SOFTWARE REQUIREMENTS SPECIFICATION

for

AutomatingSenateMeetingScheduling

Version 1.0

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Contents

Chapter 1

Introduction

Automating Senate Meeting Scheduling is a Web Application built on PHP. It provides the ability to schedule a senate meeting by dean academic office through this application. and Each senate will receive a meeting invitation through email.
On the other hand,dean academic office is willing to schedule a meeting for their organization for taking decision on any agenda by senate,can send the invitation to the senate.where Each senate open email and see the invitation with the list of agenda. they can accept or reject the meeting invitation
For senate outside the organization will receive a mail on there register email address with the list of agenda from dean academic office.they can accept or reject the invitation.

1.1 Purpose

The purpose of designing the automating Senate Meeting Scheduling is to give the dean academic office a platform for schedule senate meeting for taking decision on various agenda. Instead of sending invitation to all the senate one by one we want to provide a platform that will automatically send invitation to all the senate and it also keeps track of all the meeting.
Doing so not only removes the hassle sending invitation manually But also save record of the agenda and decision taken during meeting.
Once senate accept or reject the invitation dean academic office can record the attendance of all the senate. who wants to participate in the meeting,thus further reducing the dean academic office task of record keeping.
This is basically a platform where dean academic office send meeting invitation to senate for discuss on the agenda and also record the attendance after accepting or rejecting the invitation.

1.2 Intended Audience and Reading Suggestions

This document is intended to be read by invigilating faculty,fellow students and any future intended developer. Project panel can use this document to ensure the quality of the product and developers can use it as reference for initial prototype.
Alongside,development teams intending to code systems that filter out databases, and also

1.3 Project Scope

This virtual platform the help the dean academic office for arrange any senate meeting for taking decision on any agenda.
It will send the email invitation automatically to the senate email id with the point of decision (agenda of the meeting) and also have link for marking presence in the meeting.
It reduces the hassle of sending email invitation to the senate member and also record the presence of senate.

1.4 Definitions, Acronyms and Abbreviations

- HTML :it is the standard markup language for creating Web pages.
- CSS :It describes how HTML elements are to be displayed on screen, paper, or in other media
- JavaScript :It is the programming language of the Web.
- Php:It is a server scripting language, and a powerful tool for making dynamic and interactive Web pages.
- Bootstrap :It utilizes Sass for a modular and customizable architecture. Import only the components you need, enable global options like gradients and shadows, and write your own CSS with our variables, maps, functions, and mixins.
- MySql:It is the language to deal with databases
- Xampp :It is a cross-platform web servers, which helps developers to create and test their programs on a local webserver..

1.5 References and Acknowledgments

In order,to study how SRS is constructed geeksforgeeks was referred. To verify functional requirements of the project, tutorial points was referred along with video lecture on freecodecamp.In order to identify possible software and hardware constraints, rails documentation was used.To build UML diagrams Over leaf was used.

- https://www.geeksforgeeks.org/how-to-write-a-good-srs for-your-project
- https://www.w3schools.com/php/
- https://youtu.be/fmyvWz5TUWg
- https://www.javatpoint.com/xampp
- https://www.overleaf.com/project

Chapter 2

Overall Description

2.1 Product Overview

This is a automated platform that ease out the senate meeting scheduling. When ever college organization(dean academic office) need's to schedule a senate meeting on an agenda. then by using this web application they will send the invitation along with agenda of meeting automatically to senate.
Further the senate have choice to accept or reject the invitation on the provided link in email.after the completion of the meeting dean academic office will upload the final decision document on all the above agenda of meeting.
For dean academic office this platform will reduce the afford of sending email invitation to senate, manually.and by using this web application give an edge to schedule the senate meeting automatically.

