

Project Report on

University Voting System

Submitted to

Savitribai Phule Pune University

In the partial fulfillment of the requirement of the award of the degree
of

Bachelor of Business Administration- Computer Application,
TYBBA -CA, Sem-VI

Academic Year 2022-23

By

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Under the guidance of

Prof. Amit Tale

Through



Alandi (D)- Pune 412105



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CERTIFICATE

Department of Computer Application

This is to certify that Mr. Mihir Ahir, of TYBBA-CA, Sem-VI, has successfully completed project work entitled **University Voting System** in the partial fulfillment of the requirement of the degree of Bachelor Of Business Administrator-Computer Application for the Academic Year 2022-23.

Prof. Amit Tale
Project Guide

Dr. Vikas Mahandule
Head of the Department

Internal Examiner

External Examiner

Acknowledgement

The words are not enough to express my thanks to **Dr. B. B. Waphare, Principal, MIT Arts Commerce and Science College Alandi (D)** for providing me with the opportunity to avail the excellent facilities and infrastructure of the institute.

It is my proud privilege to express my profound gratitude to **Dr. Vikas Mahandule, HOD, Computer Application Department**, for his astute guidance, constant encouragement and sincere support throughout my academic course.

I thank you with my honest gratitude to **Prof. Amit Tale** for his inspiration, constructive suggestions and affectionate guidance in my project work completion.

Last but not the least, I express my sincere thanks to all my dear friends and family members for their constant motivation, moral support and invariable direction throughout my life.

DECLARATION

I, **Mihir Ahir**, hereby declare that this project work entitled **University Voting System** submitted at MIT, Arts Commerce and Science College, Alandi(D), (Affiliated to Savitribai Phule Pune University) is a record of original work done by me under the supervision and guidance of Prof.Amit Tale, Department of Computer Application.

Signature :

1) Name of Student : Mihir Ahir
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Date :12/05/2023

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PROJECT PROFILE

❖ Project Profile

- ❖ **Project Name:** University Voting System
- ❖ **Type of Application:** Web Base Application
- ❖ **Project Description:** University voting system is Web Based Application for students to vote online to elect CR/FR/FGS. After Process is done, they can easily see result online.
- ❖ **Front End:** HTML5, CSS3, PHP, JavaScript
- ❖ **Back End:** MYSQL
- ❖ **Other Tools used:** Draw io, Notepad++, Word, XAMPP

INTRODUCTION TO TOOLS

❖ Introduction to Tools

➤ **Front End Tool:**

1. HTML5

⇒ Hypertext markup language (HTML) is the standard markup language for creating web pages and web applications. With CSS (cascading style sheet) and JavaScript it forms a trio of technologies for the World Wide Web. Web browser receive HTML documents from a web server or from local storage and render them into multimedia web pages. HTML elements are building blocks of HTML pages. HTML can embed programs written in a scripting language such as JavaScript. Which affect the behavior and content of web pages. Inclusion of CSS defines the look and layout of content of web pages.

2. CSS3

⇒ CSS stand for cascading style sheets. CSS is used to define styles for web pages, including the design, layout and variations in display for different devices and screen sizes. CSS saves a lot of work. It can control the layout of multiple web pages all at once. External style sheets are stored in CSS files.

3. PHP

⇒ PHP is called as Hypertext preprocessor it is widely used open source general purpose scripting language. PHP is specially use suitable for web development and can be embedded into HTML. The PHP code is enclosed in special start and end processing instructions `<?php` and `?>` that allow you to jump into and out of “PHP mode”.

⇒ The best things in using PHP are that it is extremely simple for new programmers, but it offers many advanced features for a professional programmer. PHP’s development is focused on server side scripting, you can do much more with it.

4. JavaScript

⇒ JavaScript is a programing language that adds interactivity to your websites. For example games responses when buttons are pressed or data entered in forms, dynamic styling and animation. JS (JavaScript) is dynamic programing language that applied to an html document, can provide dynamic interactivity on websites.

⇒ JavaScript is incredibly versatile. You can start small, image galleries and responses to button clicks. With more experiences you will be able to create games, animated 2d and 3d graphics and much more.

➤ **Back End Tool:**

1. MYSQL

Mysql is an OpenSource Relational Database Management System. MySQL is written in C and C++. MySQL was created by a Swedish company, MySQL AB, founded by David Axmark, Allan Larsson and Michael "Monty" Widenius. Original development of MySQL by Widenius and Axmark began in 1994

SYSTEM STUDY

1. Existing System:

- Existing system is totally based on manual system so it was very time consuming and also occupy lot more space to store hard copies physically. Manual system does not contain more feature compare to propose system as we are going to transform manual system to web based system.
- To maintain the manual system is a very difficult task or we can say it is very difficult process because we cannot store all information about university elections in hard copy, it can be lost, it can also get erased after some time so it cannot stay as it is for a very long time.

2. Proposed System:

- Propose system is totally web based system. We are going to make very user friendly system in that students can vote and elect CR/FR/FGS.
- The votes are stored in the system Database. After calculation of votes result will be displayed.

3. Scope of the Proposed System:

- Can get more Increasing Number of votes as Individuals will find it easier and more convenient to vote.
- Can get more voters compare to manual voting.
- Generate and compare reports.
- No papers required.

4. Aim and Objective of the Proposed System:

- Aim is to achieve more voters across area limits.
- Objective is to get transparent and faster result of election.

SYSTEM ANALYSIS

Actors:

