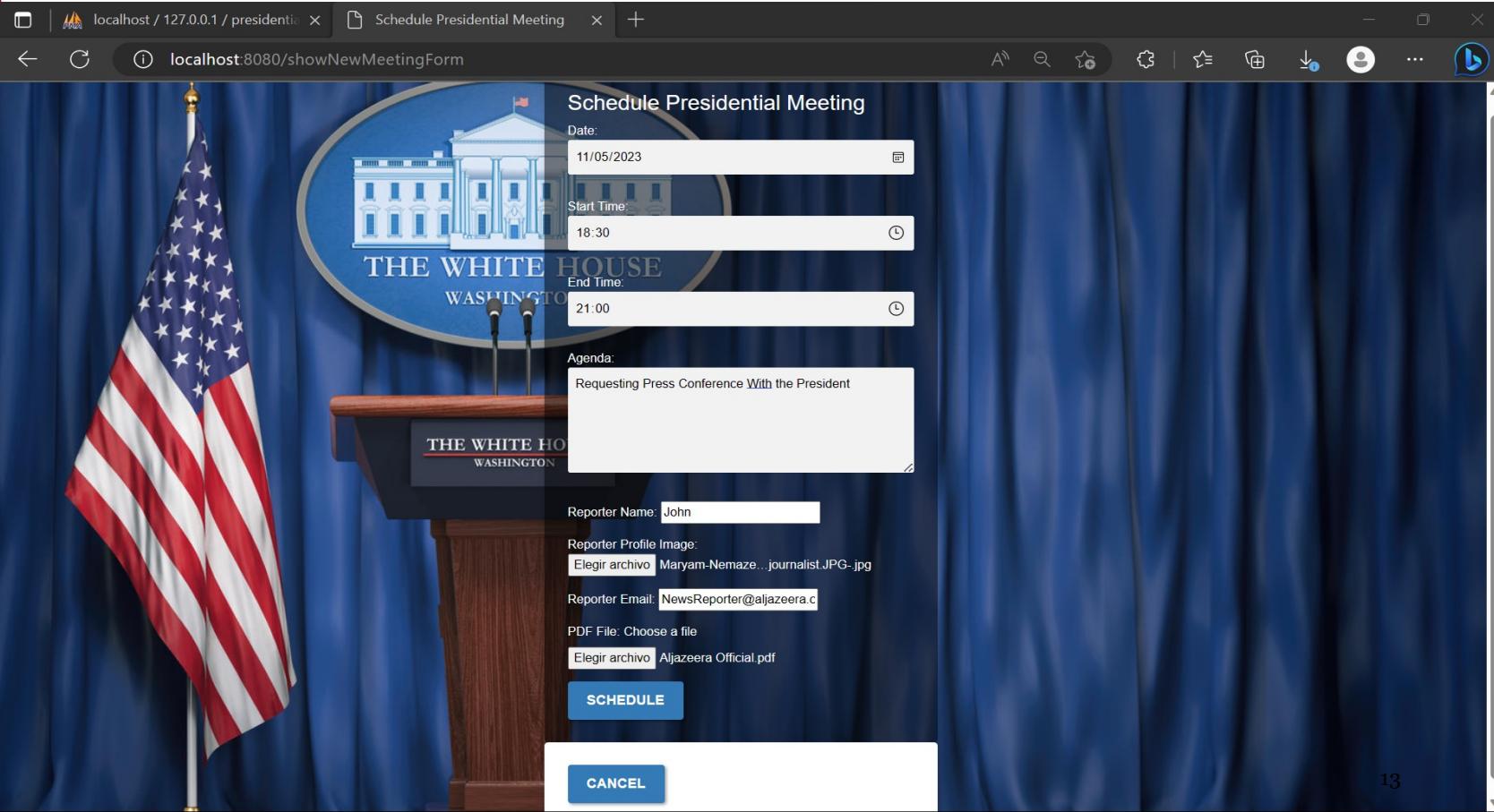


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State Results: The Latest Numbers from Across the Country
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Schedule Presidential Meeting.



