BANNARI AMMAN INSTITUTE OF TECHNOLOGY
An Autonomous Institution Affiliated to Anna University Chennai - Approved by AICTE - Accredited by NAAC with "A" Grade
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Stay Ahead

OUTCOME BASED LAB TASK

DBMS TASK

OUTCOME BASED LAB TASK REPORT

Submitted By,

KOKILA M

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An Autonomous Institution Affiliated to Anna University, Chennai
SATHYAMANGALAM - 638401.

MAY 2021

DECLARATION

I affirm that the lab task work titled "**DBMS TASK-3"** is being submitted as the record of original work done by us under the guidance of of Dr D Sasikala, Head Of the Department, COMPUTER SCIENCE AND BUSINESS SYSTEM

KOKILA M

(192CB126)

I certify that the declaration made above by the candidates is true.

Dr D Sasikala

TABLE OF CONTENTS

OUTCOME BASED LAB TASKS

RUBRICS FORM (*to be filled by the lab handling faculty only)

Student name:

Register number:

Name of the laboratory:

Name of the lab handling faculty:

Name of the task:

Experiments mapped:

1.
2.
3.

S.No	Rubrics	Reward points awarded
1		
2		
3		
4		
5		
Total (150 reward points)		

OBJECTIVE:

To developed an automated voting system, using Mysql.

PROBLEM STATEMENT:

Create a database application with any frontend and backend tool.

1. There should be a minimum of four relations in the database.
2. All the relations should be defined with its necessary constraints
3. Every relation must have a minimum of 10 records in it.
4. Generate the maximum possible reports using the frontend.

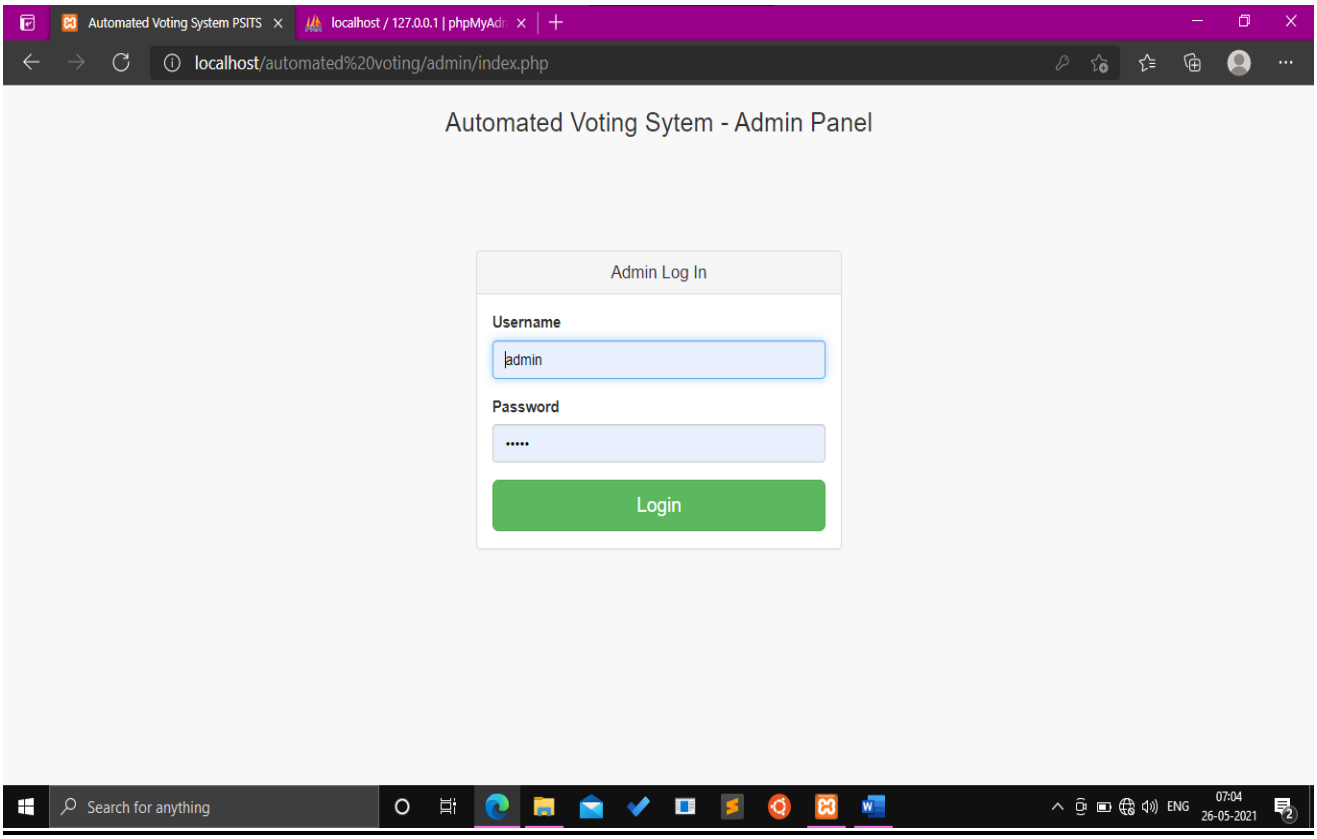
METHODOLOGY PROPOSED:

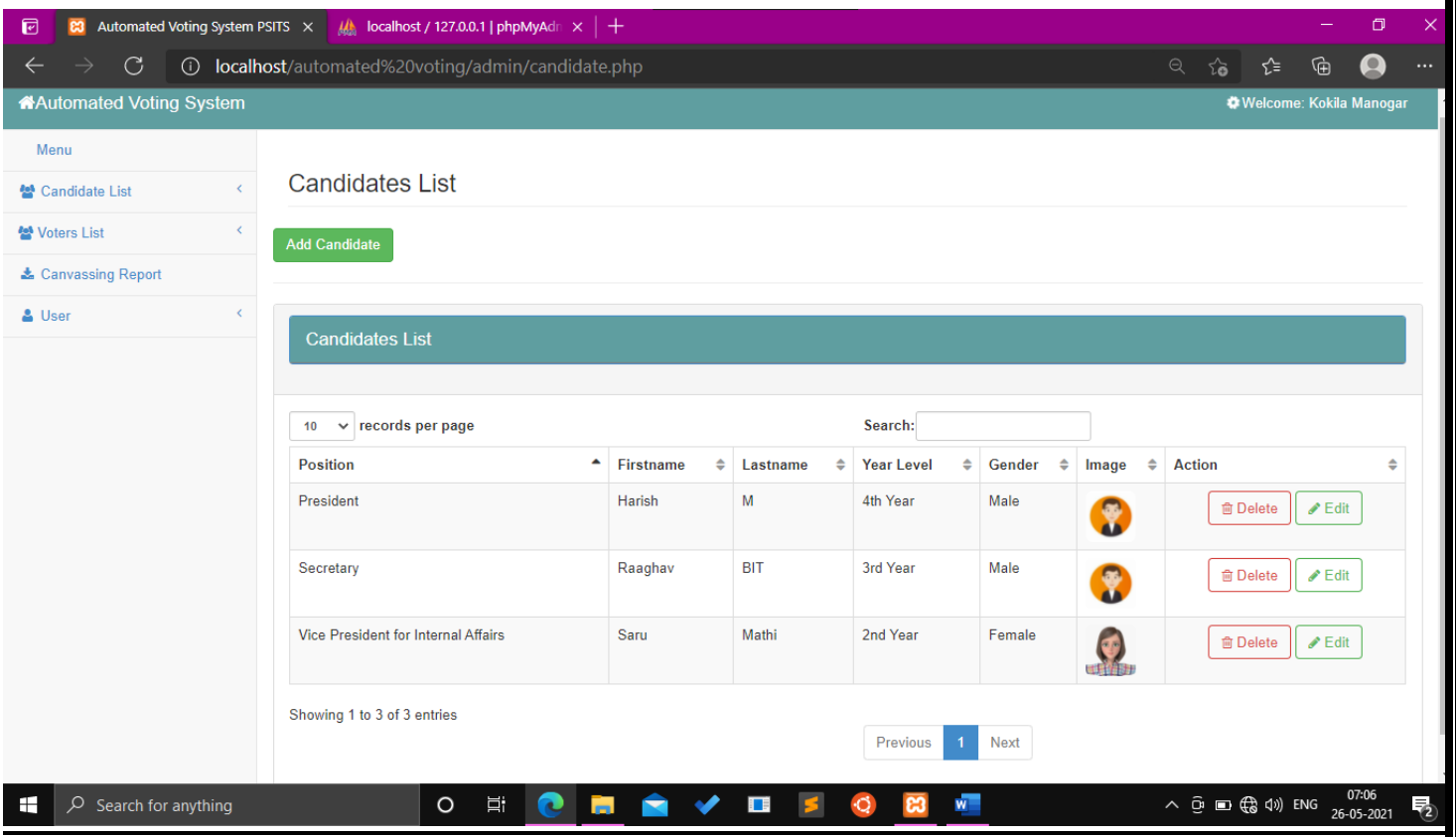
HTML and CSS take care of the overall design and structure of a webpage / site, and JavaScript adds some user interactive dynamics and contains a wide range of functions that are dynamically declared at run-time. Whereas PHP stands behind the logic of a website server-side program / function which in turn connects / links to an database connection driver (MySQL in our case) to store / manipulate / edit data.

