


The background of the image is a stylized, wavy American flag. The top left corner features the blue field with white stars, while the rest of the image is composed of red and white stripes that flow across the frame. The bottom portion of the image transitions into a solid dark blue field.

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.

A decorative graphic on the left side of the slide featuring a stylized American flag with stars and stripes in blue, white, and red.

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

A decorative graphic on the left side of the slide, featuring a stylized American flag with stars and stripes in blue, white, and red.

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.

A decorative graphic on the left side of the slide featuring a stylized American flag with stars and stripes in blue, white, and red.

Timeline:

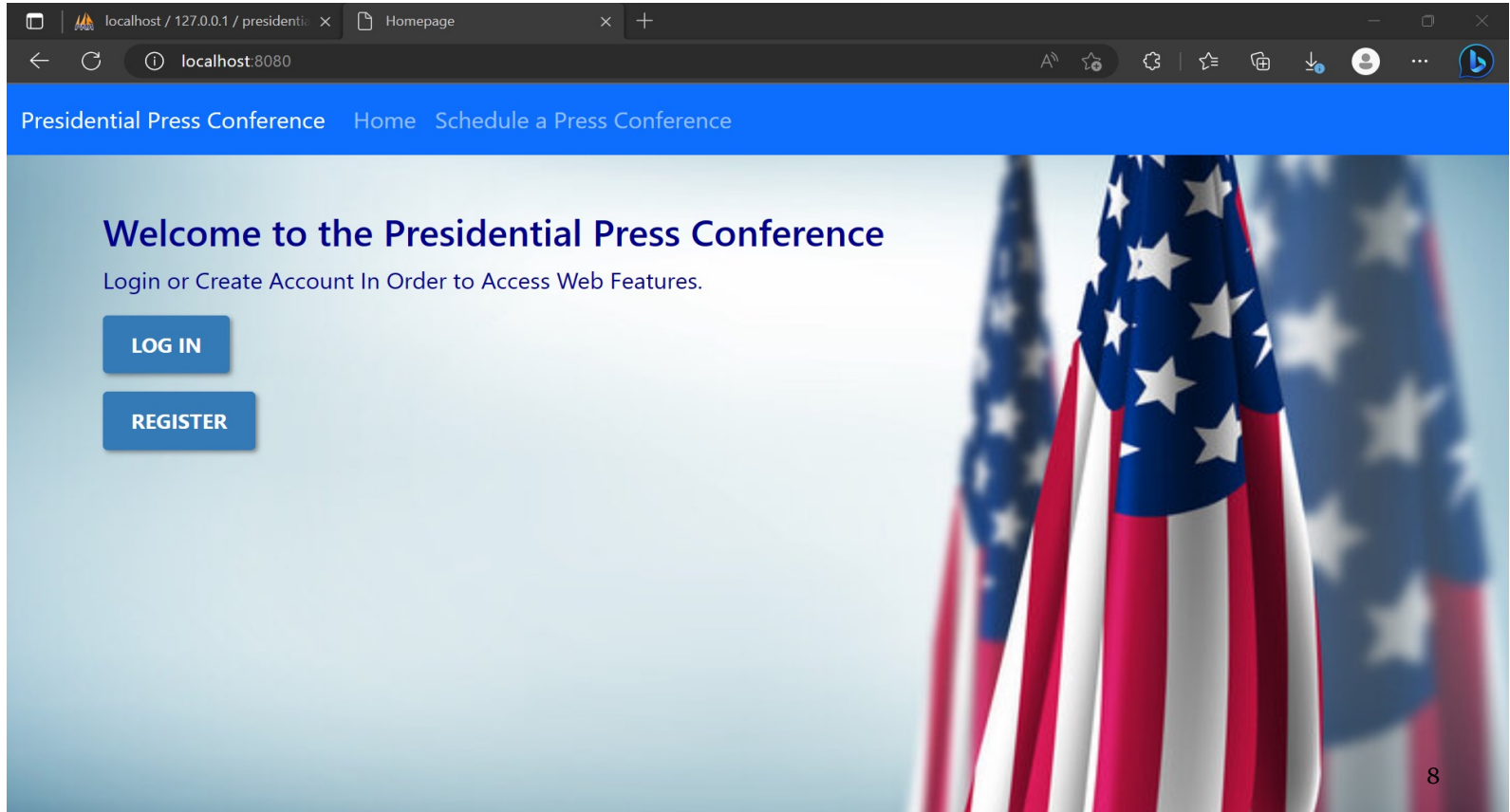
- Day 1: Project planning and requirements gathering
- Day 2-3: Design the database schema, user interface, and system architecture
- Day 4: Implement the administrator and user registration, login, and scheduling functionalities
- Day 5: Implement the approval, denial, and rescheduling functionalities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