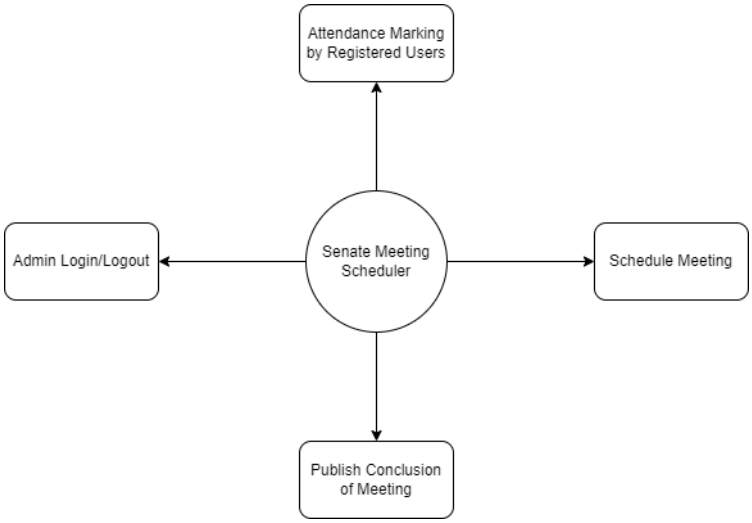

Figure 2.1: Automating Senate Meeting Scheduling Overview diagram

2.2 Product Functionality

A)Dean academic office:

- Login and View/Update Profile.
- Send senate meeting invitation.
- Record the attendance.
- Publish the decision document.

B)Senate:

- View the agenda.
- Accept or reject the invitation.

2.3 Design and Implementation Constraints

we will host this web application currently on local server. Hardware limitations are : The processor should be above Pentium 5, Memory should be around 100 MB,RAM above 500 MB and any latest browser is required. The front end built using HTML,CSS,BOOTSTRAP and databases implemented using MySQL and the entire system is build on Php ,thus these all should be able to run smoothly on development system.

2.4 Operating Environment

The website will be operate in any Operating Environment - Mac, Windows, Linux etc.
All the major browsers and ones that use the latest version of Web-Kit, Blink, or Gecko, whether directly or via the platform's web view API will be able to run system.

Chapter 3

Specific Requirements

3.1 External Interface Requirements

3.1.1 User Interfaces

For Dean academic office:

- Login Interface: to login in into their account.
- Profile Interface: to view/update their own details.
- Send senate meeting invitation:to send the invitation to the senate for decision on various agenda.
- Record the attendance: to view which senate accept or reject the invitation.
- Publish the decision document: to view decision of the meeting on the agenda.

For Senate:

- View the agenda: senate can view agenda on there invitation email.
- Accept or reject the invitation: to accept or reject the meeting invitation.

3.1.2 Hardware Interfaces

Any computer system with given specification is sufficient to use our product.

- processor: any x64/x86 or ARM architecture based processor.
- RAM: 512 MB or higher.
- HDD: 20 GB or higher.

3.1.3 Software Interfaces

- Database: SQLite3.
- Programming Language: HTML,CSS,JavaScript,Php,MySQL,Bootstrap.
- Framework:
- Any well known browser to run the system

3.2 Functional Requirements

A)Admin/Dean academic office:

- Maintain database record of all the meeting with the agenda.
- schedule the senate meeting.
- Automatically send the email invitation to senate with agenda.
- Record the attendance of senate.
- Public the conclusion document after completion of meeting.

B)Senate:

- Senate can view the agenda of meeting .
- Senate can accept or reject the meeting invitation.

C)User:

- User can view decision document.