Schedule Presidential Meeting

Date: 11/05/2023

Start Time: 18:30

End Time: 21:00

Agenda: Requesting Press Conference With the President

Reporter Name: John

Reporter Profile Image: Elegir archivo Maryam-Nemaze...journalist.JPG-.jpg

Reporter Email: NewsReporter@aljazeera.c

PDF File: Choose a file
Elegir archivo Aljazeera Official.pdf

SCHEDULE

CANCEL

localhost / 127.0.0.1 / presidentie

Schedule Presidential Meeting

localhost:8080/showNewMeetingForm

Scheduled meetings Table.

localhost / 127.0.0.1 / presidentialMeetings

localhost:8080/view?

Presidential Meetings

LOGOUT

HOME

Search

Enter agenda's keywords

SEARCH

Date	Start Time	End Time	Agenda	Name	Email	Profile	Actions
2023-05-11	18:30	21:00	Requesting Press Conference With the President	John	NewsReporter@aljazeera.com		Edit Delete Download PDF

ADD NEW MEETING



Update The scheduled meeting.

A screenshot of a web browser window titled "Update Meeting". The URL in the address bar is "localhost:8080/updateMeeting/50". The browser interface includes standard controls like back, forward, search, and a user profile icon. The main content is a modal dialog box with a white background, overlaid on a blue curtain and a podium featuring the White House seal. The dialog box contains the following fields:

- Name: Maryam Nemazee
- Date: 12/05/2023
- Start Time: 15:30
- End Time: 21:00
- Description: Requesting Press Conference [With](#) the President secretary

At the bottom of the dialog are two buttons: a blue "UPDATE MEETING" button and a white "CANCEL" button.

Updated meeting

localhost / 127.0.0.1 / presidential

localhost:8080/view

Presidential Meetings

LOGOUT

HOME

Search

Enter agenda's keywords

SEARCH

Date	Start Time	End Time	Agenda	Name	Email	Profile	Actions
2023-05-12	15:30	21:00	Requesting Press Conference With the President secretary	Maryam Nemaze	NewsReporter@aljazeera.com		Edit Delete Download PDF

ADD NEW MEETING

Admin Registration.