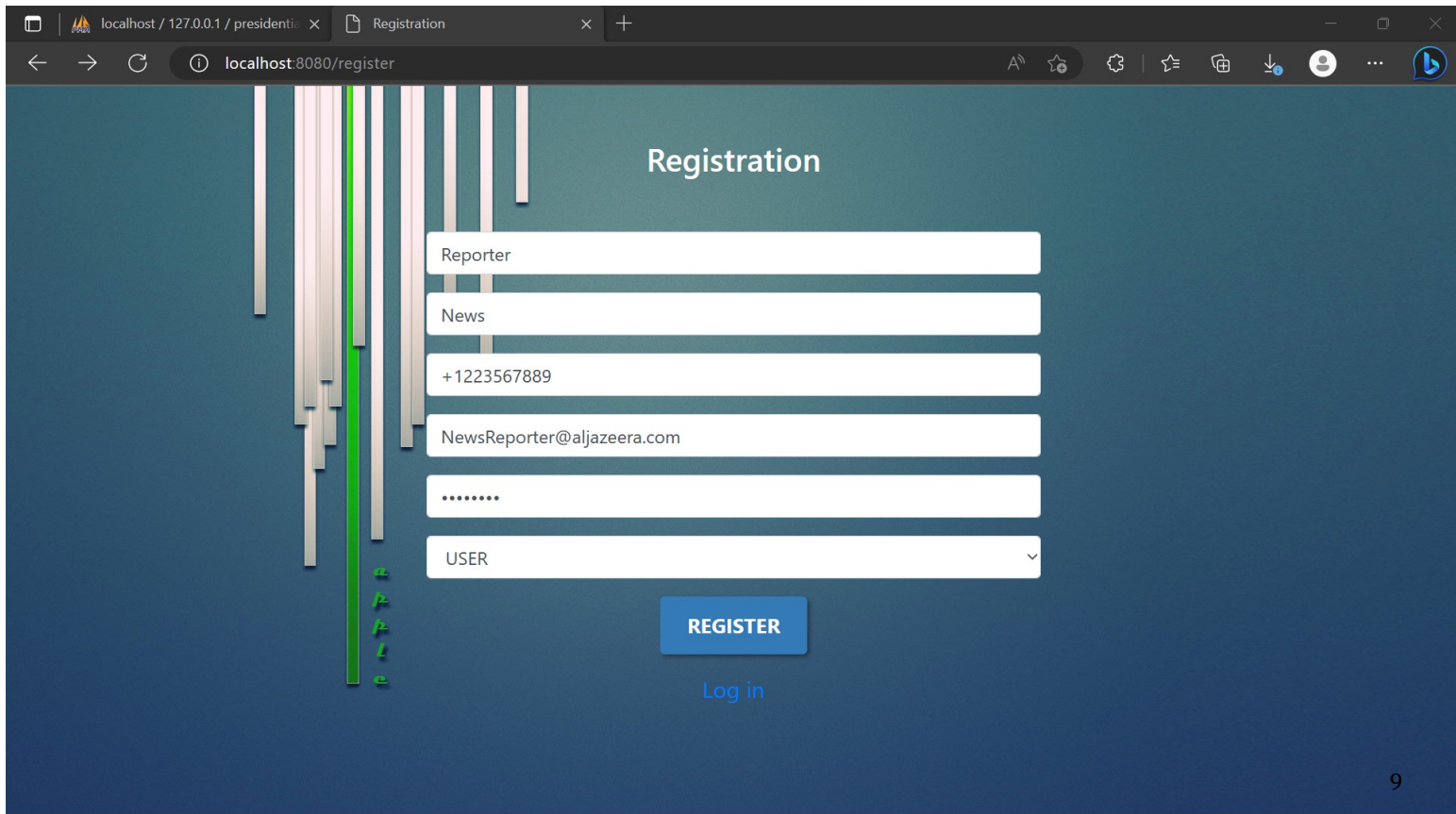
Resources:

- 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

Register your Account as: admin/user.



Register your Account.



localhost / 127.0.0.1 / presidenti × Registration × +

localhost:8080/register

Registration

Reporter

News

+1223567889

NewsReporter@aljazeera.com

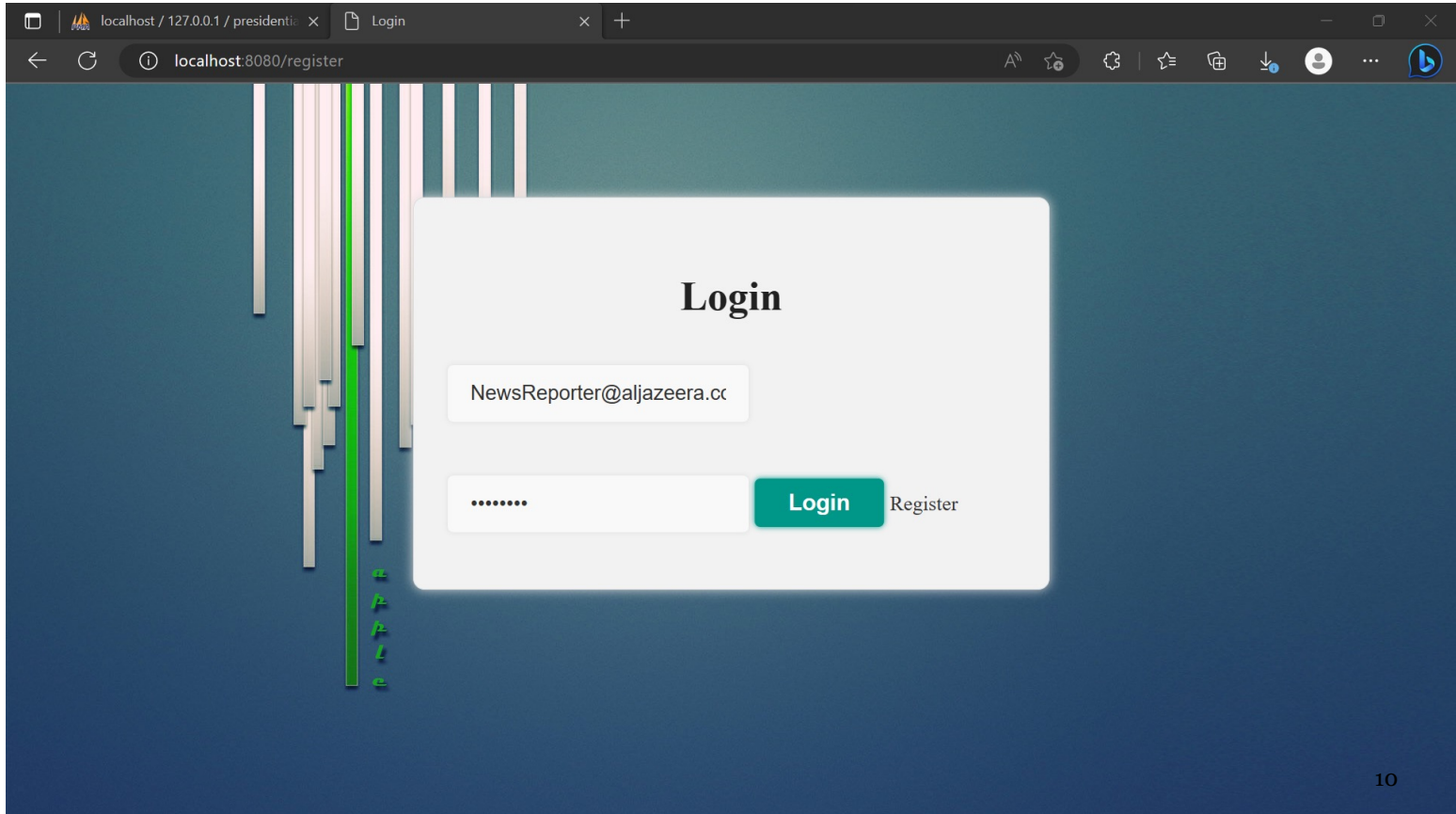
.....