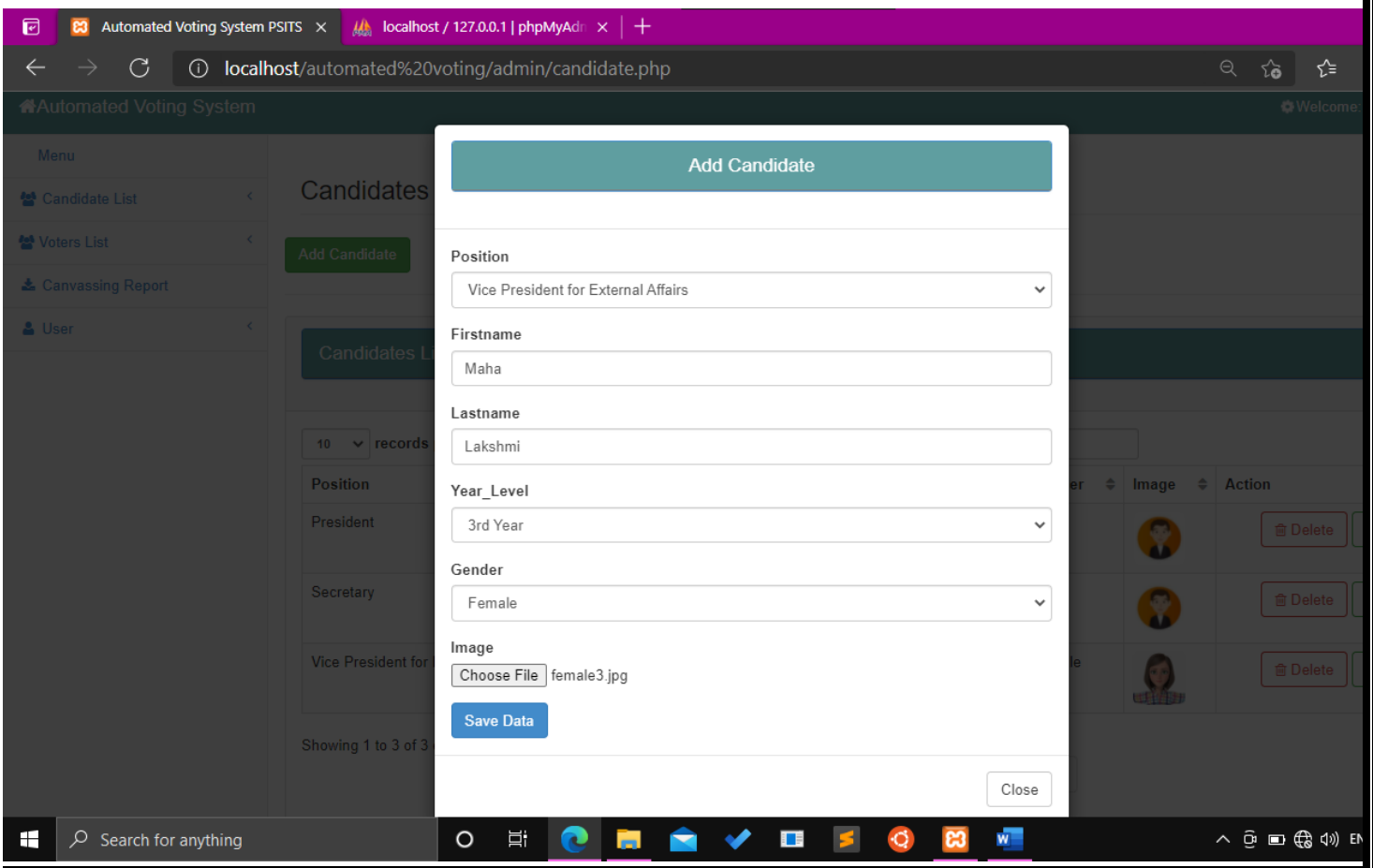
GUI :: https://github.com/kokila-Manogar/Automated-Voteing-System-Admin