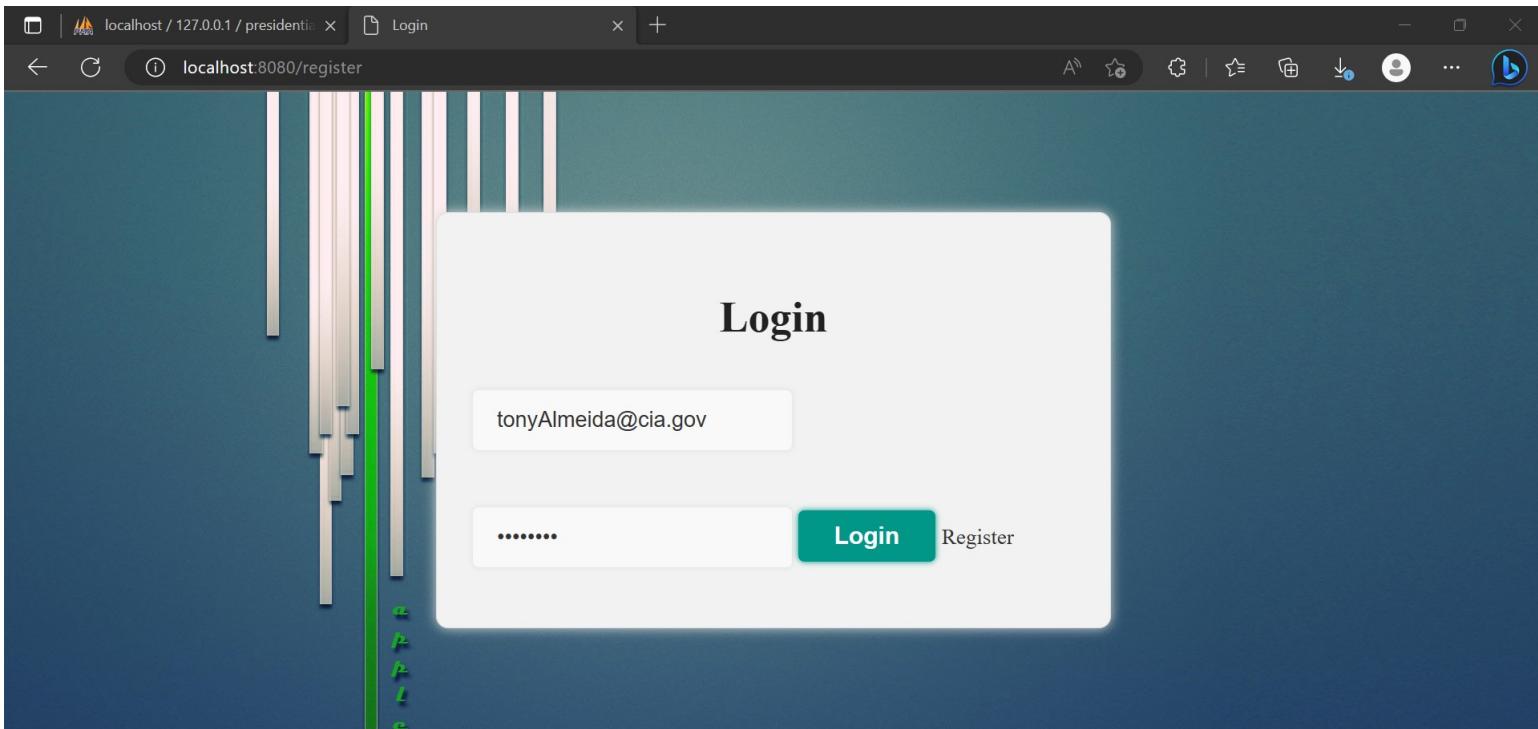
A screenshot of a web browser window showing a registration form. The browser title bar reads "localhost / 127.0.0.1 / presidential" and the tab title is "Registration". The URL in the address bar is "localhost:8080/register?". The page has a dark teal background with a vertical green decorative stripe on the left. The form is titled "Registration" and contains the following fields:

- First Name: Tony
- Last Name: Almeida
- Phone Number: +2507800000012
- Email Address: tonyAlmeida@cia.gov
- (redacted)
- Role: ADMIN (with a dropdown arrow icon)

At the bottom right are two buttons: a blue "REGISTER" button and a smaller "Log in" link.