USER

REGISTER

[Log in](#)

Login with your created Account.

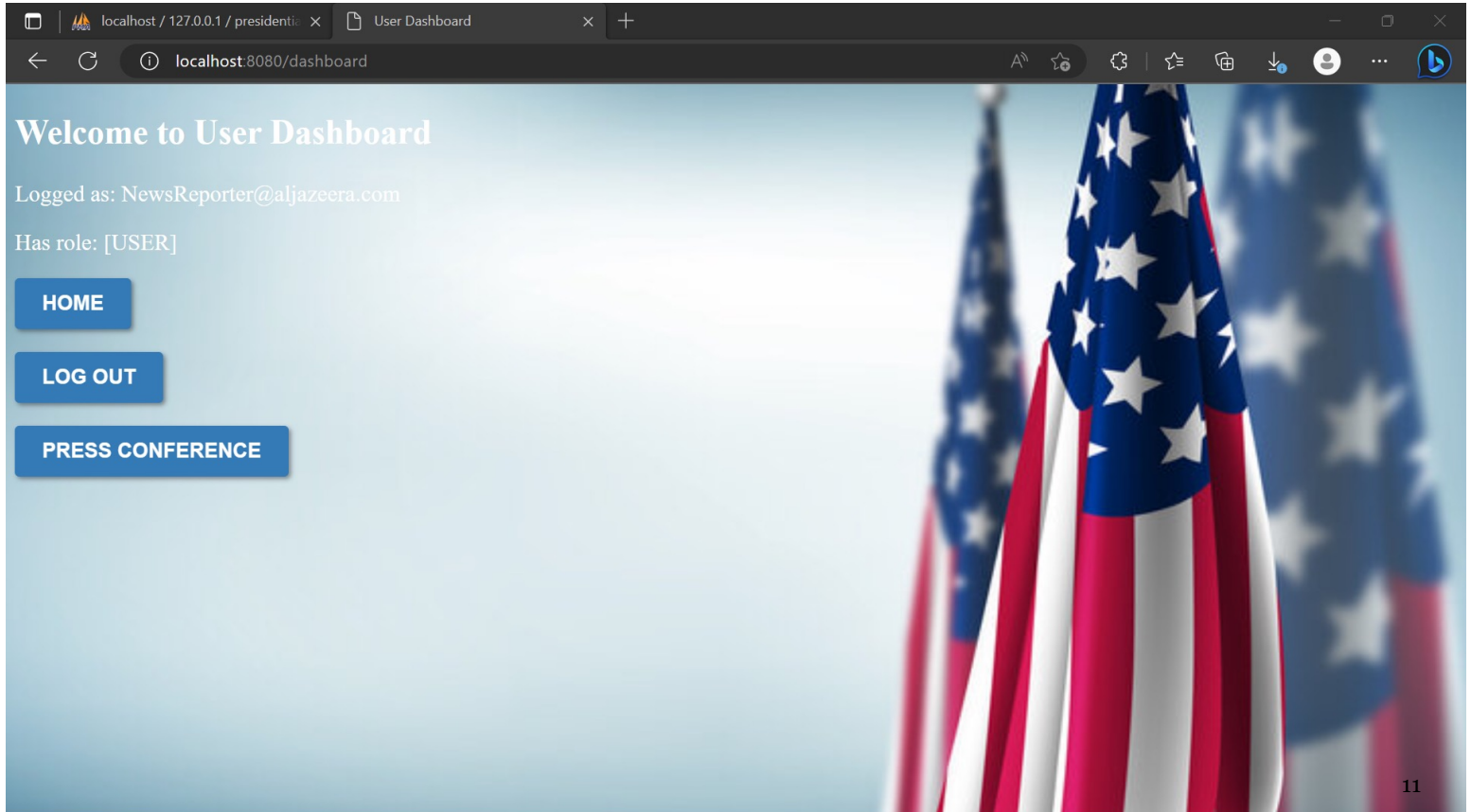


The screenshot shows a web browser window with the address bar displaying `localhost:8080/register`. The page features a dark blue background with a stylized American flag on the left and a series of vertical bars in the center. A white login form is centered on the page.