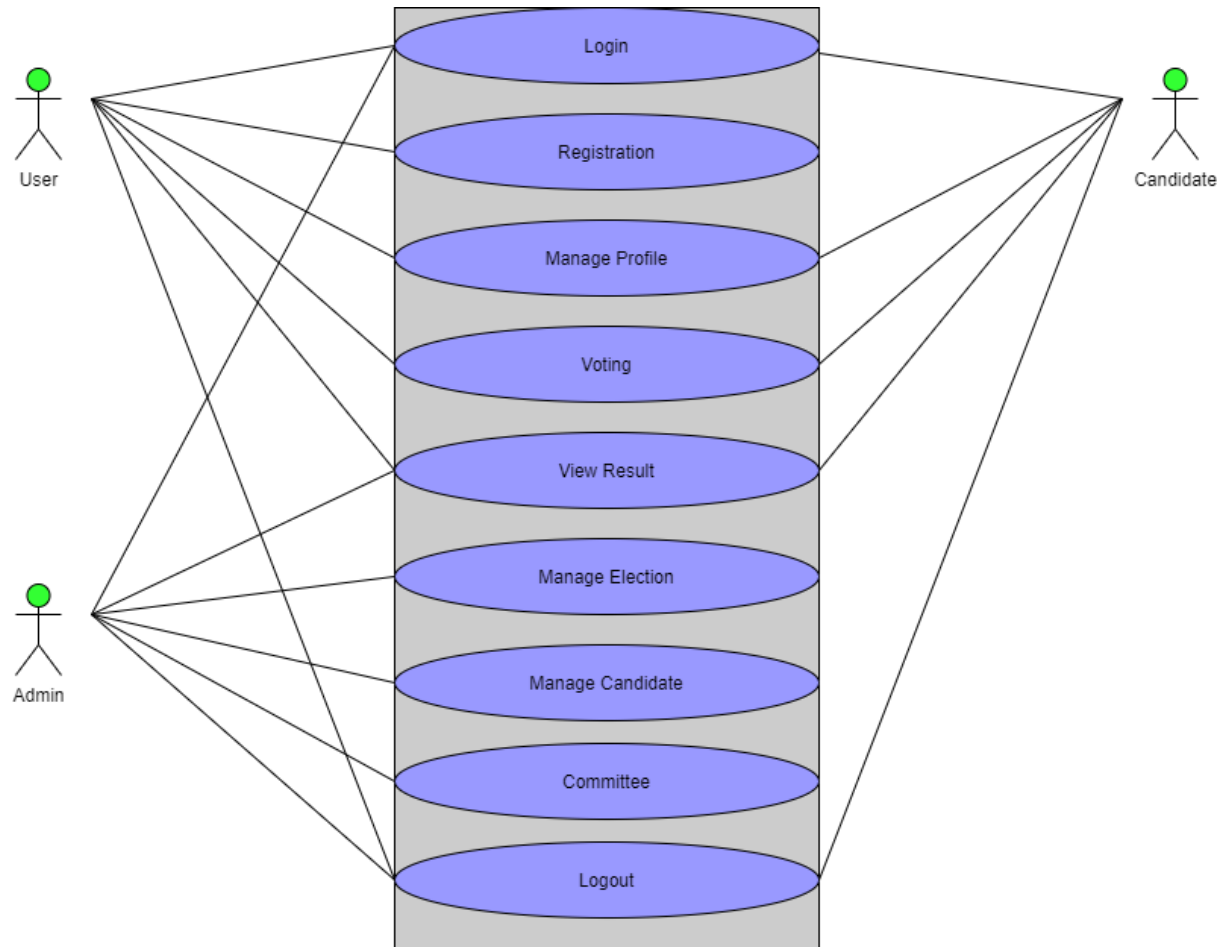
- Administrator
- Candidate
- Voter

Module:

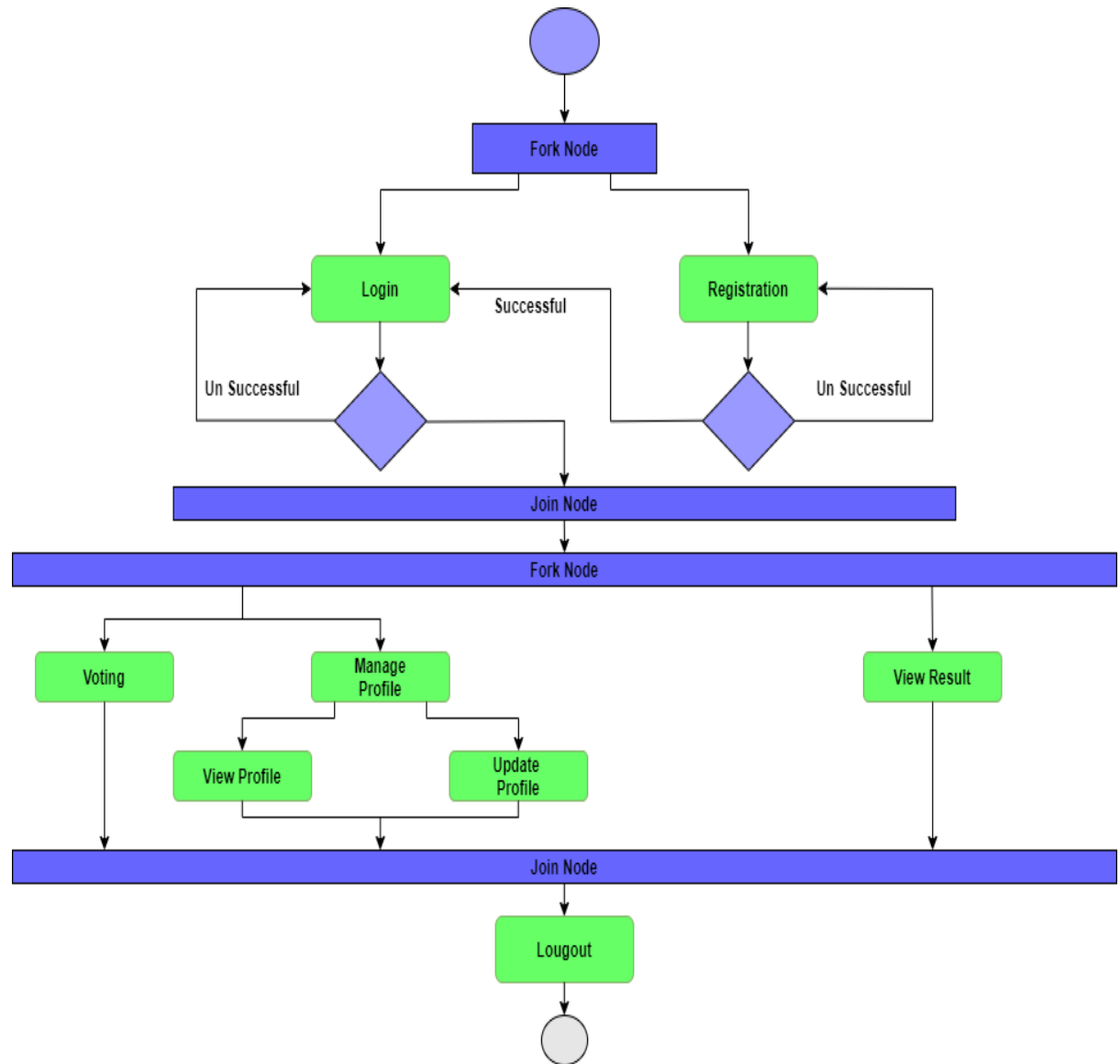
- Registration Module
- Login Module
- Candidate Module
- Election Module

Use case diagram:

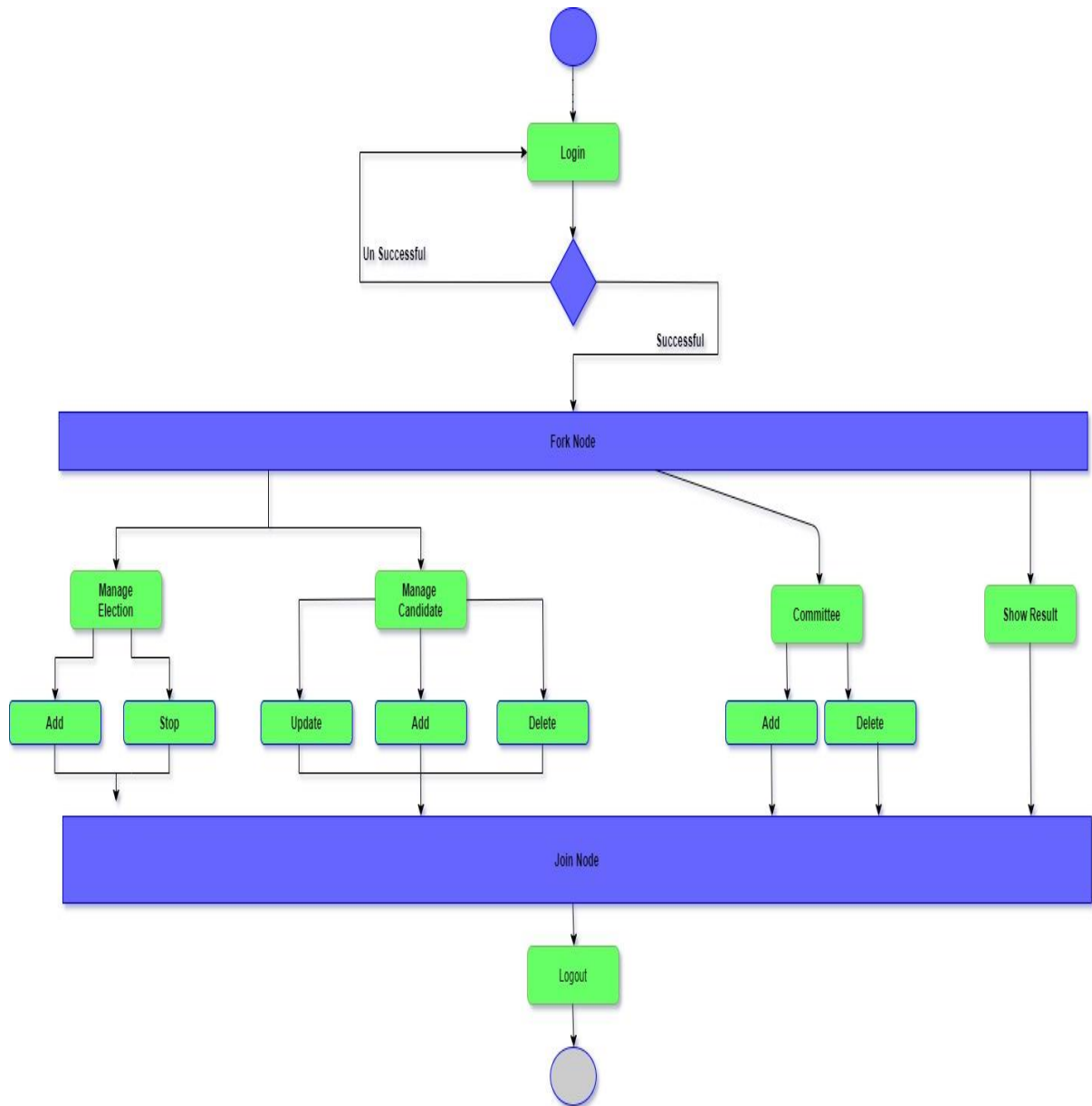
User and Candidate:



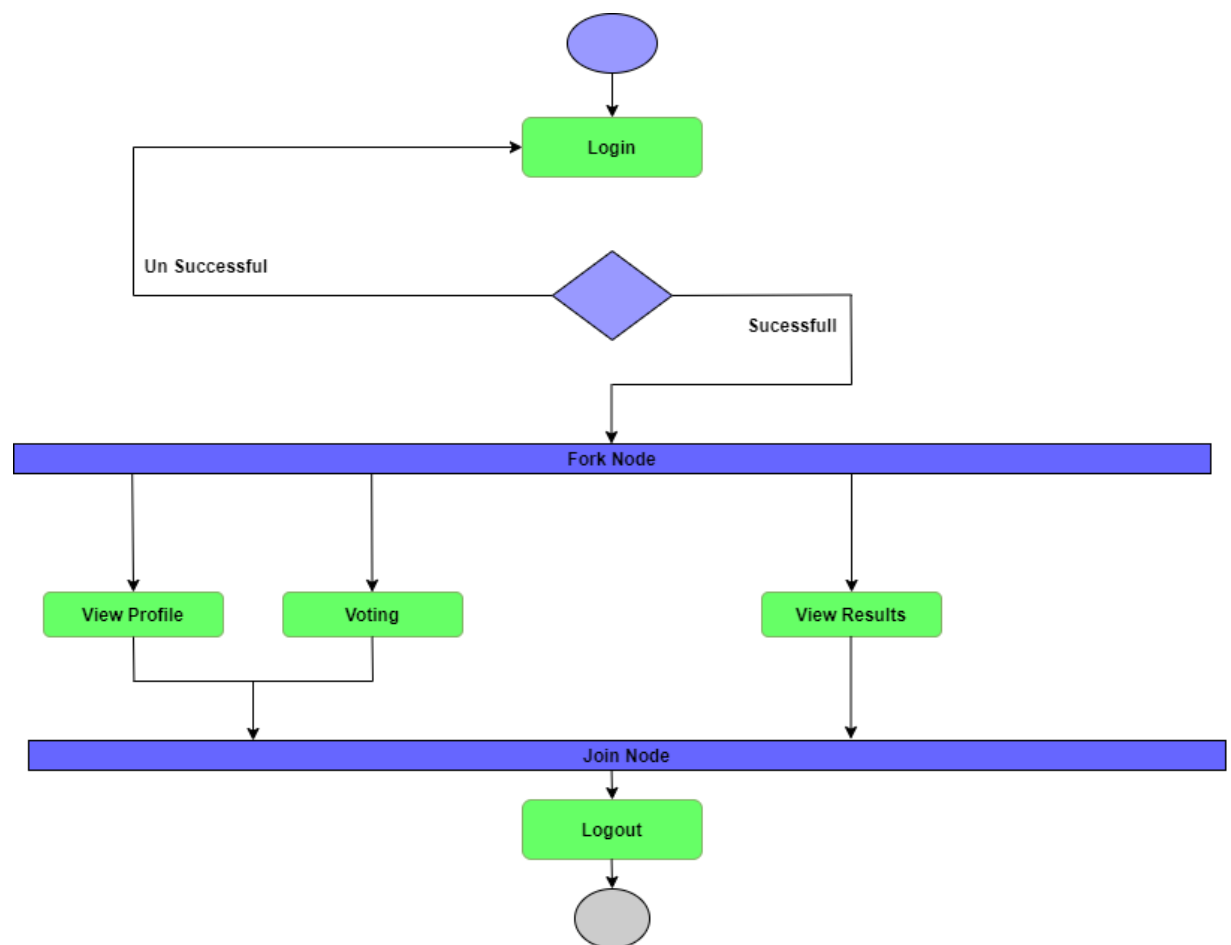
Activity diagram: User



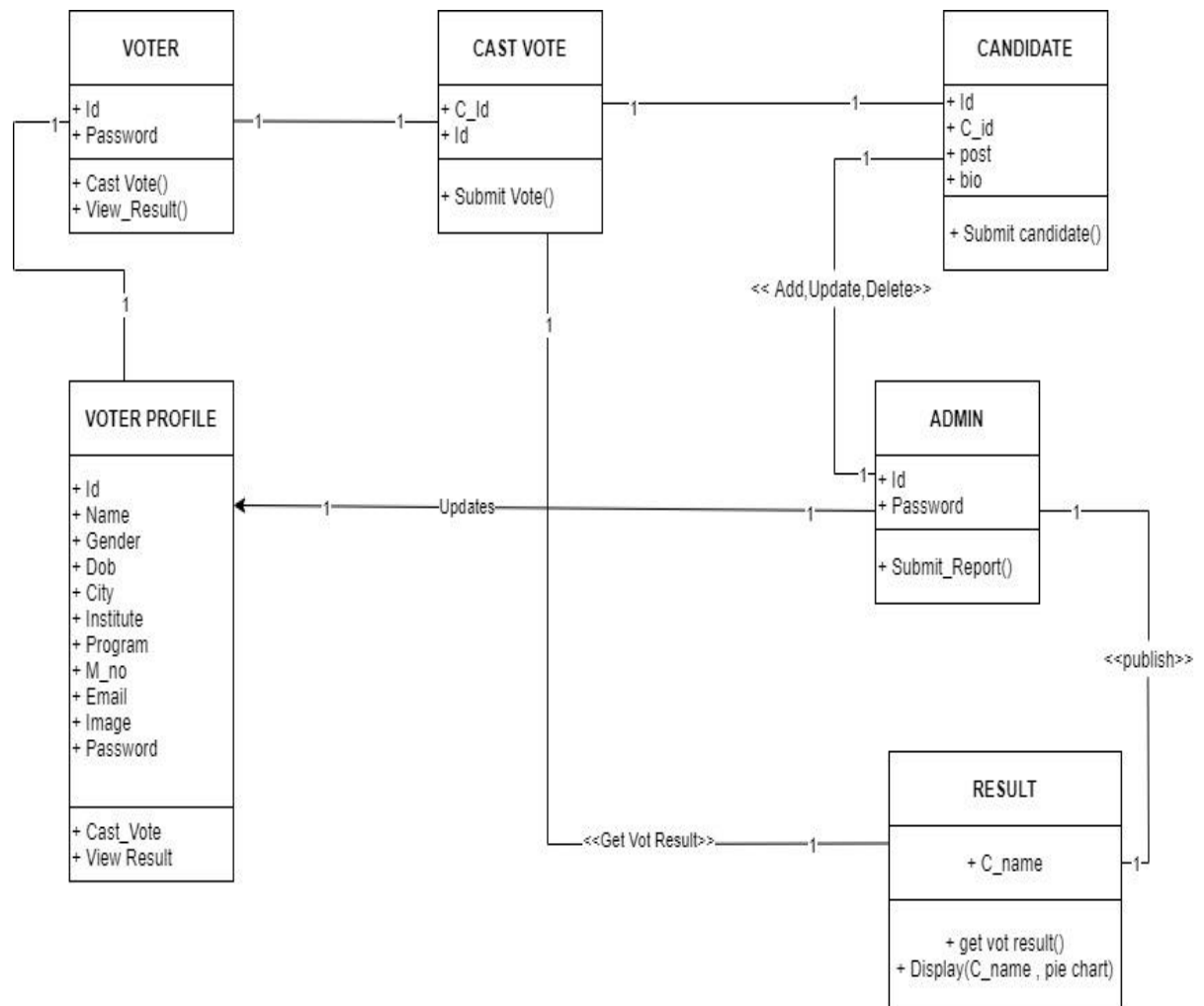
Activity diagram: Admin



Activity diagram: Candidate



Class Diagram:



SYSTEM DESIGN

Data Dictionary

1) voter_master: - This table will store the user details

Sr.NO	Field Name	Data type	Size	Constraint	Description
1.	Id	Varchar	8	Primary key	Stores voter id
2.	Name	Varchar	50	Not_Null	Stores user name
3.	Gender	Varchar	6	Not_Null	Stores Gender of user
4.	Dob	Date	-	Not_Null	Stores Birthdate of user
5.	City	varchar	25	Not_Null	Stores City of user
6.	Institute	varchar	30	Not_Null	Stores User's Institute
7.	Program	varchar	10	Not_Null	Stores User's Program
8.	M_no	bigint	10	Not_Null	Stores Mobile number of user
9.	Email	varchar	35	Not_Null	Stores Email of user
10.	Image	varchar	300	Not_Null	Stores Path of Image
11.	Password	varchar	25	Not_Null	Stores Password of user
12.	Voted	varchar	3	Not_Null	Indicates if user have voted or not.

2) Committee :- Stores data of all committee.