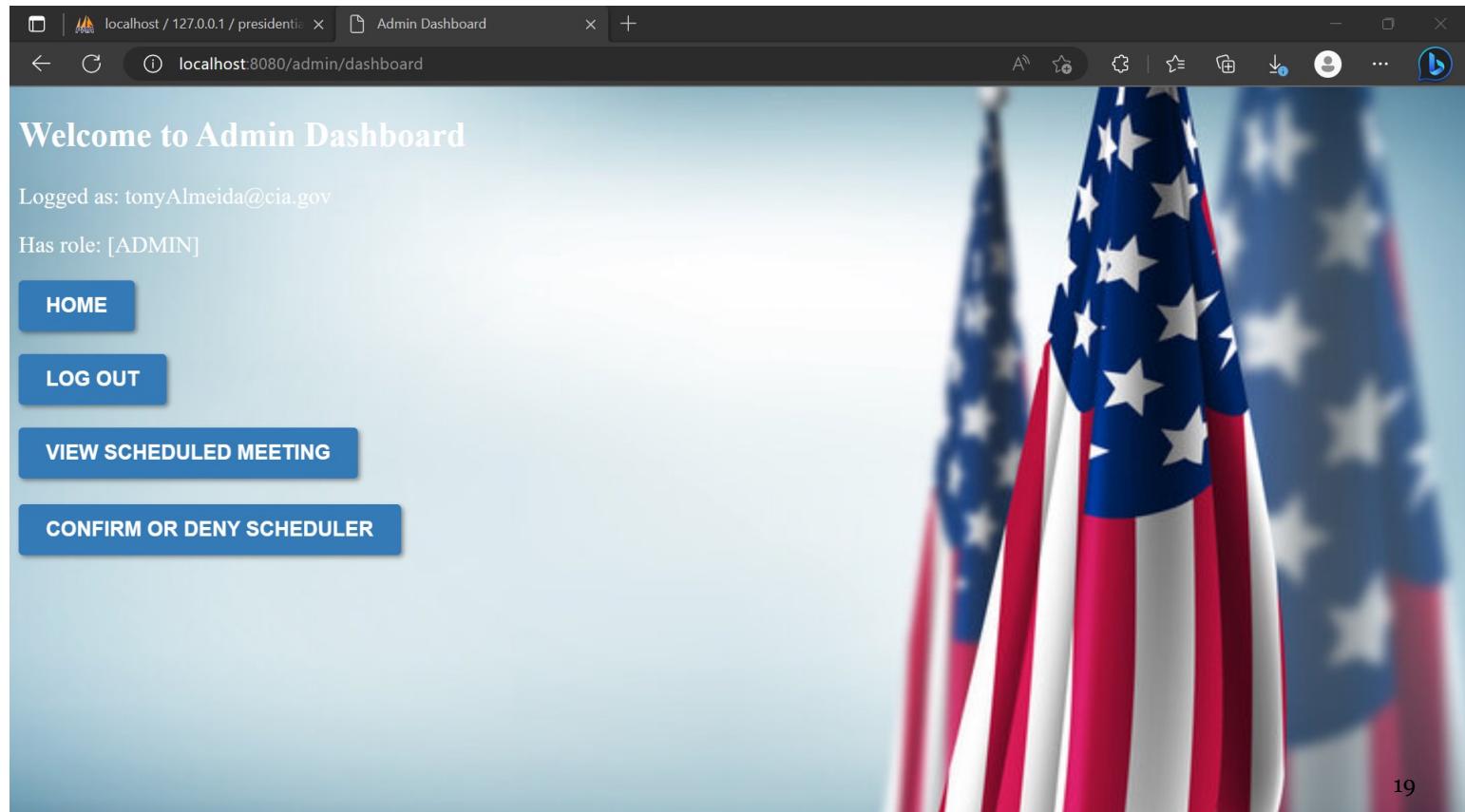


Login as an Administrator.





Admin Dashboard: press view Scheduled Meeting.



A screenshot of a web browser displaying the "Admin Dashboard". The browser window has a dark header with tabs for "localhost / 127.0.0.1 / presidentia" and "Admin Dashboard". The address bar shows "localhost:8080/admin/dashboard". The main content area has a light blue background with the text "Welcome to Admin Dashboard". Below it, the user is logged in as "tonyAlmeida@cia.gov" and has the role "[ADMIN]". There are four blue buttons with white text: "HOME", "LOG OUT", "VIEW SCHEDULED MEETING", and "CONFIRM OR DENY SCHEDULER".

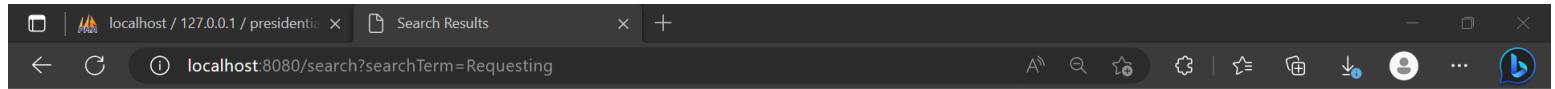
Search for meetings: use Agenda's keywords.