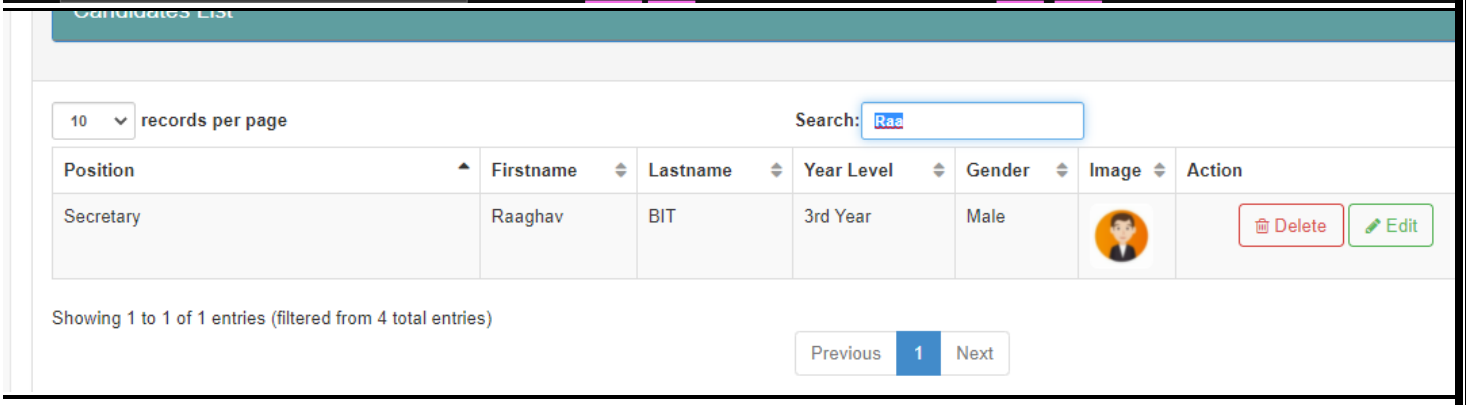
UserName : admin

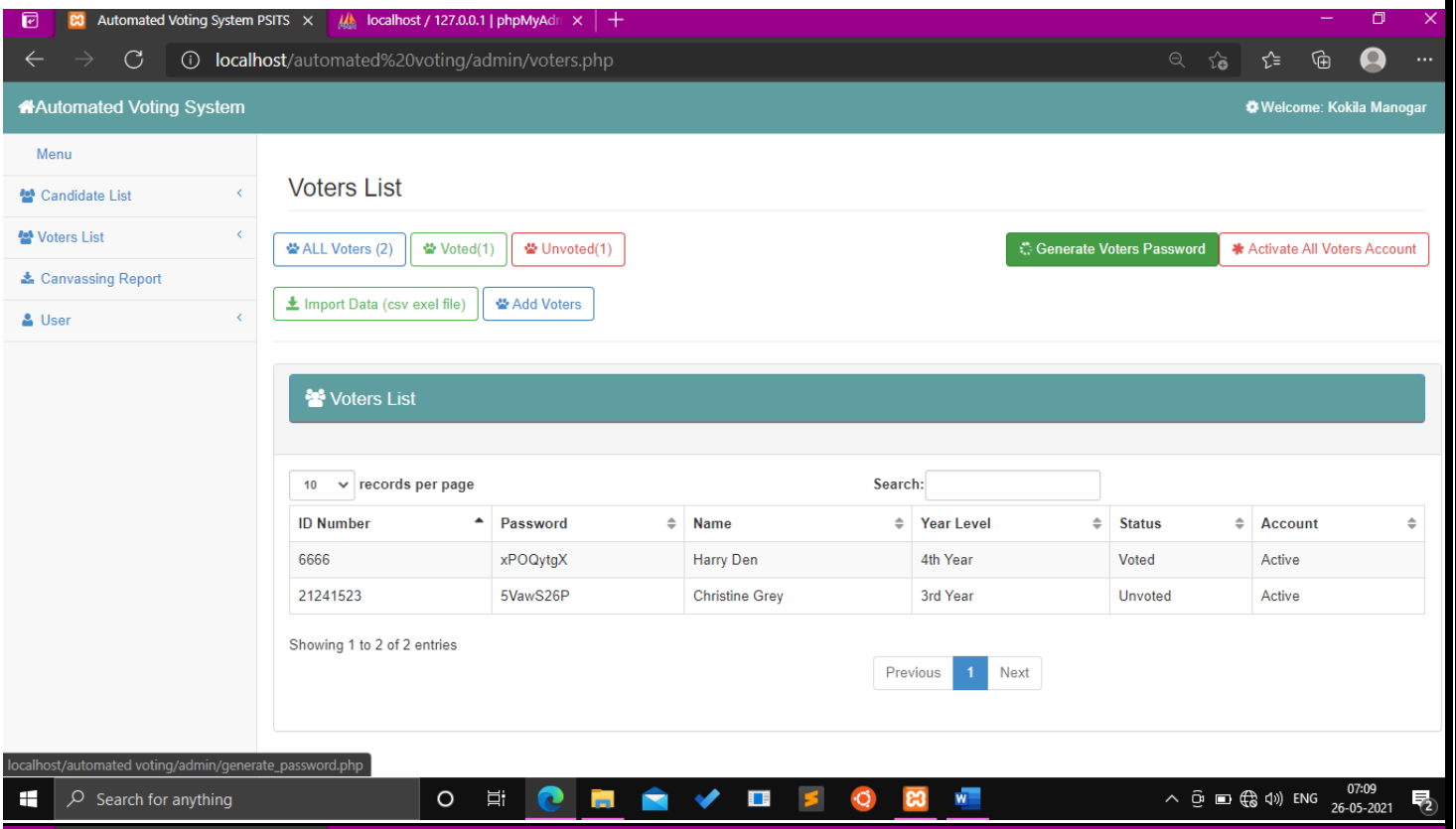
Password : admin

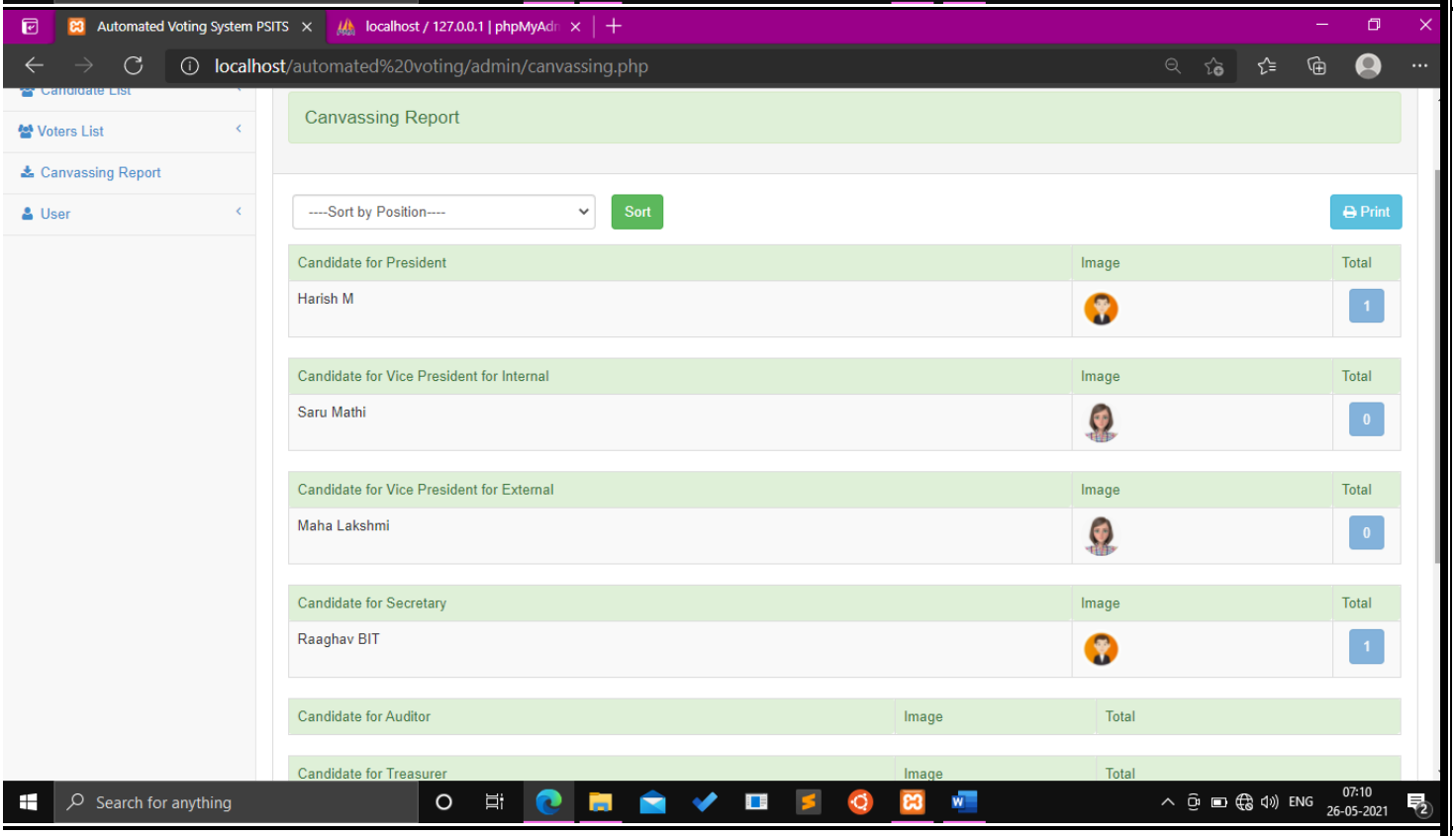

Automated Voting System PSITS
localhost / 127.0.0.1 | phpMyAdr
localhost/automated%20voting/admin/index.php
Automated Voting Sytem - Admin Panel
Admin Log In
Username
admin
Password
Login
Search for anything
ENG
07:04
26-05-2021

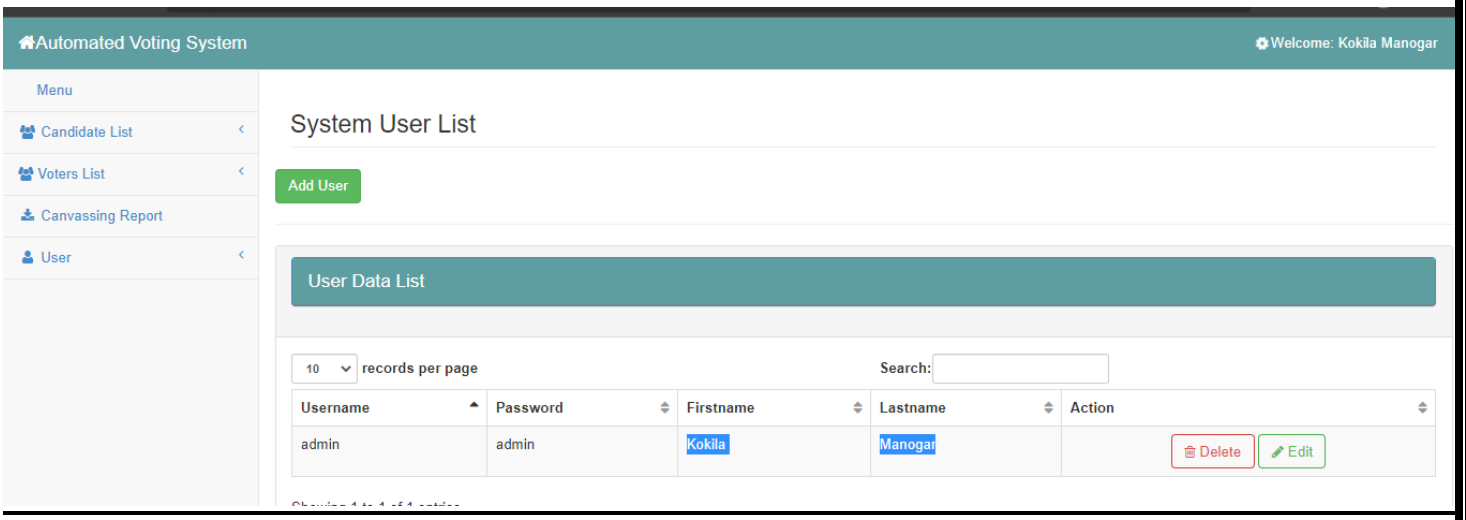

Automated Voting System PSITS
localhost / 127.0.0.1 | phpMyAdr
localhost/automated%20voting/admin/candidate.php
Automated Voting System
Welcome: Kokila Manogar
Menu
Candidate List
Voters List
Canvassing Report
User
Candidates List
Add Candidate
Candidates List
10 records per page
Search:
Position
Firstname
Lastname
Year Level
Gender
Image
Action
President
Harish
M
4th Year
Male
Delete
Edit
Secretary
Raaghav
BIT
3rd Year
Male
Delete
Edit
Vice President for Internal Affairs
Saru
Mathi
2nd Year
Female
Delete
Edit
Showing 1 to 3 of 3 entries
Previous
1
Next
Search for anything
ENG
07:06
26-05-2021


