

Poll.Pizza

S3490602 - Jacob Bates

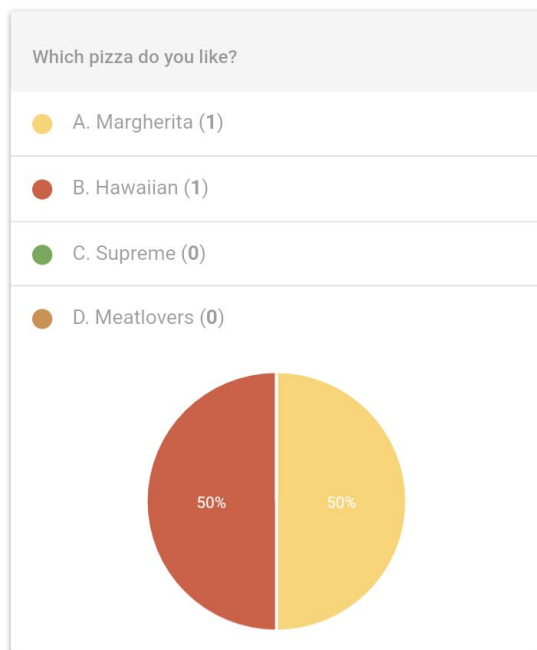
Create, vote, share and view results of short-term-use disposable polls!

A quick way to create a poll for your friends with 2-4 options and view results weighted in a *pie* pizza chart!

View Online: <https://poll.pizza>



Best Pizza Poll



ABOUT

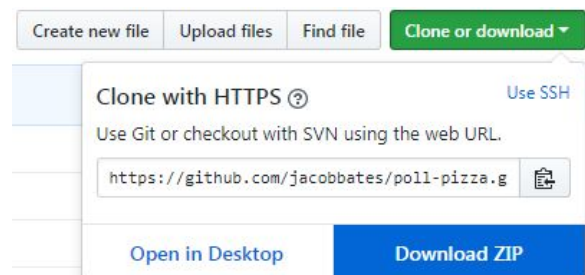
Poll.Pizza is a full stack application created for 'ISYS-2048 Developing Mobility Solutions' by Jacob Bates (s3490602). This application demonstrates the use of multiple web technologies:

- HTML5 & CSS3
- Bootstrap 4 Alpha v6 Framework
- AngularJS 1.6.6 & JQuery 3.2.1
- JSON & PHP-based API (PDO)
- MySQL Database
- DataTables.js and Charts.js Plugins
- Mobile Web App Ready (Android / IOS)

This document will contain instructions for installing a local version of this application on your network. A live version of the application can be found at <https://poll.pizza>

INSTALLATION

To begin installation, go to <https://github.com/jacobbates/poll-pizza> and **download + extract the whole directory.**
poll-pizza-master



See over page for more details.

BACK-END

Setting Up XAMPP

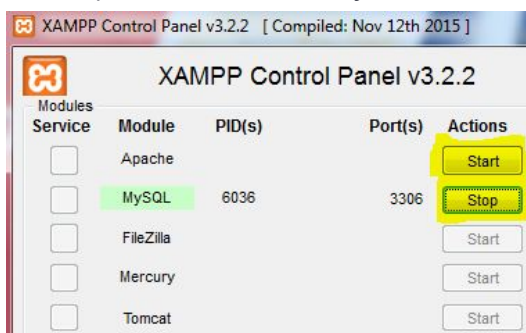
- 1) Go to:
<https://www.apachefriends.org/index.html>
- 2) Choose the correct version of your operating system



- 3) Once downloaded, follow the installer instructions to install the software.

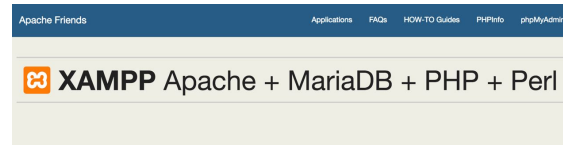


- 4) Once installed, you can open the XAMPP Control Panel then start the Apache Server and MySQL Server.