The screenshot shows a web browser window with the URL `localhost:8080/view?`. The page has a dark blue background featuring a stylized American flag on the left and right sides. In the center, there is a large circular graphic of the White House. The title "Presidential Meetings" is displayed above the search interface. On the left, there is a sidebar with "LOGOUT" and "HOME" buttons. Below the sidebar is a search bar containing the text "Requesting". A "SEARCH" button is located just below the search bar. The main content area displays a table of meeting results:

Date	Start Time	End Time	Agenda	Name	Email	Profile	Actions
2023-05-12	15:30	21:00	Requesting Press Conference With the President secretary	Maryam Nemazee	NewsReporter@aljazeera.com		Edit Delete Download PDF

At the bottom of the page is a blue button labeled "ADD NEW MEETING".

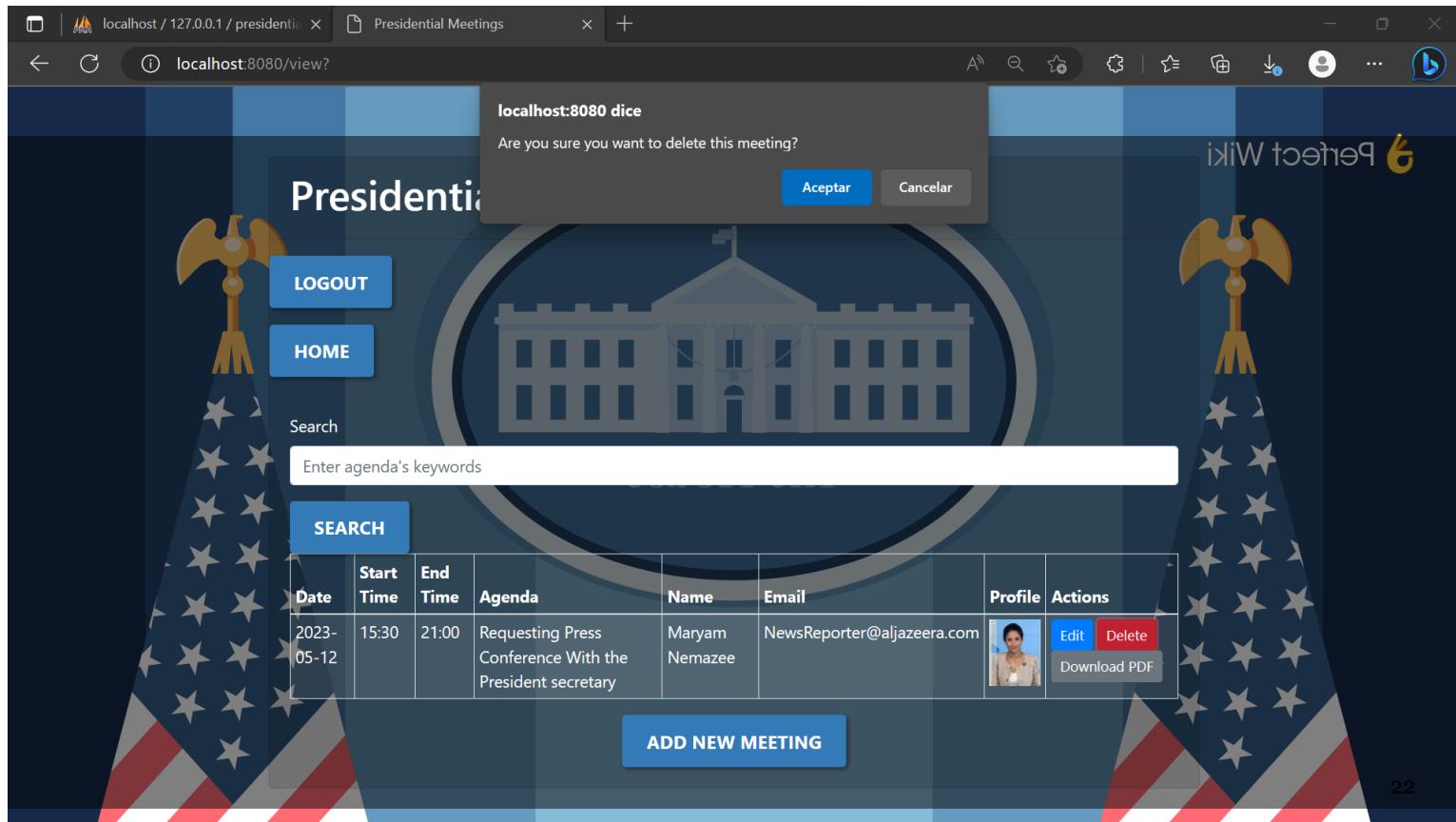
Search Results



Search Results

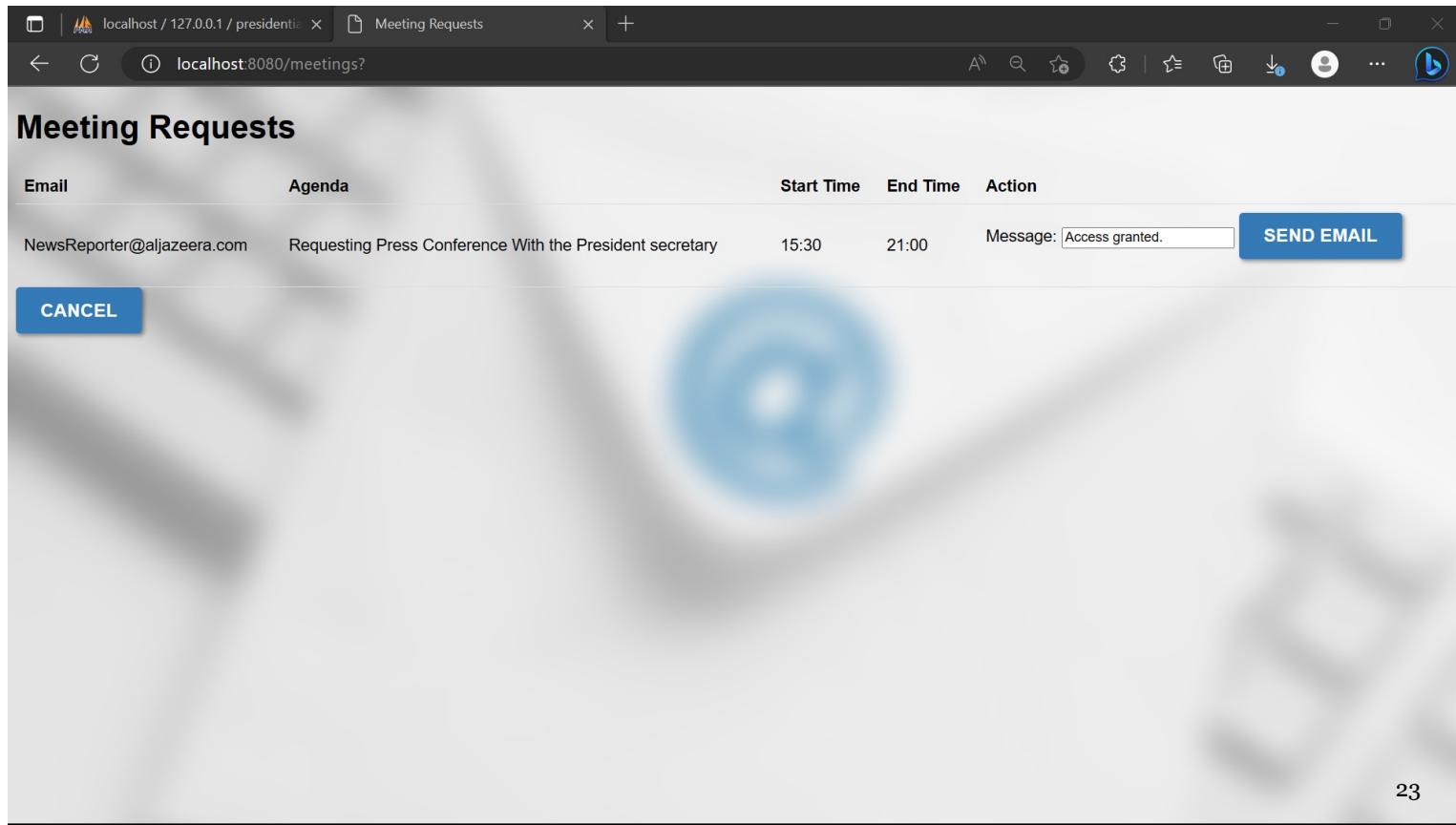
Meeting Date	Start Time	End Time	Agenda	Action
2023-05-12	15:30	21:00	Requesting Press Conference With the President secretary	<button>Cancel</button>