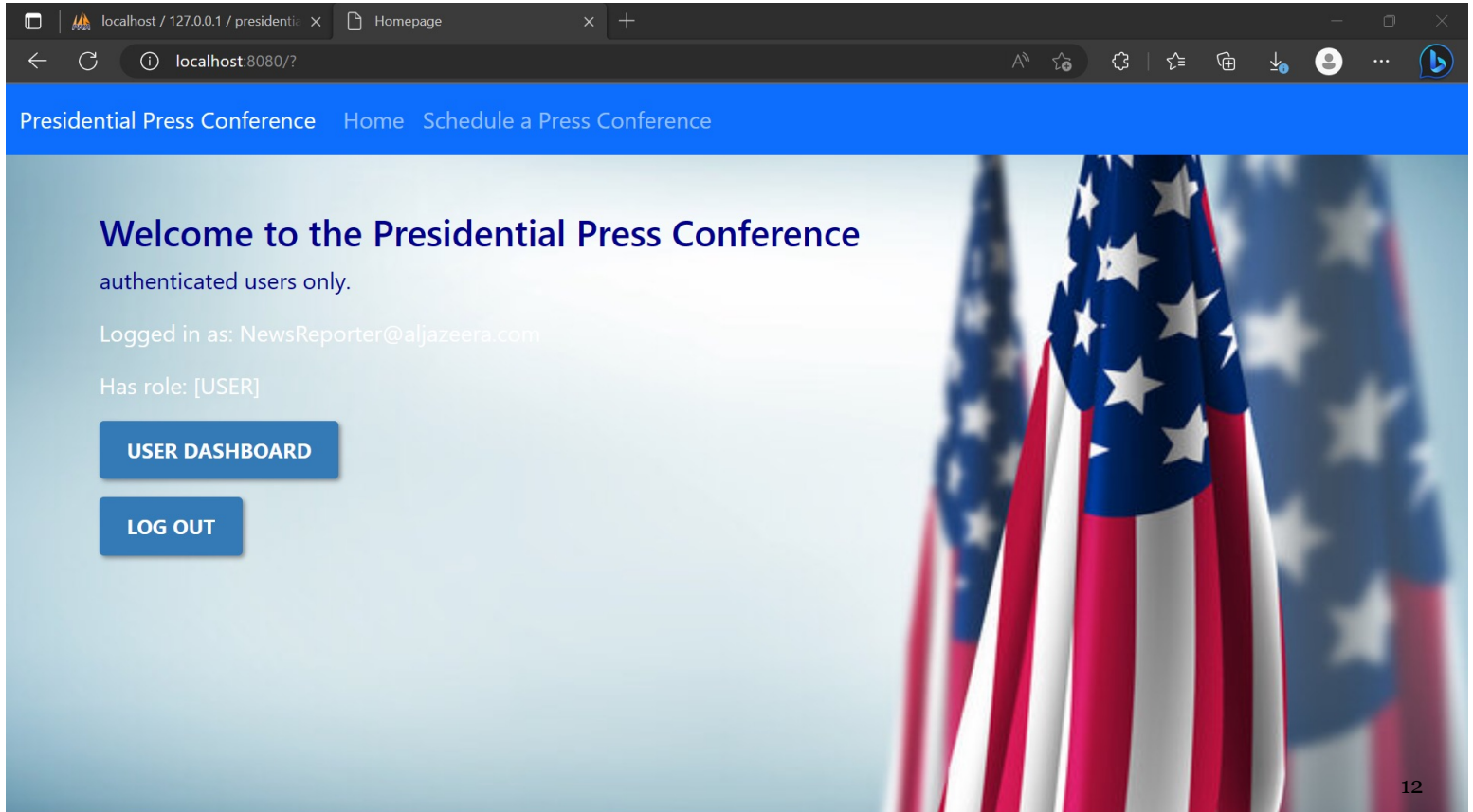
Login

[Login](#) [Register](#)

Dashboard: press Home Button.



Homepage: Choose Schedule a press conference.



Schedule Presidential Meeting.

localhost / 127.0.0.1 / presidential x Schedule Presidential Meeting x +

localhost:8080/showNewMeetingForm

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

Scheduled meetings Table.

localhost / 127.0.0.1 / presidential: x Presidential Meetings x +

localhost:8080/view?