Sr.NO	Field Name	Data type	Size	Constraint	Description
1)	C_id	Varchar	10	Primary key	Stores Id of Committee
2)	C_name	Varchar	20	Not_Null	Stores name of committee
3)	C_image	Varchar	300	Not_Null	Stores path of Committee image

3) candidate_info:- This table will store the candidate information.

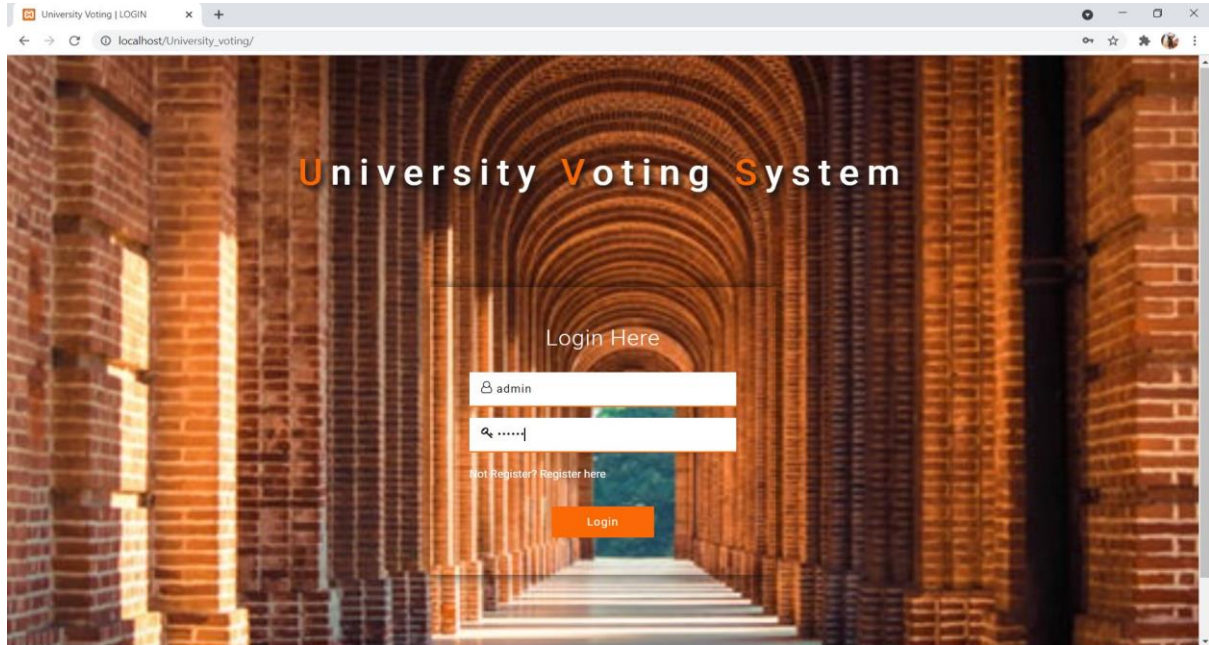
Sr.NO	Field Name	Data type	Size	Constraint	Description
1.	Id	Varchar	8	foreign key	Id of candidate
2.	C_id	Varchar	10	foreign key	Foreign key from committee, Id of candidate
3.	Post	Varchar	10	Not_Null	post of candidate
4.	Bio	Varchar	500	Not_Null	Details of candidate

4) voting:- committee voting store

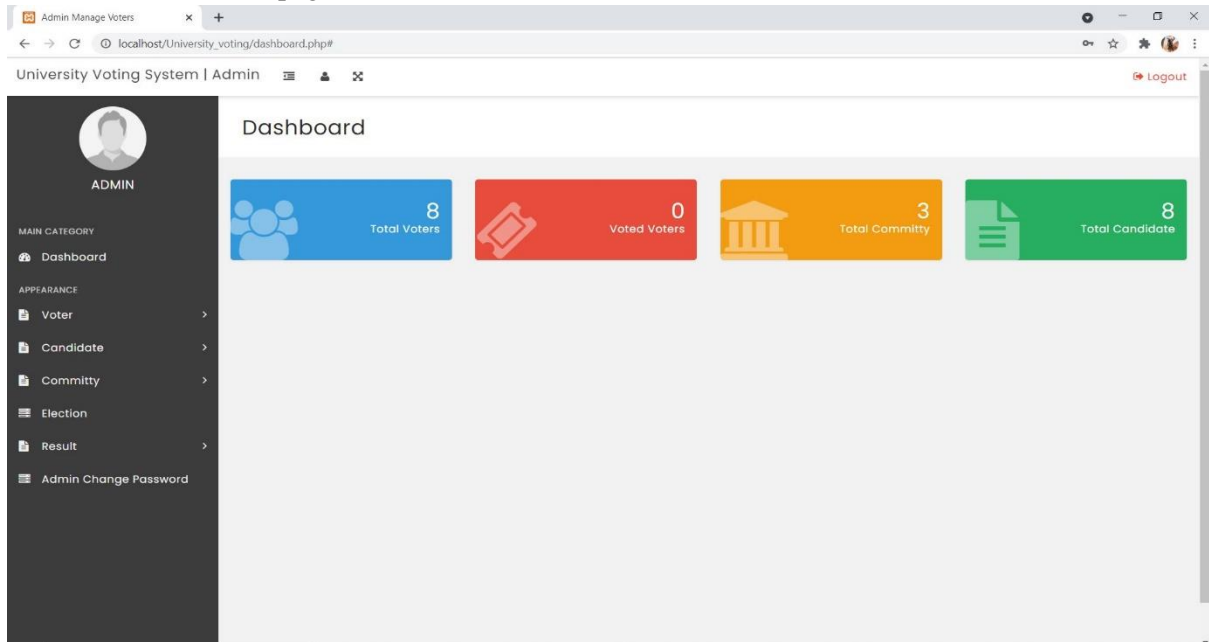
Sr.NO	Field Name	Data type	Size	Constraint	Description
1.	C_id	Varchar	8	foreign key	Stores Id of voter.
2.	Cr	Varchar	8	Not_Null	Stored Id of CR which is selected/voted by voter.
3.	Fr	Varchar	8	Not_Null	Stored Id of FR which is selected/voted by voter.
4.	Fgs	Varchar	8	Not_Null	Stored Id of FGS which is selected/voted by voter.