Automated Voting System PSITS
localhost / 127.0.0.1 | phpMyAdr
localhost/automated%20voting/admin/candidate.php
Automated Voting System
Welcome
Menu
Candidate List
Voters List
Canvassing Report
User
Candidates
Add Candidate
Add Candidate
Position
Vice President for External Affairs
Firstname
Maha
Lastname
Lakshmi
Year_Level
3rd Year
Gender
Female
Image
Choose File
female3.jpg
Save Data
Close
Position
Image
Action
President
Secretary
Vice President for
Delete
Showing 1 to 3 of 3
Search for anything

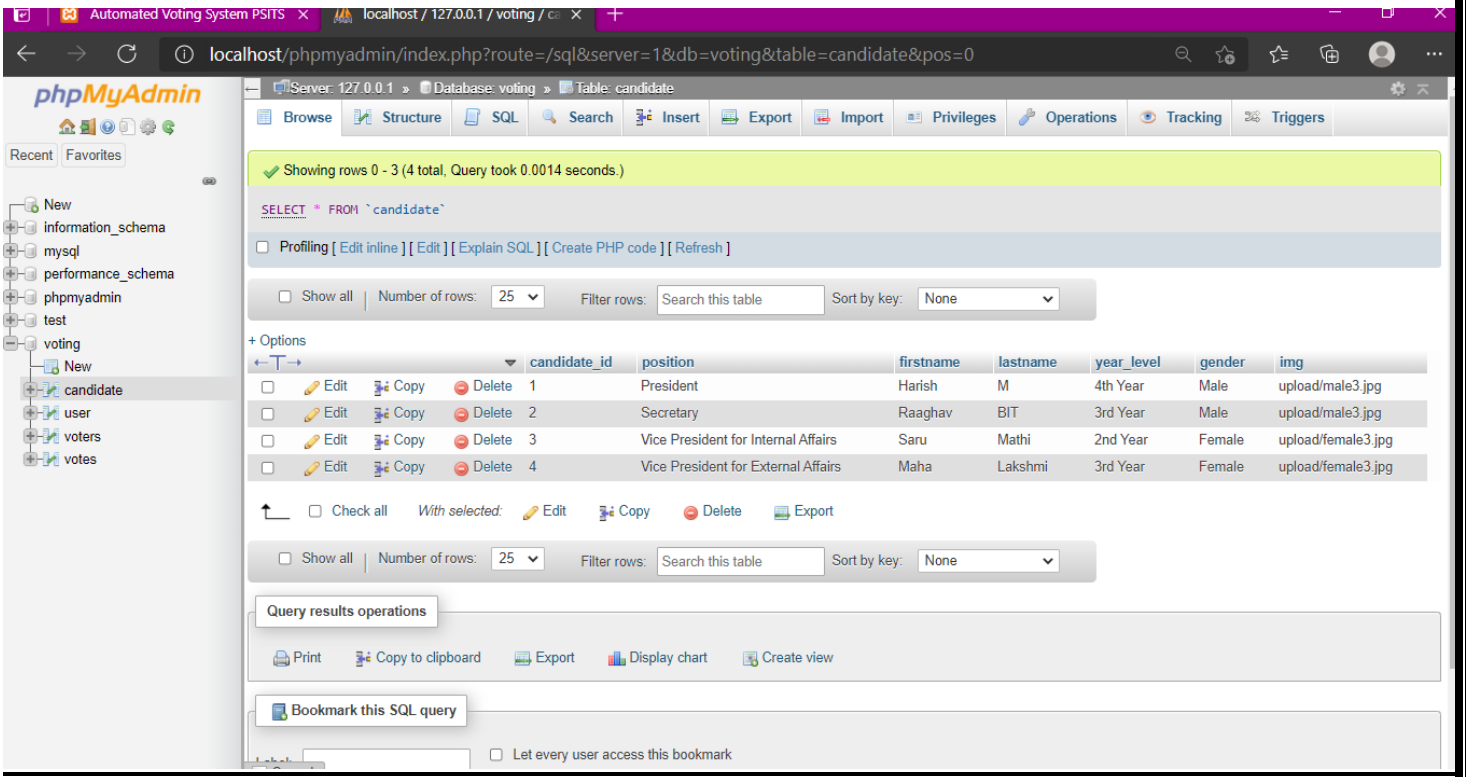

10
records per page
Search:
Raa
Position
Firstname
Lastname
Year Level
Gender
Image
Action
Secretary
Raaghav
BIT
3rd Year
Male
Delete
Edit
Showing 1 to 1 of 1 entries (filtered from 4 total entries)
Previous
1
Next


Automated Voting System PSITS
localhost / 127.0.0.1 | phpMyAdr
localhost/automated%20voting/admin/voters.php
Automated Voting System
Welcome: Kokila Manogar
Menu
Candidate List
Voters List
Canvassing Report
User
Voters List
ALL Voters (2)
Voted(1)
Unvoted(1)
Generate Voters Password
Activate All Voters Account
Import Data (csv exel file)
Add Voters
Voters List
10 records per page
Search:
ID Number
Password
Name
Year Level
Status
Account
6666
xPOQytgX
Harry Den
4th Year
Voted
Active
21241523
5VawS26P
Christine Grey
3rd Year
Unvoted
Active
Showing 1 to 2 of 2 entries
Previous
1
Next
localhost/automated voting/admin/generate_password.php
Search for anything
ENG
07:09
26-05-2021


