

Deployment Guide to deploy Book Store Application on local LAMP Stack

Prerequisites

For this guide, you will need:

- A fresh Ubuntu 18.04 Droplet running LAMP

We are going to use Git to check out the application code. The next step is to choose a location that will serve as our application root directory. For this guide, we are going to use `/var/www/html/bookstore`, so create that directory now.

```
$ sudo mkdir -p /var/www/html/bookstore
```

Before cloning the repository, let's change the folder permission with 775.

****Important****

DO NOT set 775 permission if you host this application on server or cloud environment.

I setup 775 permission since this is local environment

```
$ sudo chmod 775 -R /var/www/html/bookstore
```

```
$ cd /var/www/html/bookstore
```

```
$ git init
```

```
$ git clone https://github.com/npsachinda/BookStore.git
```

Next, we need to install the project dependencies. Access the application folder and run composer install.

```
$ cd /var/www/html/bookstore
```

```
$ composer install --no-dev --optimize-autoloader
```

As next step, we need to import the MySQL database. .sql file is in the project root folder

```
$ mysql -u root -p
```

```
$ mysql> create database bookstore
```

```
$ mysql> exit;
```

Now we can import the sql file

```
$ mysql -u root -p bookstore < var/www/html/bookstore/database.sql
```

Please Update your DB credential in

```
# app/config/parameters.yml
```

Configuration Steps for Apache

```
$ sudo nano /etc/apache2/sites-available/000-default.conf
```

change the Document Root

```
DocumentRoot /var/www/todo-symfony/web  
<Directory /var/www/todo-symfony/web>
```

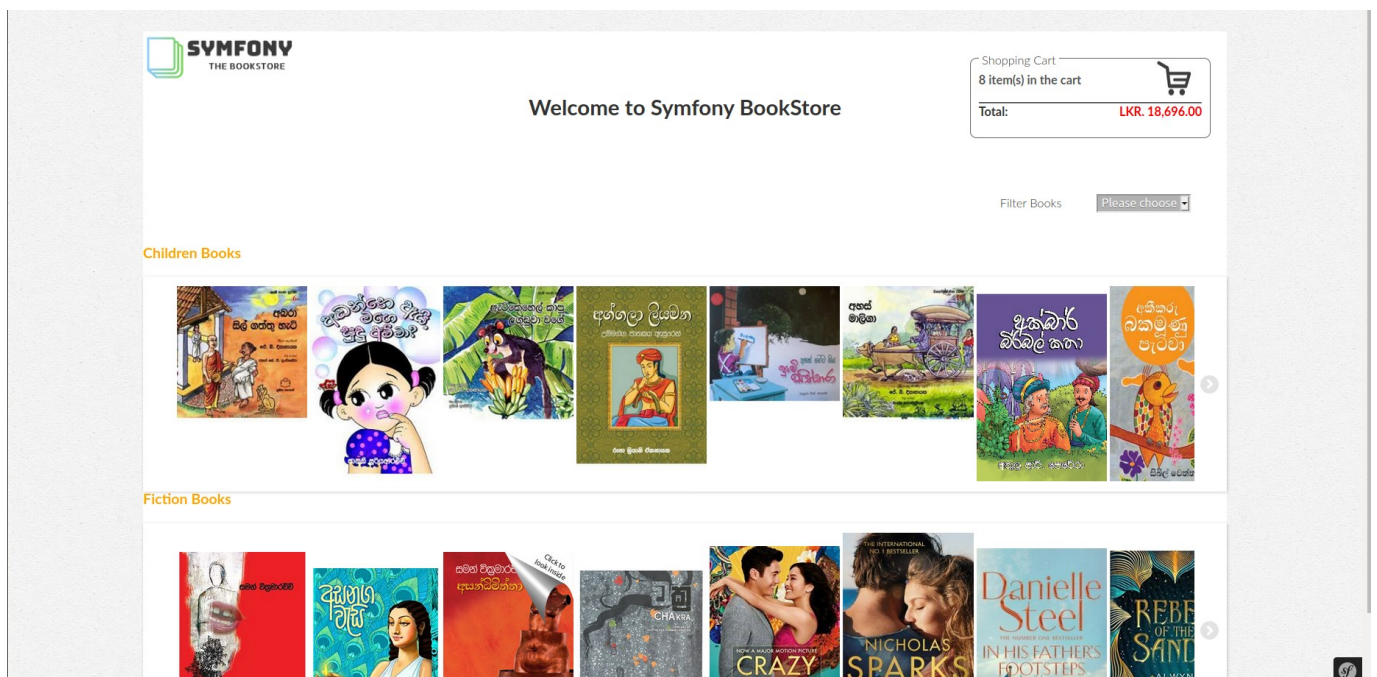
1. Enable rewrite module apache

```
$ sudo a2enmod rewrite
```

```
$ sudo systemctl restart apache2
```

Accessing the Application

Your server should be ready to serve the demo Symfony application. Visit http://your_server_ip in your browser, and you should see a page like this:



Assumptions

1. Skip the multi author books. A book has only one author
2. Skip multi category Books. A book has only one category
3. There is a back-end in the application with authentication and authorization to add/edit/delete master data