Screen layouts

1. Login Page (admin id and password)



2. Admin Dashboard page.



3. List of Voter

The screenshot shows the 'Voter List' page in the University Voting System Admin interface. The left sidebar contains a navigation menu with options: Dashboard, Voter, Candidate, Committy, Election, Result, and Admin Change Password. The main content area displays a table of voters with columns: #, Id, Name, Gender, Institute, Program, Contact, Email, Voted, and Action. The table lists 10 voters, including Vrund Patel, Ami D Panchal, raj Yadav, Dhaval K Raval, Kiran S Vankar, Kajal v Mistry, Aniket M Jain, Krishna A Patel, Dhruvi Y Patel, and Manthan B Amdavadi. A search bar and pagination controls are also visible.

#	Id	Name	Gender	Institute	Program	Contact	Email	Voted	Action
1	18BCA002	Vrund Patel	Male	CMPICA	BCA	9825678820	vrund.patel@gmail.com	No	Edit
2	18BCA009	Ami D Panchal	Female	RPCP	B.Pharm	7983200655	ami.panchal@gmail.com	No	Edit
3	18BCA024	raj Yadav	Male	CMPICA	BCA	9235778523	raj.yadav@gmail.com	No	Edit
4	18BCA036	Dhaval K Raval	Male	PDPIS	MSC	9036478523	dhaval.raval@gmail.com	No	Edit
5	18BCA048	Kiran S Vankar	Male	RPCP	M. Pharm	9803446289	kiran.vankar@gmail.com	No	Edit
6	18BCA058	Kajal v Mistry	Female	PDPIS	BSC	8752415841	kajal.mistry@gmail.com	No	Edit
7	18BCA063	Aniket M Jain	Male	RPCP	M. Pharm	8759006541	aniket.jain@gmail.com	No	Edit
8	18BCA065	Krishna A Patel	Female	PDPIS	BSC	9820023520	krishna.patel@gmail.com	No	Edit
9	18BCA070	Dhruvi Y Patel	Female	ARIP	B.PT	7400361151	dhruvi.patel@gmail.com	No	Edit
10	18BCA093	Manthan B Amdavadi	Male	PDPIS	MSC	9235625523	manthan.amdavadi@gmail.com	No	Edit

4. Delete Voter

The screenshot shows the 'Edit Voter' page in the University Voting System Admin interface. The left sidebar is the same as in the previous screenshot. The main content area displays a form for editing a voter's details. The form fields are: UserID (18BCA002), Name (Vrund Patel), Gender (Male), DOB (1999-08-25), City (surat), Institute (CMPICA), Program (BCA), M_no (9825678820), Email (vrund.patel@gmail.com), and Voted (No). A blue 'Delete' button is located at the bottom of the form.

#	Id	Name	Gender	Institute	Program	Contact	Email	Voted	Action
1	18BCA002	Vrund Patel	Male	CMPICA	BCA	9825678820	vrund.patel@gmail.com	No	Edit

5. Add Candidate (View All voter > Click on Action To add)

University Voting System | Admin

Add Candidate

Home / Add Candidate

Show 10 entries

Search:

#	Id	Name	Gender	Institute	Program	Contact	Email	Action
1	18BCA002	Vrund Patel	Male	CMPICA	BCA	9825678820	vrund.patel@gmail.com	
2	18BCA009	Ami D Panchal	Female	RPCP	B.Pharm	7983200655	ami.panchal@gmail.com	
3	18BCA024	raj Yadav	Male	CMPICA	BCA	9235778523	raj.yadav@gmail.com	
4	18BCA036	Dhaval K Raval	Male	PDPIIS	MSC	9036478523	dhaval.raval@gmail.com	
5	18BCA048	Kiran S Vankar	Male	RPCP	M. Pharm	9803446289	kiran.vankar@gmail.com	
6	18BCA058	Kajal v Mistry	Female	PDPIIS	BSC	8752415841	kajal.mistry@gmail.com	
7	18BCA063	Aniket M Jain	Male	RPCP	M. Pharm	8759008541	aniket.jain@gmail.com	
8	18BCA065	Krishna A Patel	Female	PDPIIS	BSC	9820023520	krishna.patel@gmail.com	
9	18BCA070	Dhruvi Y Patel	Female	ARIP	B.PT	7400361151	dhruvi.patel@gmail.com	
10	18BCA093	Manthan B Amdavadi	Male	PDPIIS	MSC	9235625523	manthan.amdavadi@gmail.com	

Showing 1 to 10 of 15 entries

Previous 1 2 Next

University Voting System | Admin

Add Candidate

Home / Add Candidate

User ID : 18BCA002

Name : VRund Patel

Committy : ABVP

Post : CR

About : I am vrund

Add

6. Manage Candidate (Display candidate list > click On Action and Delete)

The screenshot shows the 'Manage Candidate' page in the University Voting System Admin interface. The page has a dark sidebar on the left with a user profile for 'ADMIN' and a list of navigation items: Dashboard, Voter, Candidate, Committy, Election, Result, and Admin Change Password. The main content area is titled 'Manage Candidate' and includes a breadcrumb 'Home / Manage Candidate'. Below the title, there is a 'Show 10 entries' dropdown and a search bar. A table displays a list of candidates with columns for #, Id, Committy, Post, About, and Action. The table contains 8 entries. At the bottom of the table, it says 'Showing 1 to 8 of 8 entries' and there are 'Previous', '1', and 'Next' buttons.

#	Id	Committy	Post	About	Action
1	18BCA001	1	CR	i am kavi bhagalia	Edit
2	18BCA009	2	CR	I am Ami	Edit
3	18BCA070	3	CR	I am Dhruvi	Edit
4	18BCA024	1	FR	This is Raj	Edit
5	18BCA058	2	FR	This is Kajal	Edit
6	18BCA101	3	FR	This is Divya	Edit
7	18MCA003	1	FGS	I am YT	Edit
8	18BCA132	2	FGS	I am Dp	Edit

The screenshot shows the 'Edit Candidate' page in the University Voting System Admin interface. The page has a dark sidebar on the left with a user profile for 'ADMIN' and a list of navigation items: Dashboard, Voter, Candidate, Committy, Election, Result, and Admin Change Password. The main content area is titled 'Edit Candidate' and includes a breadcrumb 'Home / Edit Voter'. Below the title, there are four input fields: 'UserID' (18BCA001), 'Name' (Kavi Bhagalia), 'Committy id' (1), and 'Post' (CR). Below these fields is a blue button labeled 'Delete'.

