BOOKBYTE

Installation Guide

Windows Installation

Download and install xampp here or by visiting xampp. (during the installation only set mariadb password to 1234 and just continue on the rest of the steps)

Download and unzip git repo files here or by visiting the repo in github.

Open the http.conf file located in C:\xampp\apache\conf and find the lines referring to Document root. Change DocumentRoot to "~/BookByte/app" and <Directory to "~/BookByte/app" so that they now point to where the app files are stored in the repo you downloaded and extracted.

Open the file php.ini located in C:\xampp\php and locate and change if needed the following:
short_open_tag = On
file_uploads = On
upload_max_filesize > 'Set this to a value greater than the db sql files(new or restoration)'
save the file and restart apache via the xampp control panel

Launch mariadb by opening command prompt and typing the following commands:
cd C:\Program Files\MariaDB X\bin where X is your mariadb version
mysql -u root -p
1234 for the password then Enter

While in the mariadb command prompt give the following commands in order:
source ~\BookByte\sql\bookbyte-schema.sql
source ~\BookByte\sql\bookbyte-insert-data.sql
Where the path should be the one leading to the repo you downloaded and extracted.
flush privileges; alter user 'root'@'localhost' identified by '1234';
type quit to exit mariadb

Now while confirming that apache is running in xampp control panel launch any browser and type localhost or 127.0.0.1 to access the app.

Linux Installation

In the linux terminal:
sudo apt update
sudo apt upgrade

-To install apache
sudo apt-get install apache2
dpkg --get-selections | grep apache
sudo ufw app list
sudo ufw allow in “Apache”
sudo ufw status —--> and confirm that it is active

Now type localhost in your browser. If you can’t view the apache homepage run in terminal:
sudo apt-get -o DPkg::Options::=”--force-confmiss” --reinstall install apache2

-To install mariadb
sudo apt install mariadb-server
sudo systemctl status mariadb (confirm that mariadb is running)
mysql -v (confirm installation)
sudo mysql_secure_installation
as the password enter ‘1234’. For the rest of the steps just hit y and enter for all

-To install php
sudo apt install php libapache2-mod-php php-mysql
php -v (confirm installation)

Configuration
sudo a2enmod phpX (where X from now on will be the php -v version where if i.e. 8.1.2 keep the 8.1 only)
sudo service apache2 restart

locate and edit the file php.ini with “sudo nano” in one of the following directories:
sudo nano /etc/php/php.ini
or sudo nano /etc/phpX/php.ini
or sudo nano /etc/php/X/php.ini
or sudo nano /etc/php/X/cli/php.ini

locate and change if needed the following:
short_open_tag = On
file_uploads = On
upload_max_filesize > ‘Set this to a value greater than the db sql files(new or restoration)
then ctrl + x, y to save and enter to exit

sudo nano /etc/apache2/apache2.conf
locate edit the <Directory /var/www> so that it becomes:
<Directory /var/www>
Options Indexes FollowSymLinks
Allow Override All
Require all granted
</Directory>

then add the lines(if they do not exist):
AddType application/x-httpd-php .php
AddHandler application/x-httpd-php .php
then ctrl + x, y and enter

sudo service apache2 restart

Repository
Download git repo files here or by visiting the repo in github.
launch mysql with
sudo mysql -u root -p
enter password or leave blank if you set none at the installation step
in the mariadb terminal type
source ~\BookByte\sql\bookbyte-schema.sql
source ~\BookByte\sql\bookbyte-insert-data.sql
(where ~ is the directory you saved the repo in)
flush privileges; alter user 'root'@'localhost' identified by '1234';
type quit to exit mariadb

Placing the app files
apach2ctl -M (check if mod_rewrite is enabled)
if not enabled:
sudo a2enmod rewrite
sudo systemctl restart apache2
copy the files in BookByte/app/ to the /var/www directory
sudo chmod -R 777 /var/www (to gain read write access to /var/www directory)

Now by visiting any browser and typing localhost or 127.0.0.1 you can access the app