3.3 Use Case Model

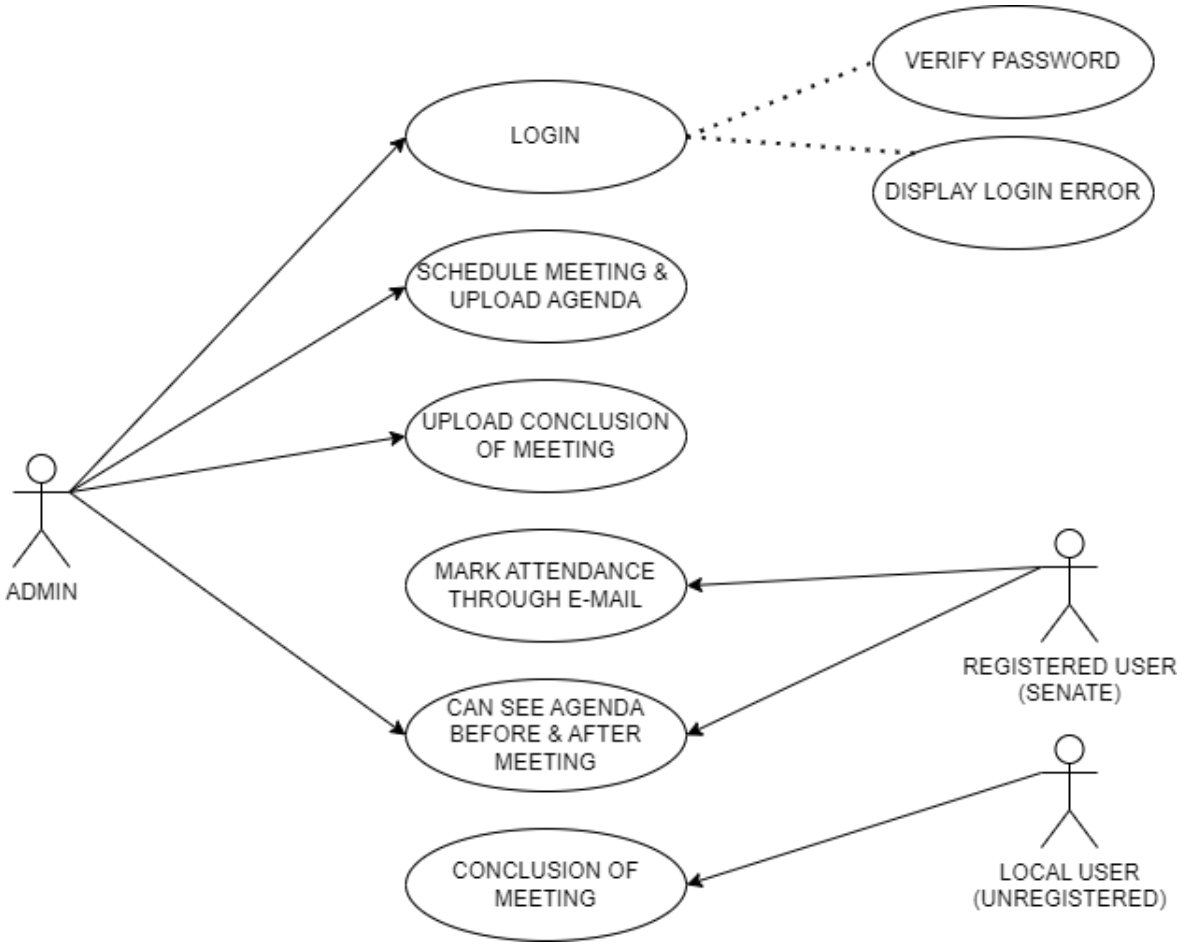

Figure 3.1: Automating Senate Meeting Scheduling Use Case Diagram

Chapter 4

Other Nonfunctional Requirements

4.1 Performance Requirements

UI must be dynamic enough to display job offers in real time.System should be scalable enough to accomodate multiple users at the same time. The UI must be sufficiently simple and user friendly to use.User authentication should be done with proper encryption and trusted libraries.

4.2 Safety and Security Requirements

All data should be send with default encryption only.The access of the database of verified companies will be only available with the admin ensuring data privacy and thus ensuring all employers are valid.

4.3 Software Quality Attributes

- SCALABILITY: Only use standard libraries and default SQLite3 database, so in future if required ,the site can be deployed to server.
- RELIABILITY: All the data transmission will take place using the inbuilt encyption provided by rails framework.
- TESTABILITY: Necessary test cases should be build to check the robustness of our system.

Chapter 5

Appendix A - Activity Log

Karan Kuwar Singh :
Jay Bharat Vora :
Tejas Khanderao Khangal :
Himanshu Dewangan :
K Srinivas :

Everyone did their respective part of work as per discussed by the team .
Later we reviewed everyone's work and made changes accordingly.