7. Committe List

The screenshot shows the 'Committe List' page in the University Voting System Admin interface. The browser address bar shows 'localhost/University_voting/committy_list.php'. The page has a dark sidebar on the left with a user profile 'ADMIN' and a menu with categories 'MAIN CATEGORY' (Dashboard) and 'APPEARANCE' (Voter, Candidate, Committy, Election, Result, Admin Change Password). The main content area is titled 'Committy List' and includes a breadcrumb 'Home / Committy List'. It features a table with 3 entries, a search bar, and pagination controls. The table data is as follows:

Id	Name	Action
1	ABVP	
2	NSUI	
3	ABC	

Showing 1 to 3 of 3 entries

8. Add Committee

The screenshot shows the 'Add Committy' page in the University Voting System Admin interface. The browser address bar shows 'localhost/University_voting/add_committy.php'. The page has the same dark sidebar as the previous page. The main content area is titled 'Add Committy' and includes a breadcrumb 'Home / Add Committy'. It features a form with three input fields: 'Committy ID', 'Committy Name', and 'Image'. The 'Image' field has a 'Choose File' button and the text 'No file chosen'. Below the form is a blue 'Add' button.

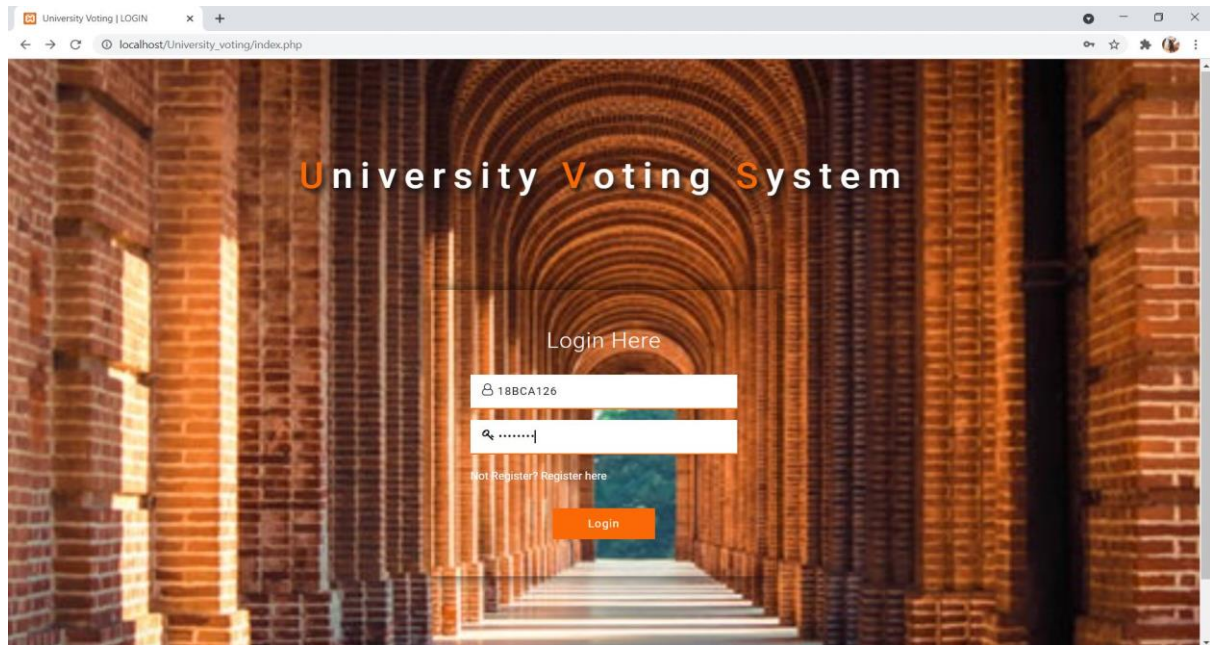
9. Edit Committee (To Delete Committee)

The screenshot shows the 'Edit Committy' page in the University Voting System Admin interface. The browser address bar shows the URL: `localhost/University_voting/edit_committity.php?C_id=1`. The page title is 'Edit Committy'. The breadcrumb trail is 'Home / Edit Committy'. The left sidebar shows the user profile 'ADMIN' and a menu with categories: MAIN CATEGORY (Dashboard) and APPEARANCE (Voter, Candidate, Committy, Election, Result, Admin Change Password). The main content area has two input fields: 'CommittyID : 1' and 'Name : ABVP'. Below these fields is a large blue button labeled 'Delete'.

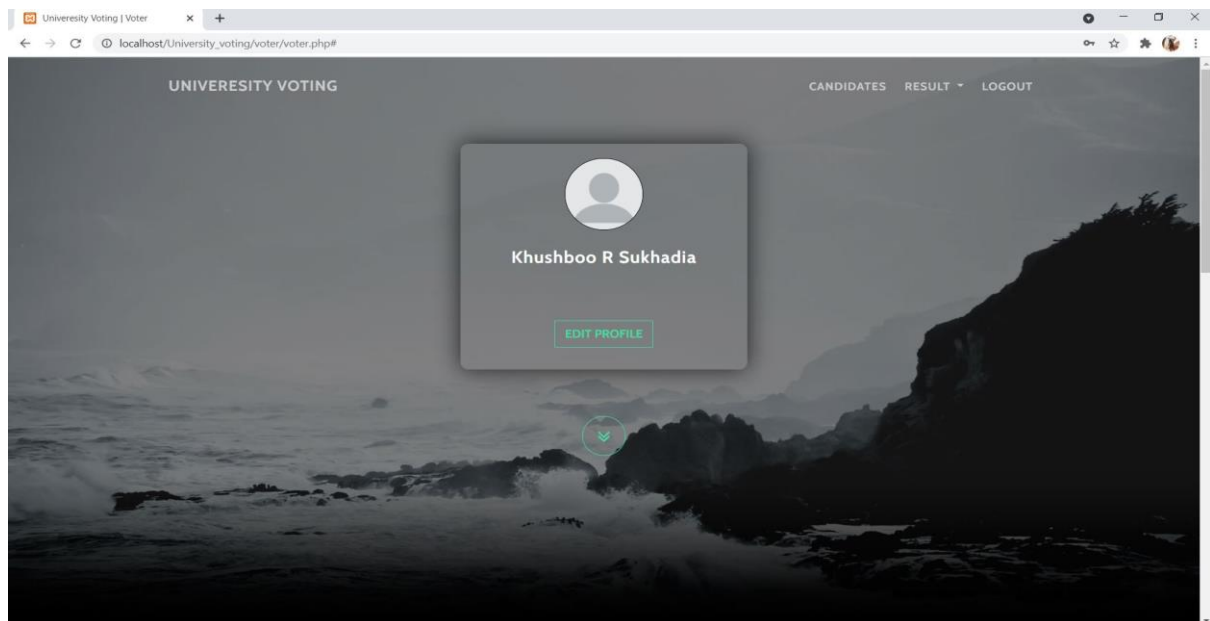
10. Election (Start And Stop Election)

