

How to run the application.

1. Download the Wamp Server and install it

Link: <https://www.wampserver.com/en/>

2. Download SQL database and install it

Link: <https://github.com/webyog/sqllyog-community/wiki/Downloads>

3. Create below tables:

```
CREATE TABLE `adminrole` (  
    `adminrole_id` INT(30) NOT NULL AUTO_INCREMENT,  
    `adminrole_name` VARCHAR(30),  
    `adminrole_user_cardinality` INT(30),  
    `adminrole_permission_cardinality` INT(30),  
    PRIMARY KEY (`adminrole_id`)  
);
```

```
CREATE TABLE `bookdetail` (  
    `category` VARCHAR(30) NOT NULL,  
    `bookname` VARCHAR(30) NOT NULL,  
    `author` VARCHAR(30) NOT NULL,  
    `edition` VARCHAR(30) NOT NULL,  
    `price` VARCHAR(30) NOT NULL,  
    `username` VARCHAR(30) NOT NULL,  
    `quantity` VARCHAR(30) NOT NULL  
);
```

```
CREATE TABLE `signup` (  
    `username` VARCHAR(30) NOT NULL,  
    `firstname` VARCHAR(30),  
    `lastname` VARCHAR(30),  
    `emailid` VARCHAR(30),  
    `year` VARCHAR(30),  
    `address` VARCHAR(30),  
    `contactno` VARCHAR(10),  
    `password` VARCHAR(30) NOT NULL,  
    `role` VARCHAR(30),
```

```

PRIMARY KEY (`username`)
);
CREATE TABLE `role` (
    `role_id` INT NOT NULL,
    `role_name` VARCHAR(30),
    `role_user_cardinality` VARCHAR(30),
    `role_permission_cardinality` VARCHAR(30),
    PRIMARY KEY (`role_id`)
);

```

4. Copy all the code files in C:\wamp\www\bookbank

5. Start the WampServer.

6. Open browser and type : <http://localhost/bookbank/wel.php>

7. Create user account in the application and open the database table adminrole (a1,a2)and role (u1) and add some basic roles in it. When user account is created then initial the u1 role is assigned to it.