Automated Voting System PSITS
localhost / 127.0.0.1 | phpMyAdr
localhost/automated%20voting/admin/canvassing.php
Voters List
Canvassing Report
User
Canvassing Report
----Sort by Position----
Sort
Print
Candidate for President
Image
Total
Harish M
1
Candidate for Vice President for Internal
Image
Total
Saru Mathi
0
Candidate for Vice President for External
Image
Total
Maha Lakshmi
0
Candidate for Secretary
Image
Total
Raaghav BIT
1
Candidate for Auditor
Image
Total
Candidate for Treasurer
Image
Total
Search for anything
ENG
07:10
26-05-2021


Automated Voting System
Welcome: Kokila Manogar
Menu
Candidate List
Voters List
Canvassing Report
User
System User List
Add User
User Data List
10 records per page
Search:
Username
Password
Firstname
Lastname
Action
admin
admin
Kokila
Manogar
Delete
Edit

SQL- Mysql


Automated Voting System PSITS
localhost / 127.0.0.1 / voting /
localhost/phpmyadmin/index.php?route=/sql&server=1&db=voting&table=candidate&pos=0
phpMyAdmin
Recent
Favorites
New
information_schema
mysql
performance_schema
phpmyadmin
test
voting
New
candidate
user
voters
votes
Server: 127.0.0.1 » Database: voting » Table: candidate
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 3 (4 total, Query took 0.0014 seconds.)
SELECT * FROM `candidate`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
+ Options
candidate_id
position
firstname
lastname
year_level
gender
img
Edit Copy Delete 1 President Harish M 4th Year Male upload/male3.jpg
Edit Copy Delete 2 Secretary Raaghav BIT 3rd Year Male upload/male3.jpg
Edit Copy Delete 3 Vice President for Internal Affairs Saru Mathi 2nd Year Female upload/female3.jpg
Edit Copy Delete 4 Vice President for External Affairs Maha Lakshmi 3rd Year Female upload/female3.jpg
Check all
With selected:
Edit
Copy
Delete
Export
Query results operations
Print
Copy to clipboard
Export
Display chart
Create view
Bookmark this SQL query
Let every user access this bookmark

```sql
-- phpMyAdmin SQL Dump
-- version 4.2.11
-- http://www.phpmyadmin.net
--
-- Host: 127.0.0.1
-- Generation Time: May 23, 2021 at 05:39 PM
-- Server version: 5.6.21
-- PHP Version: 5.6.3

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";


CREATE TABLE IF NOT EXISTS `candidate` (
`candidate_id` int(11) NOT NULL,
  `position` varchar(100) NOT NULL,
  `firstname` varchar(100) NOT NULL,
  `lastname` varchar(100) NOT NULL,
  `year_level` varchar(100) NOT NULL,
  `gender` varchar(100) NOT NULL,
  `img` varchar(100) NOT NULL
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;


INSERT INTO `candidate` (`candidate_id`, `position`, `firstname`, `lastname`, `ye
ar_level`, `gender`, `img`) VALUES
(1, 'President', 'Harish', 'M', '4th Year', 'Male', 'upload/male3.jpg'),
(2, 'Secretary', 'Raaghav', 'BIT', '3rd Year', 'Male', 'upload/male3.jpg');
/* others are inserted directly though GUI */
CREATE TABLE IF NOT EXISTS `user` (
`user_id` int(11) NOT NULL,
  `username` varchar(100) NOT NULL,
  `password` varchar(100) NOT NULL,
  `firstname` varchar(100) NOT NULL,
  `lastname` varchar(100) NOT NULL
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;



INSERT INTO `user` (`user_id`, `username`, `password`, `firstname`, `lastname`) V
ALUES
(1, 'admin', 'admin', 'Kokila', 'Manogar');


CREATE TABLE IF NOT EXISTS `voters` (
`voters_id` int(11) NOT NULL,
```

```
  `id_number` int(11) NOT NULL,
  `password` varchar(100) NOT NULL,
  `firstname` varchar(100) NOT NULL,
  `lastname` varchar(100) NOT NULL,
  `year_level` varchar(100) NOT NULL,
  `status` varchar(100) NOT NULL,
  `account` varchar(100) NOT NULL
) ENGINE=MyISAM AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;


INSERT INTO `voters` (`voters_id`, `id_number`, `password`, `firstname`, `lastnam
e`, `year_level`, `status`, `account`) VALUES
(1, 21241523, '8CCADFqy', 'Christine', 'Grey', '3rd Year', 'Unvoted', 'Active'),
(2, 6666, 'vTSNuAQt', 'Harry', 'Den', '4th Year', 'Voted', 'Active');


CREATE TABLE IF NOT EXISTS `votes` (
`vote_id` int(255) NOT NULL,
  `candidate_id` varchar(255) NOT NULL,
  `voters_id` varchar(255) NOT NULL
) ENGINE=InnoDB AUTO_INCREMENT=12 DEFAULT CHARSET=latin1;



INSERT INTO `votes` (`vote_id`, `candidate_id`, `voters_id`) VALUES
(1, '1', '2'),
(2, '', '2'),
(3, '', '2'),
(4, '2', '2'),
(5, '', '2'),
(6, '', '2'),
(7, '', '2'),
(8, '', '2'),
(9, '', '2'),
(10, '', '2'),
(11, '', '2');

ALTER TABLE `candidate`
 ADD PRIMARY KEY (`candidate_id`);

ALTER TABLE `user`
 ADD PRIMARY KEY (`user_id`);

ALTER TABLE `voters`
 ADD PRIMARY KEY (`voters_id`);
```

```
ALTER TABLE `votes`
 ADD PRIMARY KEY (`vote_id`);

ALTER TABLE `candidate`
MODIFY `candidate_id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=3;
ALTER TABLE `user`
MODIFY `user_id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=2;
ALTER TABLE `voters`
MODIFY `voters_id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=3;
ALTER TABLE `votes`
MODIFY `vote_id` int(255) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=12;
```