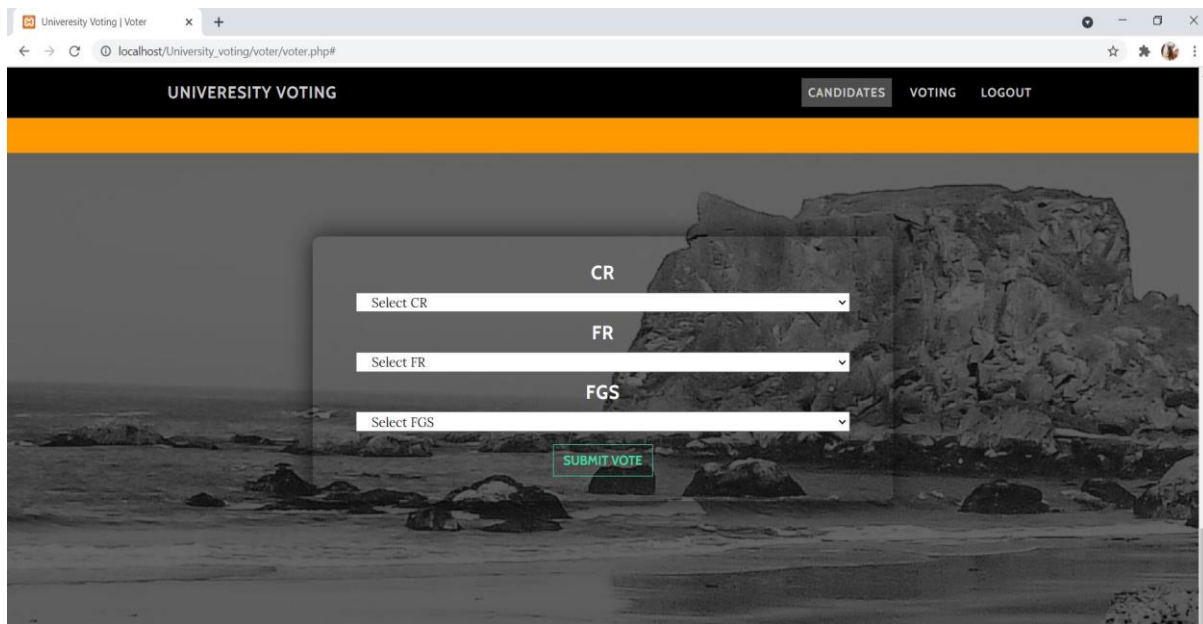
The screenshot shows the 'Dashboard' page in the University Voting System Admin interface. The browser address bar shows the URL: `localhost/University_voting/election.php`. The page title is 'Dashboard'. The breadcrumb trail is 'Home / Election'. The left sidebar shows the user profile 'ADMIN' and a menu with categories: MAIN CATEGORY (Dashboard) and APPEARANCE (Voter, Candidate, Committy, Election, Result, Admin Change Password). The main content area has two buttons: 'Start Election' and 'Stop Election'. Below these buttons, the text 'Election Is Stopped.' is displayed.

