

Requirements for Operation:

1. You need a computer to host the XAMPP-based Apache web server.
2. We used the program XAMPP, “an Apache Web Server, phpMyAdmin, MySQL, and PHP.”
 - <https://www.apachefriends.org/download.html>
 - Apache Web Server, phpMyAdmin, MySQL, and the PHP server-side-scripting-language are all required for the project to operate
 - Our designed project source code that will run on the computer hosting the web server.
 - Our project source code is written in HTML, javascript, and PHP.
 - *Make sure that you DO NOT have the MySQL server previously installed on the system that will host the XAMPP-based Apache Web Server. XAMPP will not install correctly otherwise. If you already have MySQL installed, please uninstall it BEFORE installing XAMPP. XAMPP will reinstall MySQL for you to the latest version. ****

Instructions for Installing and Setting up the XAMPP based Web Server and the MySQL Database:

1. Download the project source files that we submitted in Moodle to whatever your preferred location is.
2. Go to the following web site: <https://www.apachefriends.org/download.html> and download “**XAMPP for Windows 5.5.30**”
3. Run the XAMPP installer and authorize any Windows User Account Control inquiries.
4. Leave the default settings
 - Once XAMPP has installed on your computer, Click on the finish button
5. **UNCHECK** the box that says “Do you want to start the Control Panel now?”
 - If you forget this, click on the “**Quit Button**” on the right hand side of the XAMPP Control Panel Screen.
6. Click on the start/Windows button, go to Programs, go to the XAMPP folder, then RIGHT-click and **run XAMPP as an ADMINISTRATOR**
7. Once XAMPP has opened, Click on the “**Start button**” under Actions on the same row that has the word Apache and Mysql.
 - Wait until the background color behind the words are the color **Green**
8. Now extract the zip folder to your computer that will run the XAMPP-based Apache Web server. These are the files you downloaded for step 1.
9. Go to the MySql workbench
 - Open and run the evoting A.sql file then triggers and views B.sql
10. Copy the **contents of the folder you extracted** and paste the project folder in according to the instructions below: (**Contents application**)
 - Double-Click on “**My Computer.**”
 - Double-Click on the “**C:” drive.**
 - Double-Click on the “**XAMPP**” folder.
 - Double-Click on the “**htdocs**” folder.
 - Paste the contents within the htdocs folder.

- Close the file explorer window.
- 11. Now open a web browser and type **localhost/evoting/login1.php** in the URL bar
- 12. Follow the different use cases for the two types of users

Use cases For a user who has an account and wants to go in and cast their vote for the election.

1. User goes to the login1.php (evoting login website) and logs in with a user account that is in the database. username = jumpman password = 6rings and clicks submit.
2. From the homepage user clicks find state to find out his state number for the ballot hits the back button to get to the homepage
3. Click the vote now button. Read on which candidate you want to vote for. Find the candidate hillary clinton read her description and what part she is apart of.
4. Scroll down to cast your vote click on the candidate you want then enter your voter id (50052) and the state number (10). Click submit and it will take you to a page which says you successfully casted your vote.

For a person who never voted and wants to register to vote

1. Go to the login1.php page (evoting homepage) click log in with not credentials then click the register now link that comes up.
2. Insert all the information that comes up First Name: david Last Name: wilson Date of Birth: 1955-12-10 Phone Number : 7043781000 Social Security Number: 046695895 Citizen Number:7045108800 Gender: M Race: White Street: 9 east university street City: CENTRAL County: meek State: AK Zip Code: 99730 Username: dwilson Password: dba6120. then click submit.
3. Go to the home page and click account info to get your voter id (50074) to see that you are a registered voter with a valid voter id. click back
4. Click find polling station.
 - Enter 99730 to see where the address of the closest polling station
 - i. Feedback will say STEESE HIGHWAY, CENTRAL, AK.

User who wants to login and wants to change their address.

1. log in to the system with the credentials username = jumpman password = 6rings and clicks submit.
2. click account info then input 830111129 the enter street:239 akins way city: charlotte state: NC county: mecklenburg zip:28216 phone:7043458000 and click submit.
3. then it will say your residential information has been successfully updated and it reads backstreet:239 akins way city: charlotte state: NC county: mecklenburg zip:28216 phone:7043458000
4. click logout to logout the system.

User who wants to check the analytics for the previous election.

1. Log in to the system with the credentials username = jumpman password = 6rings
2. Click election stats
 - Takes you to who won the popular vote then click back
3. Click post presidential stats
 - Feedback gives you presidential statistical breakdown per presidential candidates then click back click state stats

4. Click state stats
 - Feedback gives you statistical breakdown of percentages per state click back
5. Click state party analysis
 - Feedback gives you breakdown the statistical breakdown per state that determines party based on the majority vote for 2012

Administrator wants to retrieve a user's username and password to help them log in.

1. Log in with username: Admin187 password: password187
2. Click admin control
3. Insert the number of sql row to retrieve from the database. insert 70
4. The user will then tell you their first name: stephen, last name: curry, last four of SSN: 7382, zip code: 95249 and birth year 1982.
5. Then we would read stephen curry his username and password which is username: allday and password: awerty

Administrator wants to delete a user because they are no longer allowed to vote.

1. Log in with username: Admin187 password: password187
2. Click delete user button
3. Input the citizen number: 829630011, voter id: 50051, and user's full name: Lebron James click submit.
 - Feedback that tells you, you deleted voter Lebron James with citizen number: 829630011 and voter id: 50051 from the person info, resident info, and voter table.

Administrator wants to add candidate for the upcoming election.

1. Login with username: Admin187 password: password187
2. Insert candidate name: Yi Zhen, term: 2020, Description: vote for me! location: Charlotte and party id: 200 then click submit
 - feedback that tells you you inserted candidate name: Yi Zhen, term: 2020, Description: Vote for me! I am the best TA ever. location: Charlotte and party id: 200.

Administrator wants to look at voter analytics

1. Login with username: Admin187 password: password187
2. Click on current result
3. Click either democratic or republican
 - Feedback that shows a list of voters and the candidate they voted for, either democratic or republican