- 5) To confirm the server is running, open your browser and type <http://localhost>

You should see the following page to indicate Apache is running:



Welcome to XAMPP for OS X 7.1.1

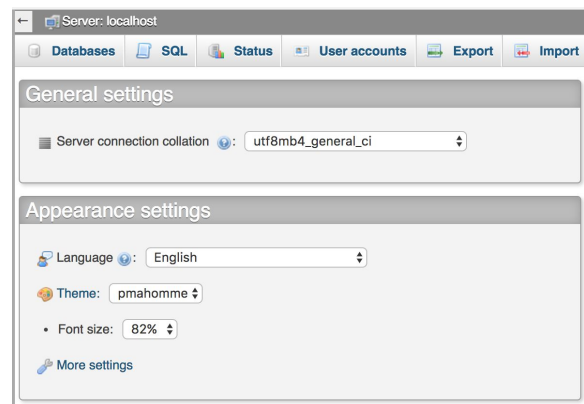
You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the FAQs section or check the HOW-TO Guides for getting started with PHP applications.

Start the XAMPP Control Panel to check the server status.

Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our Forums, adding yourself to the Mailing List, and liking us on Facebook, following our exploits on Twitter, or adding us to your Google+ circles.

- 6) To confirm your MySQL server is running, click on phpMyAdmin in the menu bar. You should see the following:



Importing Database

- 1) In phpMyAdmin, click on **import** and select the **pizza.sql** file located in the **poll-pizza-master/app/** directory (downloaded from github).

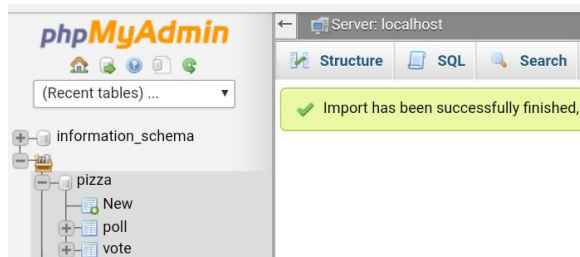


Importing into the current server

File to import:

File may be compressed (gzip, bzip2, zip) or uncompressed.
A compressed file's name must end in **[format].[compression]**. Example: **.sql.zip**
Browse your computer: education.sql (Max: 128MiB)
You may also drag and drop a file on any page.
Character set of the file:

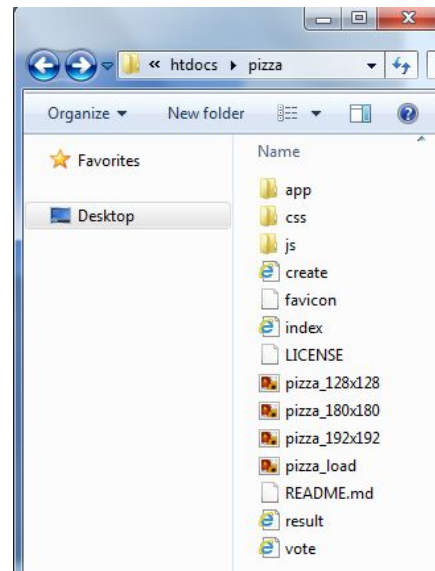
- 2) Once imported, you will now see the **'pizza'** database located in the database list on the right of phpMyAdmin. Expanding this will reveal two tables, **'poll'** & **'vote'**.



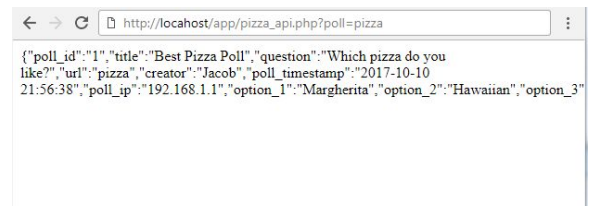
Setting Up Files

- 1) In your XAMPP installation directory, locate your **htdocs** folder and create a new folder called **pizza**.
- 2) Copy the entire contents of your **poll-pizza-master** directory (downloaded from github) into the **htdocs/pizza** folder, moving all of the files and folders across to your local server.

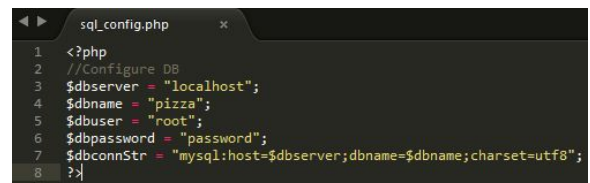
The directory structure should look like this:



- 3) To verify the backend is running successfully, navigate your browser to http://localhost/pizza/app/pizza_api.php?poll=pizza and you should see the following JSON text:



- 4) If your browser cannot connect to SQL, please edit the file **htdocs/pizza/app/sql_config.php** and ensure the correct username and password for your phpMyAdmin database are being used.



FRONT-END

If the backend has been installed correctly, your application will now be accessible on your local network via your web browser.