11. Login Page (voter id and password)

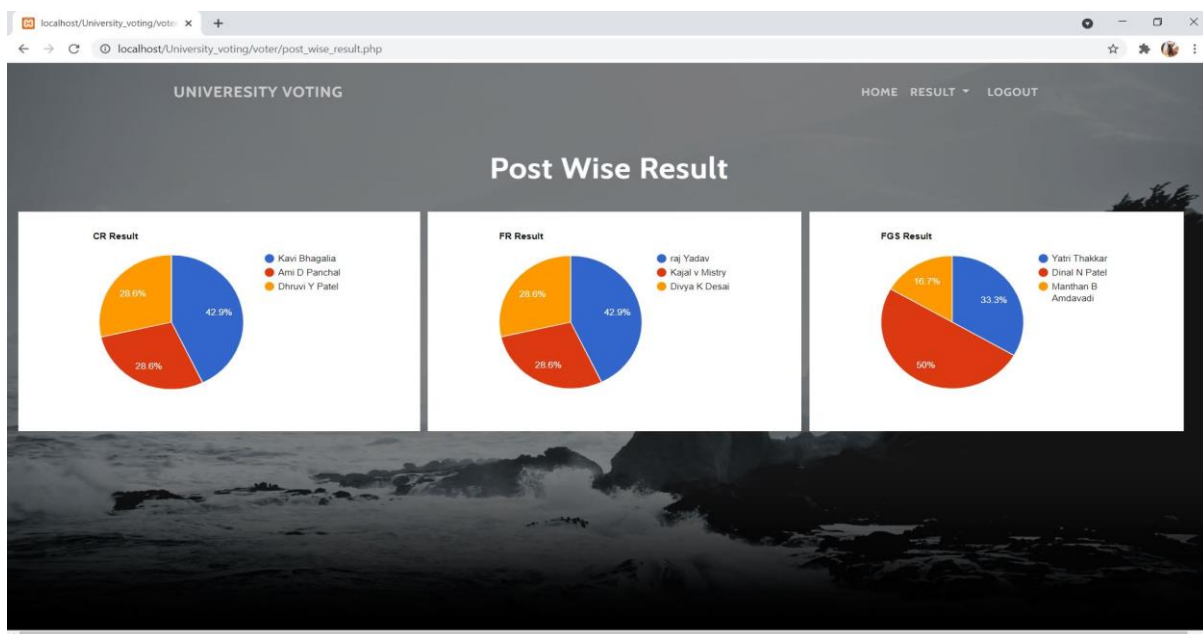


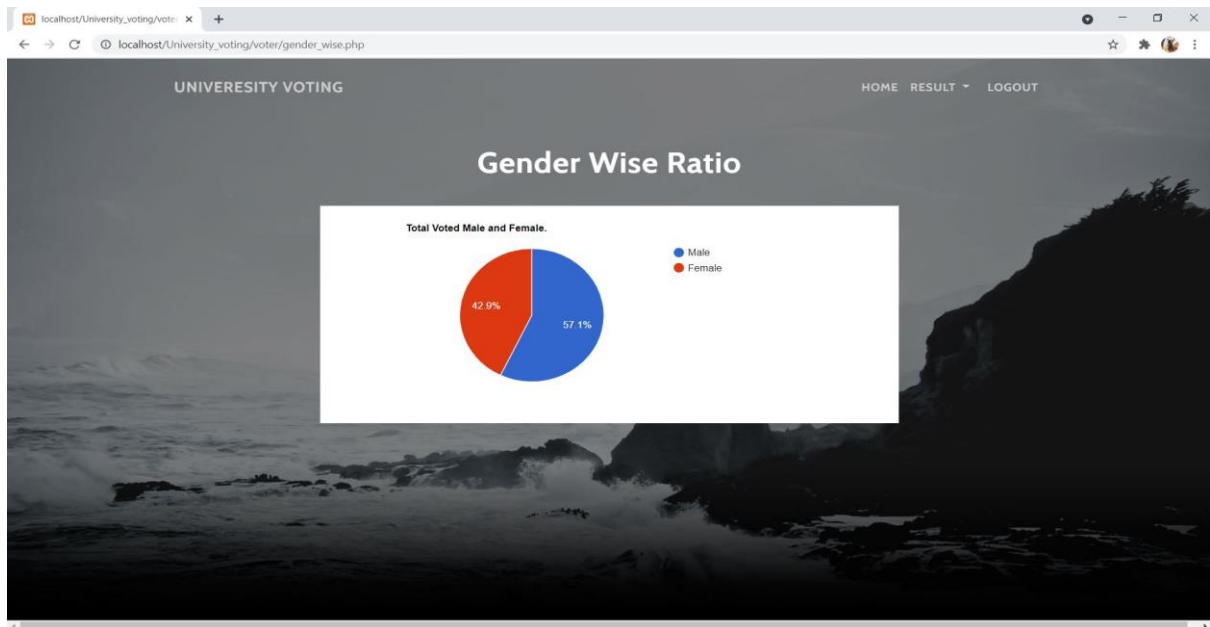
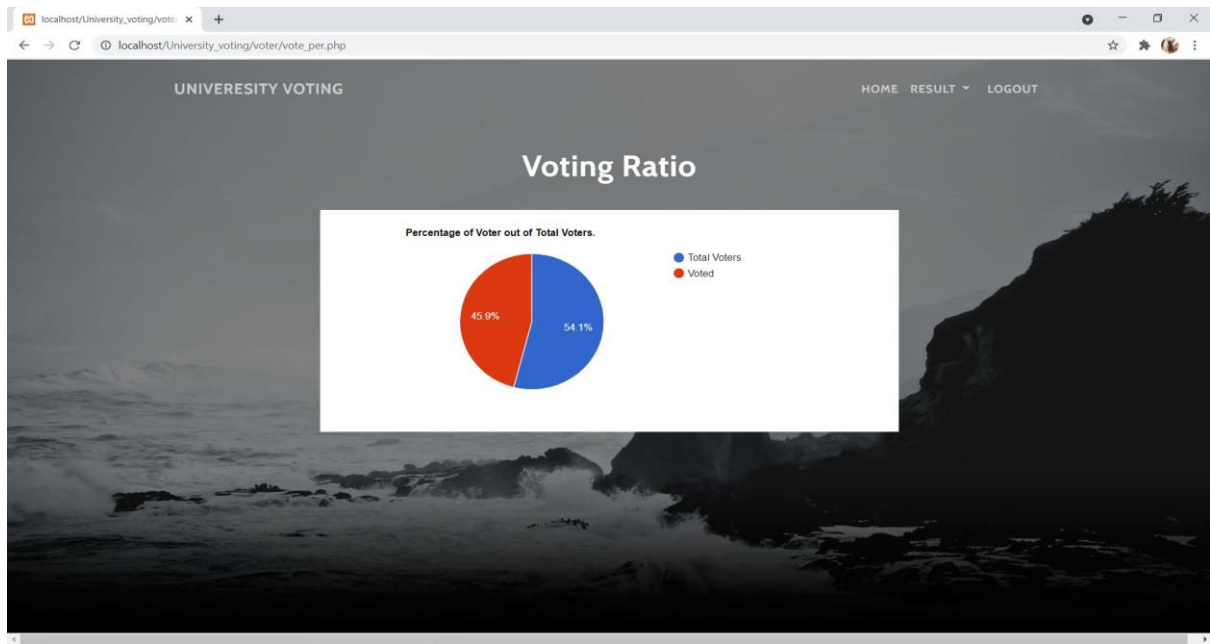
12. Voter Page (When Election Is Running)

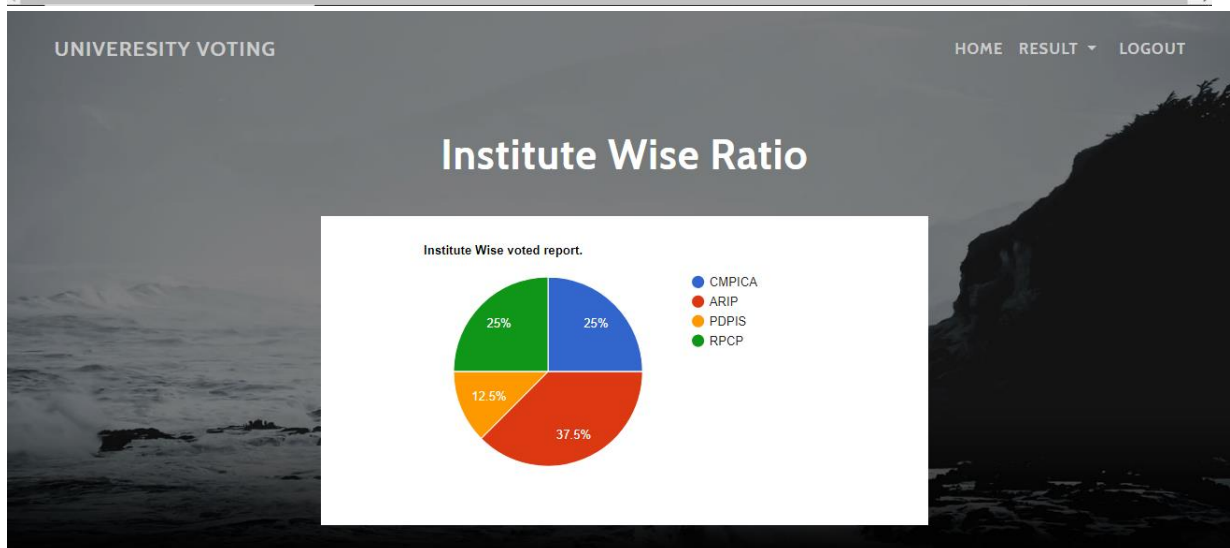
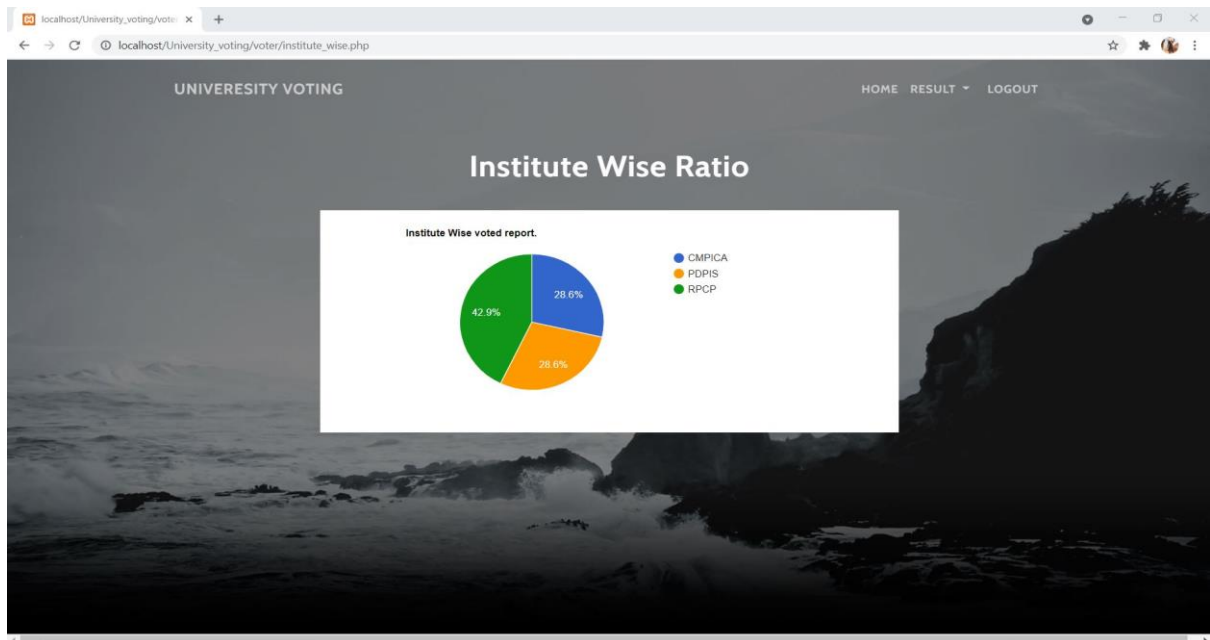




13. Voter Page (It Will Show Reports)







FUTURE ENHANCEMENTS

- Live Results Can be added.
- OTP service can be added for more security.
- Reports Comparisons to past data.

REFERENCES

➤ **References :**

+ www.w3schools.com

+ YouTube

Thank You