Perfect Wiki 6

Presidential Meetings


LOGOUT

HOME

Search

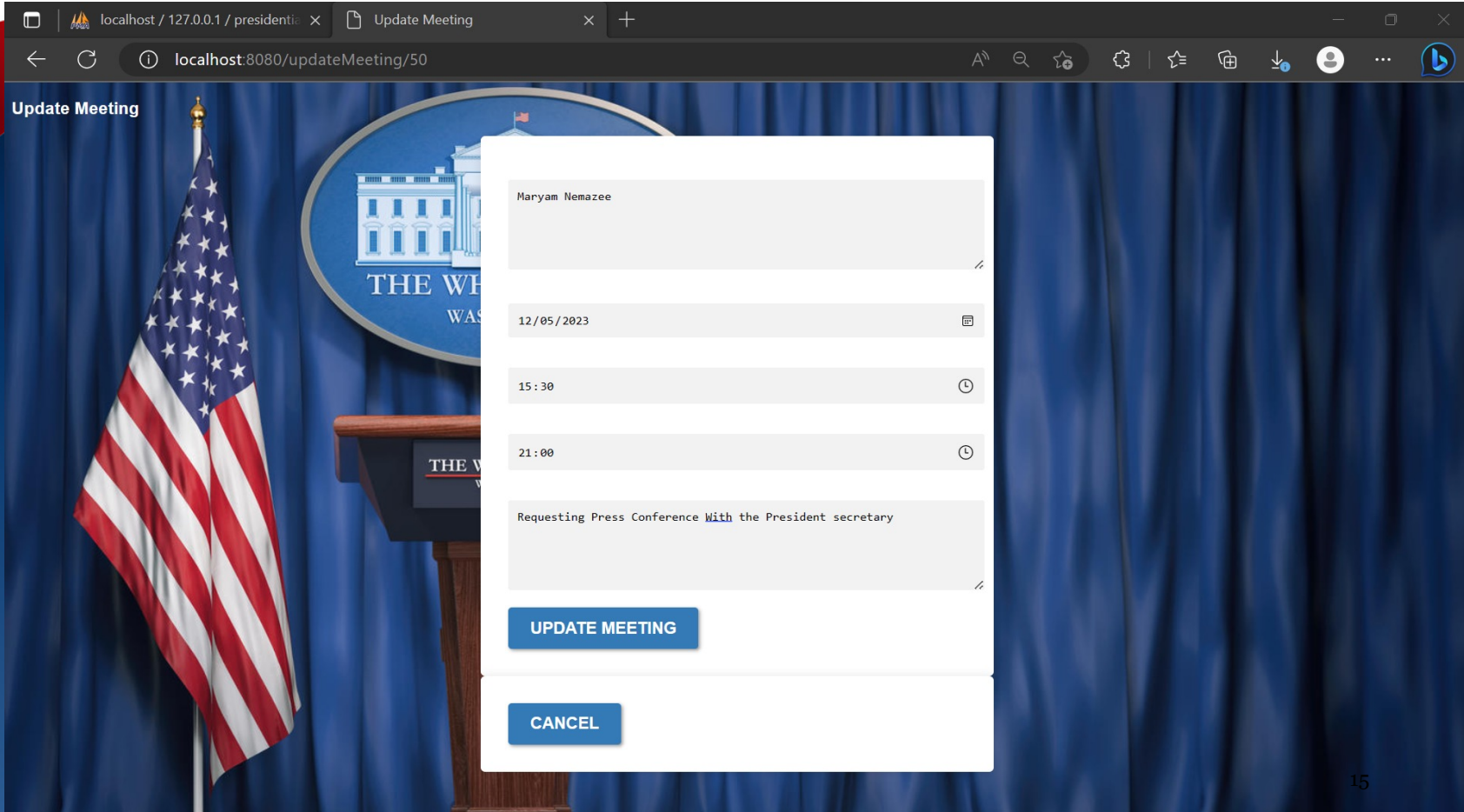
Enter agenda's keywords

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.



