

USER MANUAL

-NIKHIL REDDY

N19337907

The website can be set up in three steps:

1. **Setting up the environment.**
2. **Setting up the Database**
3. **Saving Source Files in the correct directory.**

SETTING UP THE ENVIRONMENT:

XAMPP stands for **cross**-platform, **A**pache, **M**ySQL, **P**HP and **P**erl. It's a simple and lightweight solution that allows you to create a local web server for testing purposes.

Since XAMPP is cross-platform, it also works on Mac and Linux.

Installing and Running XAMPP:

- Go to the [Apache Friends website](#) and download XAMPP.
- Once downloaded, launch the installer.
- During the install process, you may receive warnings such as Windows asking you if you're sure you want to install the software and the installer prompting you about antivirus software. As you would when installing any software on Windows, use your best judgment, but you probably want to click "Yes" to continue with the install.
- The XAMPP setup wizard will guide you through the installation. Click **Next**.
- In the next window, you will be asked to select which components of the software you would like to install and which ones you don't want. Some options, such as Apache and PHP are essential to running the software and will be automatically installed, so they are greyed out so you can't select them.
- It's up to you which components you want to install. Since we want to run the web application on our localhost environment, leave MySQL and phpMyAdmin checked and uncheck the remaining options.
- Next, select the folder where you would like to install XAMPP on your machine.
- After going through all those initial installation steps, XAMPP is now finally ready to install. Click **Next**.
- Once installed, you'll be asked whether you would like to start the XAMPP Control Panel, which provides an interface for running your localhost environment. Leave this option ticked and click **Finish**.
- The Control Panel will automatically open, but if you unchecked the option in the previous window, you can go to the XAMPP folder on your computer and open **XAMPP Control Panel** instead.
- Start up both Apache and MySQL.
- You can check if your new local server is installed by visiting **http://localhost** in your browser.

SETTING UP THE DATABASE:

Before we install our Web Application, we need a database.

- In your XAMPP Control Panel, click the **Admin** button in the MySQL section.
- A new browser window will automatically open with the phpMyAdmin interface.
- Click on **Databases** near the top-left and you'll be prompted to create a new database and name it "**dbtest**".
- When you've entered the name, click **Create** and close the window.
- Now in the Databases window, click on our database "**dbtest**".
- Click on the SQL Tab in the window. You will see a SQL query box.
- Type in the following query to create our user credentials table: You should see a success message after clicking on Go.

```
CREATE TABLE IF NOT EXISTS `users` (  
  `userId` int(11) NOT NULL AUTO_INCREMENT,  
  `userName` varchar(30) NOT NULL,  
  `userEmail` varchar(60) NOT NULL,  
  `userPass` varchar(255) NOT NULL,  
  PRIMARY KEY (`userId`),  
  UNIQUE KEY `userEmail` (`userEmail`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO_INCREMENT=1 ;
```

- Next, type in the following SQL query to set up our Images table. You should again see a success message upon clicking on Go.

```
CREATE TABLE IF NOT EXISTS `user_images` (  
  `imageId` tinyint(3) NOT NULL AUTO_INCREMENT,  
  `imageType` varchar(25) NOT NULL,  
  `imageData` mediumblob NOT NULL,  
  `userEmail` varchar(60) NOT NULL,  
  `imageCaption` varchar(50) NULL,  
  PRIMARY KEY (`imageId`),  
  UNIQUE KEY `imageId` (`imageId`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO_INCREMENT=1 ;
```

- Your database is now setup. We shall now save the source code for the web application.

SAVING THE SOURCE CODE:

- If you do not have the Dump-a-Pic-master folder already with you, you can download it from the Git repository. [Get the Source Code here!](#)
- Unzip and copy the entire **Dump-a-Pic-master** folder into the htdocs folder in the directory where you installed XAMPP.

RUNNING THE WEB APPLICATION:

- Now that your database is setup, once your Apache and MySQL servers are running, open your browser and visit <localhost/Dump-a-Pic-master/> and upload your pictures!

REFERENCES AND BIBLIOGRAPHY:

- [1] <http://www.techumber.com/simple-pagination-with-php-mysql/>
- [2] <http://www.codingcage.com/2015/01/user-registration-and-login-script-using-php-mysql.html>
- [3] <https://www.w3schools.com/php/default.asp>
- [4] <http://stackoverflow.com/>