Deleting Meetings: Press Delete Button.





Admin can send feedback emails: through confirm or deny button.



A screenshot of a web browser window titled "localhost / 127.0.0.1 / presidencia". The main content is a "Meeting Requests" page. The table shows one row of data:

Email	Agenda	Start Time	End Time	Action
NewsReporter@aljazeera.com	Requesting Press Conference With the President secretary	15:30	21:00	<input type="text" value="Message: Access granted."/> SEND EMAIL

At the bottom left of the table is a blue "CANCEL" button.

Architecture:

- The presidential web app is built using the Spring Boot framework, which provides a robust and scalable platform for developing web applications. The app uses a three-tier architecture, consisting of a presentation layer, a business logic layer, and a data access layer. The presentation layer is implemented using Thymeleaf templates, which are rendered by the Spring MVC controller. The business logic layer is implemented using Spring services, which perform the necessary operations to fulfill the user's request. The data access layer is implemented using Spring Data JPA, which provides a powerful mechanism for interacting with the MySQL database.

Implementation:

The presidential web app was implemented using the following technologies:

- Spring Boot: Spring Boot was used as the primary framework for building the web app. It provides a variety of features and tools, including auto-configuration, embedded Tomcat server, and robust security.
- Spring Data JPA: Spring Data JPA was used as the ORM framework to interact with the MySQL database. It provides an easy-to-use API for performing CRUD operations and querying the database.
- Thymeleaf: Thymeleaf was used as the template engine to render dynamic content in the web app. It provides a powerful mechanism for template inheritance, and HTML5 validation.
- Spring Security: Spring Security was used to provide secure authentication and authorization for the web app. It provides a flexible and powerful mechanism for securing web applications.
- MySQL: MySQL was used as the relational database management system to store the data for the web app. It provides a scalable and reliable platform for storing and retrieving data.

Other relevant technical details:

- Validation: The web app uses Spring validation to validate user input and prevent invalid data from being submitted.
- Mail: The web app uses Spring Mail to send notification emails to the administrator and reporters.
- Tomcat embedded: The web app uses the embedded Tomcat server provided by Spring Boot to run the web application.

Conclusion.

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1. In conclusion, the presidential web app I have built is a shining example of the power of modern technology to streamline and secure complex processes. I am proud to have contributed to the important task of protecting the President's interactions with the press, and I believe that this app will be an invaluable tool for years to come."
 2. "As I wrap up this presentation, I want to thank you for your attention and viewing my Spring Boot project. I hope that you have seen the passion and dedication that went into building this app, and that you share your excitement for the possibilities it holds."
 3. "Finally, I would like to express my gratitude to our Professors who puts too much efforts in teaching us in a well defined manner Without their tireless work and dedication, we would not have been able to deliver such a powerful and elegant solution." "In God we trust, everything is possible!"²⁷