Update Meeting

Maryam Nemazee

12/05/2023

15:30

21:00

Requesting Press Conference With the President secretary

UPDATE MEETING

CANCEL

Updated meeting

Presidential Meetings

LOGOUT

HOME

Search

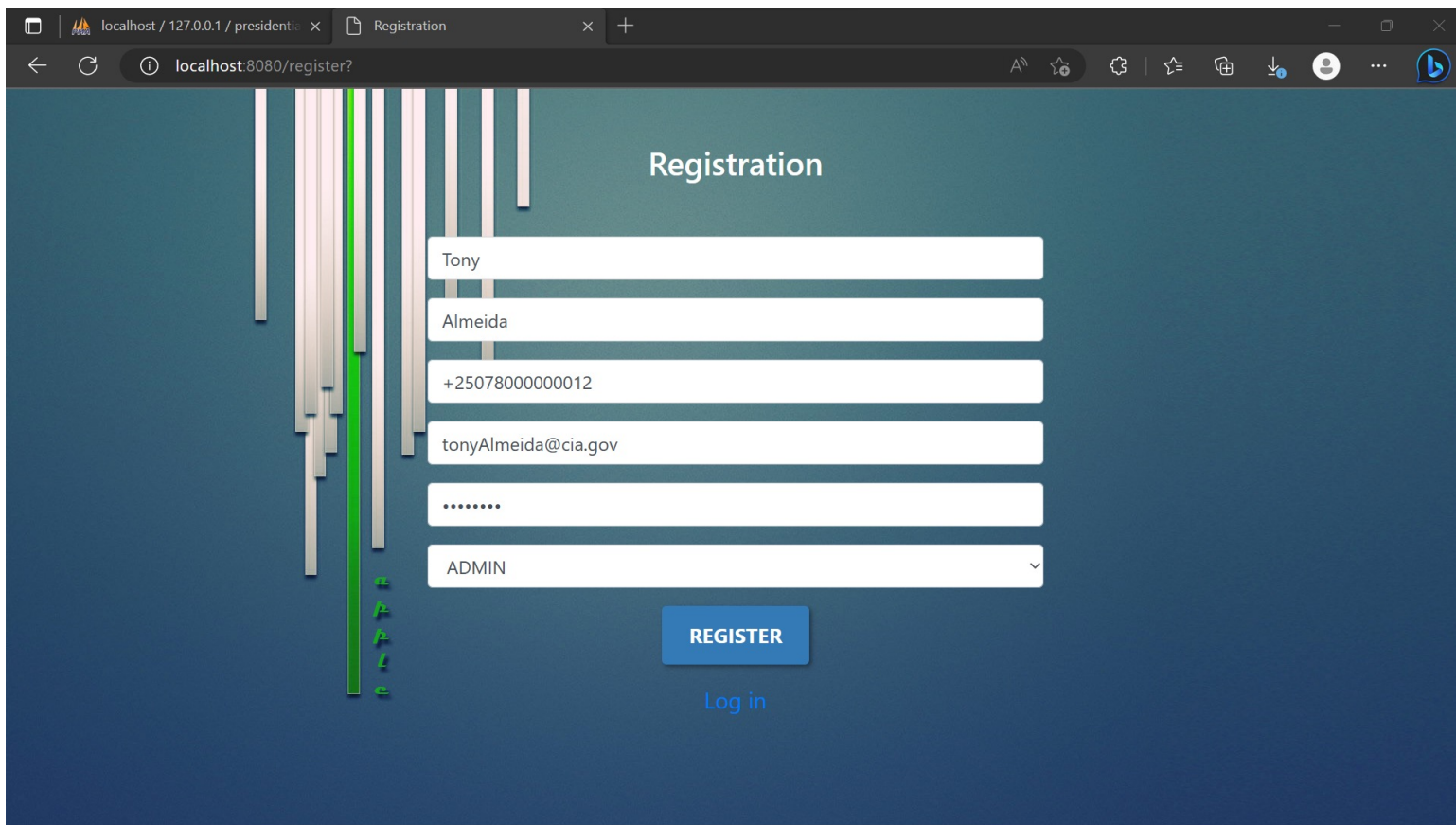
Enter agenda's keywords

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 Nemazee	NewsReporter@aljazeera.com		Edit Delete Download PDF

ADD NEW MEETING

Admin Registration.

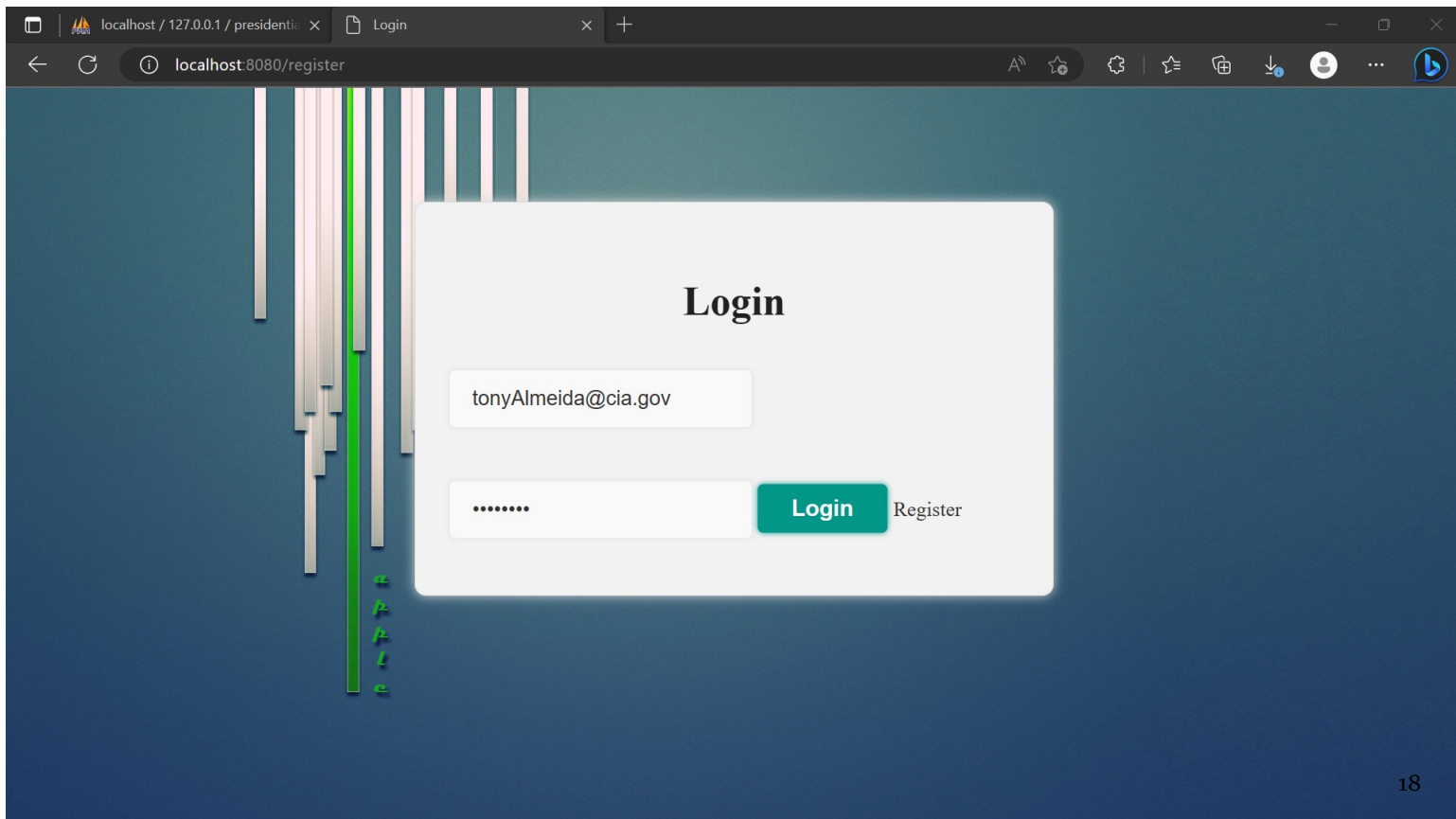


The browser window displays a registration form titled "Registration" on a dark blue background. The form contains several input fields and a dropdown menu, all filled with the following text:

- First Name: Tony
- Last Name: Almeida
- Phone Number: +2507800000012
- Email: tonyAlmeida@cia.gov
- Password:
- Role: ADMIN

Below the form is a blue "REGISTER" button and a blue "Log in" link. The browser's address bar shows "localhost:8080/register?". On the left side of the browser window, there is a decorative graphic consisting of vertical bars of varying heights and colors (white, green, pink, grey) and a portion of the United States flag.

Login as an Administrator.



localhost / 127.0.0.1 / presidenti x Login

localhost:8080/register

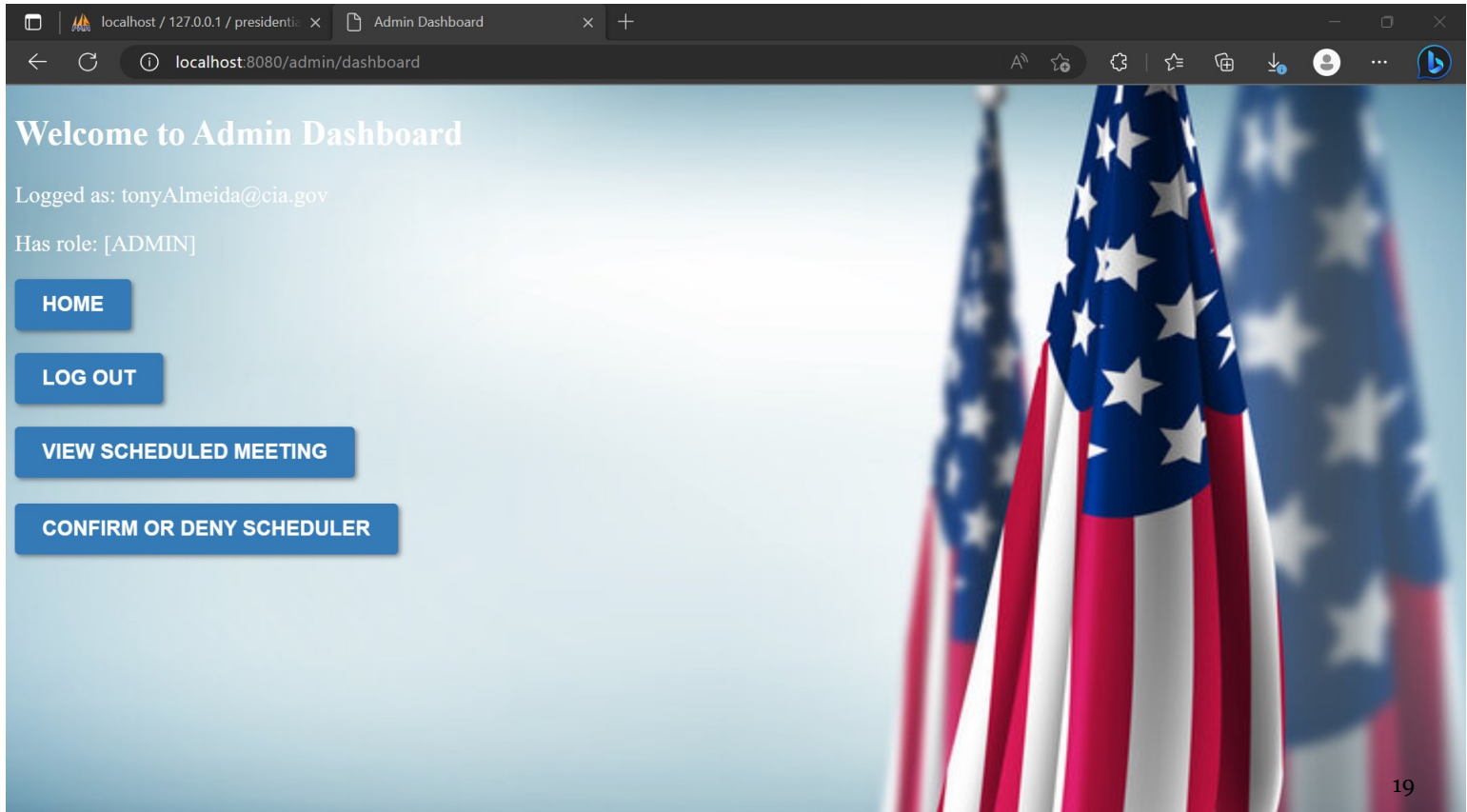
Login

tonyAlmeida@cia.gov

.....

Login Register

Admin Dashboard: press view Scheduled Meeting.



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 with a large, faint illustration of the White House in the center. On the left and right sides, there are stylized American flags. The page title is "Presidential Meetings".