You can now use this app at:

<http://localhost/pizza/index.html>

on your PC running XAMPP to begin using this application. This app has been designed to be fully-responsive for all common screen sizes and is mobile web app ready for your mobile phone (IOS or Android).

Local Network Testing

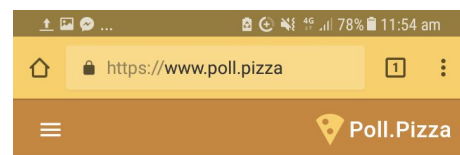
- 1) Obtain your local IP address of your computer running XAMPP. This can be found on windows by going to command prompt (*cmd*) and typing **IPCONFIG**
- 2) Your IP address will be listed as IPv4 or IPv6 depending on your networks configuration. This address can replace the 'localhost' in your local applications url and be used to access your XAMPP server from within the same network (*if permitted by your network administrator*).
- 3) To test this, try the application via your IP in the browser i.e. <http://192.168.1.1/pizza/index.html> (where '192.168.1.1' is your XAMPP server's IP Address).
- 4) Now ensure your mobile phone is connected to the same network (such as your home Wi-Fi) as your XAMPP server and try visiting the same URL through your mobile phone's browser. If your network allows, your application will load

within your phone's browser! (*Tested for Chrome and Safari Mobile*).

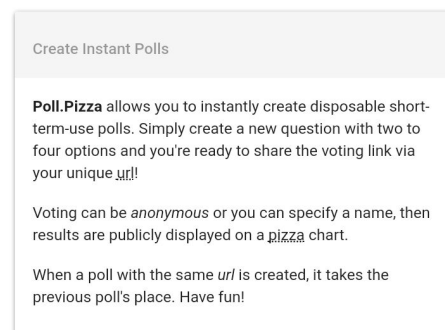
- 5) If this has been successful for you, skip ahead to the 'Add to HomeScreen' section of this document to see how to make mobile web apps display as icons on your homescreen and launch as a full-screen mobile web app.

Deployed Application

In addition to installing and testing this application on a local network, this web application has been fully deployed at <https://poll.pizza> and can be accessed via any device with an internet connection!



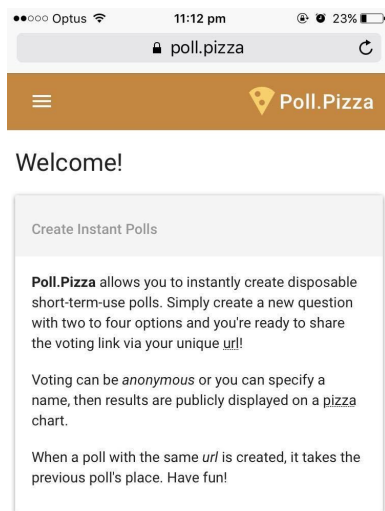
Welcome!



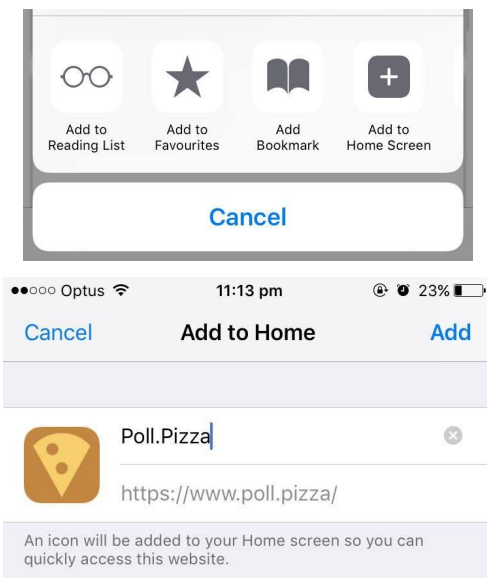
Please note: This deployed version of the app is a public facing version of this app, so the database is shared between all users who are welcome to create and/or vote in any poll on the website. See below to turn this mobile web ready website into a full-screen app launchable from your IOS or Android HomeScreen.