RESULT:

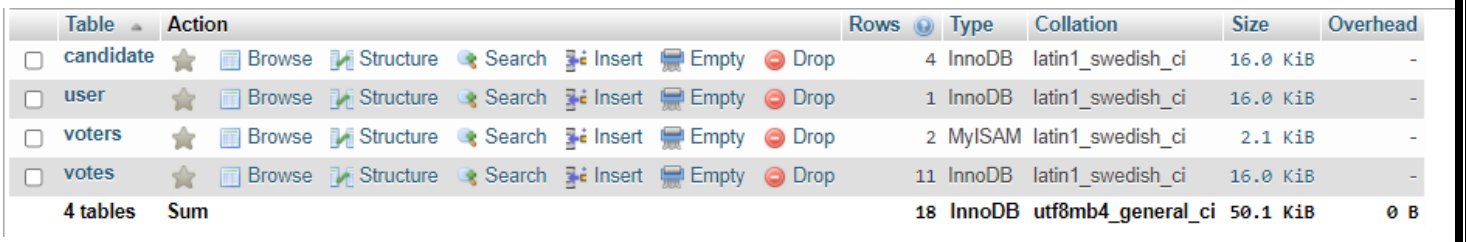
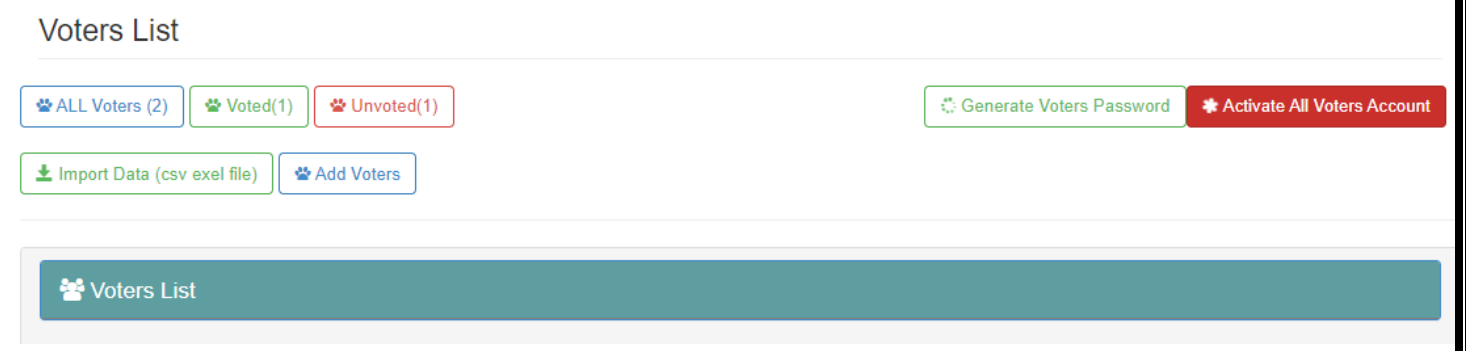
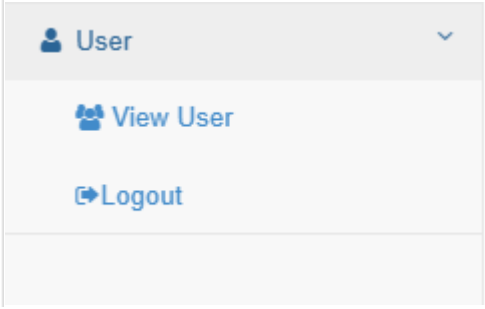


	Table	Action	Rows	Type	Collation	Size	Overhead
☐	candidate	Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐	user	Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐	voters	Browse Structure Search Insert Empty Drop	2	MyISAM	latin1_swedish_ci	2.1 KiB	-
☐	votes	Browse Structure Search Insert Empty Drop	11	InnoDB	latin1_swedish_ci	16.0 KiB	-
	4 tables	Sum	18	InnoDB	utf8mb4_general_ci	50.1 KiB	0 B



Gender	Image	Action
Male		Delete Edit
Male		Delete Edit
Female		Delete Edit
Female		Delete Edit



CONCLUSION:

The Automated Voting System was created successfully.

REFERENCES:

https://www.w3schools.com/sql/sql_syntax.asp
https://www.w3schools.com/html/html_tables.asp
https://developer.mozilla.org/en-US/docs/Tools