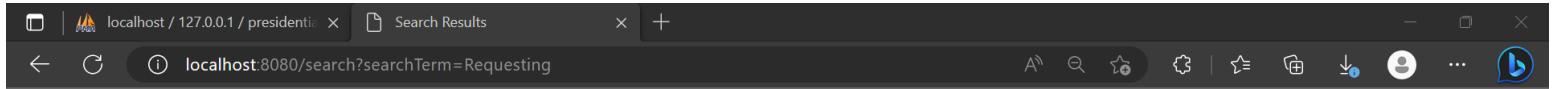
Navigation buttons include "LOGOUT" and "HOME". A search bar is present with the text "Requesting" entered. Below the search bar is a blue "SEARCH" button.

A table displays the search 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, there 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	Cancel

Deleting Meetings: Press Delete Button.

localhost:127.0.0.1 / presidential: x Presidential Meetings x +

localhost:8080/view?

localhost:8080 dice
Are you sure you want to delete this meeting?

Acceptar Cancelar

Presidential


LOGOUT

HOME

Search

Enter agenda's keywords

SEARCH

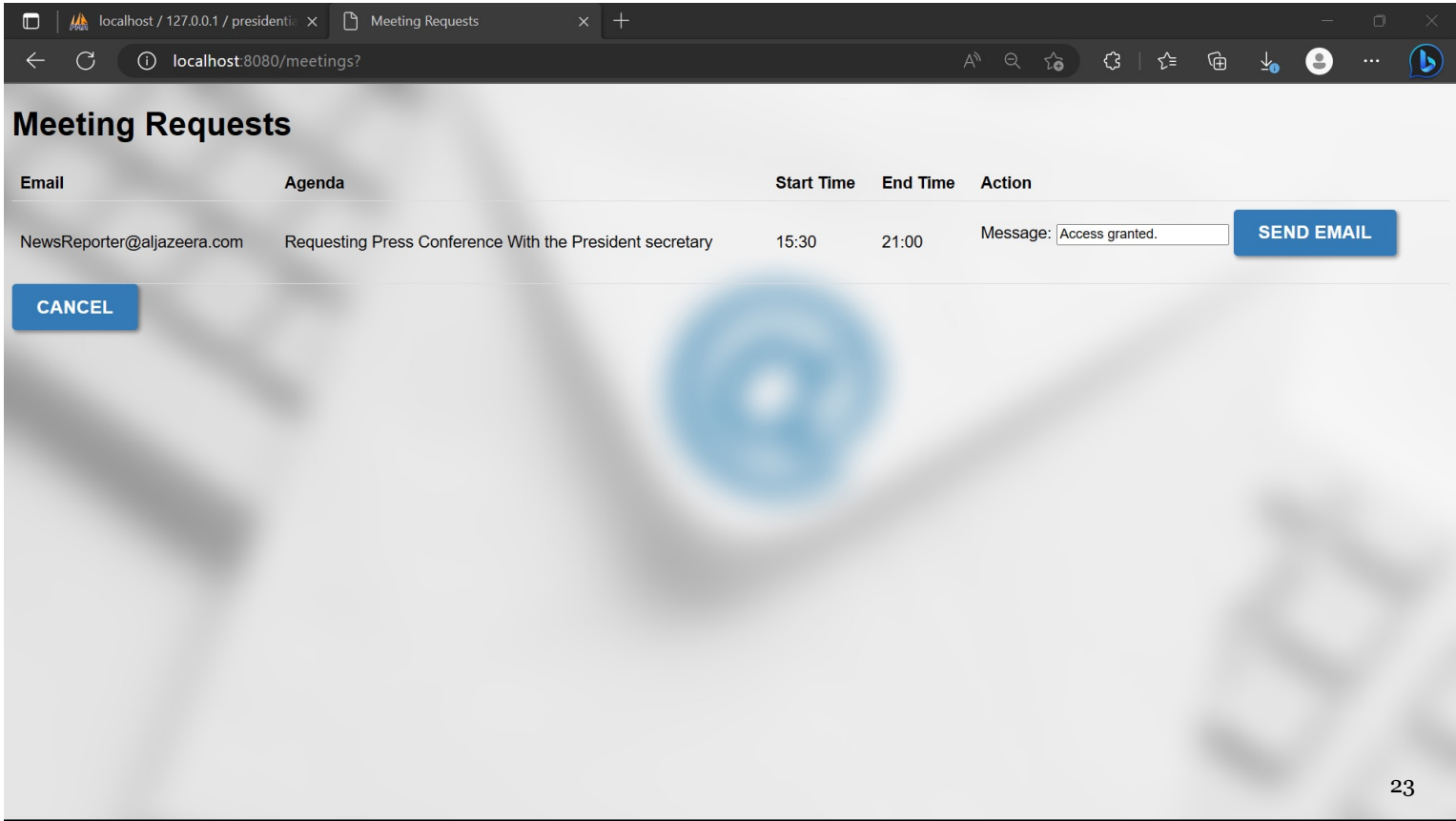
Date	Start Time	End Time	Agenda	Name	Email	Profile	Actions
2023-05-12	15:30	21:00	Requesting Press Conference With the President secretary	Maryam Nemazee	NewsReporter@aljazeera.com		Edit Delete Download PDF

ADD NEW MEETING

ikiW tce9r 6

22

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



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/meetings?'. The page title is 'Meeting Requests'. Below the title is a table with the following columns: Email, Agenda, Start Time, End Time, and Action. A single row is visible in the table with the following data: Email: NewsReporter@aljazeera.com, Agenda: Requesting Press Conference With the President secretary, Start Time: 15:30, End Time: 21:00, and Action: Message: Access granted. To the right of the 'Message' text is a 'SEND EMAIL' button. Below the table is a 'CANCEL' button.

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

CANCEL

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.

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