Add to HomeScreen

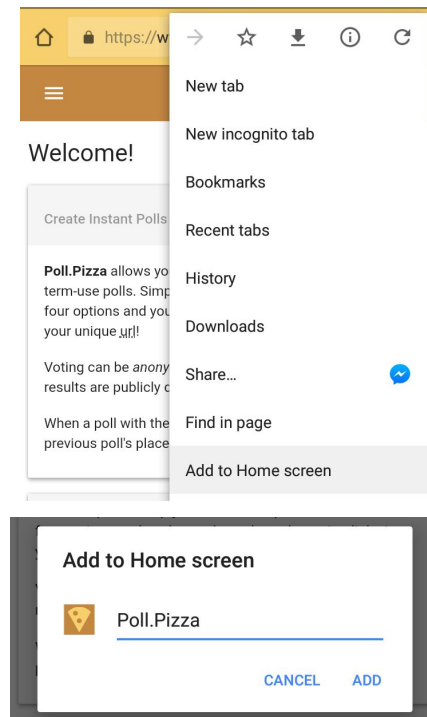
- 1) To add this application to your homescreen, simply navigate to your local install or to <https://poll.pizza> in your phone's native browser (*Safari for IOS, Chrome for Android*).



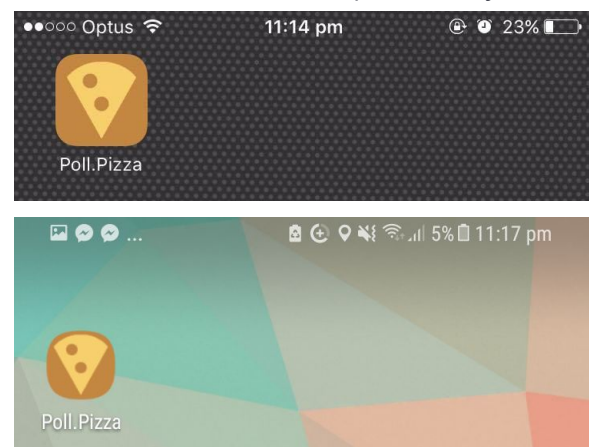
- 2) **For IOS**, select the share button in the bottom toolbar of Safari and select 'Add to Home Screen' then confirm.



- 3) **For Android**, select the option button in the top right of Chrome and select 'Add to Home Screen' then confirm.



- 4) Your **Poll.Pizza** app is now installed and ready to be launched from your phone at any time! This version of the application will launch in full-screen mode on your compatible phone and allow you to create, vote and view results of polls at any time.

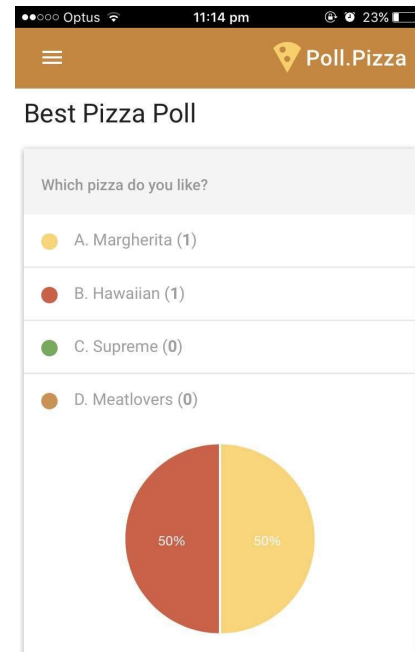


LIMITATIONS

- When installed locally, polls can not be shared with anyone outside your local network. To combat this, this app is designed to be deployed on a web-server and has a publicly accessible version via <https://poll.pizza>
- When specifying a custom URL for a poll, no check is performed for uniqueness and, by design, the most recently created poll will replace the previous poll at this URL. This puts a limitation on the application that all polls are temporary by nature. A query to check if a URL is unique could be added as a feature at a later time.
- All polls created on the deployed application are public for anyone with the URL to access them and vote. A feature to set a poll as private could be added at a later time.
- All polls and votes can have a name specified for them, or will default to 'anonymous'. By design, there is currently no option to enforce that a name is entered when creating a poll or voting (unlike the validation imposed on all other fields). This could be added as an optional feature for polls at a later time.
- A hard limit of 2-4 options per poll is only currently possible for simplicity purposes in the design of the database. Additional SQL tables could be created for potentially unlimited options to be added to each poll.

Document submitted for RMIT ISYS-2048
Sem 1, 2017 by s3490602 Jacob Bates

IOS Full-Screen Mobile App:



Android Full-Screen Mobile app:

Welcome!

Create Instant Polls

Poll.Pizza allows you to instantly create disposable short-term-use polls. Simply create a new question with two to four options and you're ready to share the voting link via your unique [url!](#)

Voting can be *anonymous* or you can specify a name, then results are publicly displayed on a [pizza](#) chart.

When a poll with the same *url* is created, it takes the previous poll's place. Have fun!

Recently Created Polls

Title	URL	Created By
Best Pizza ...	pizza	Jacob