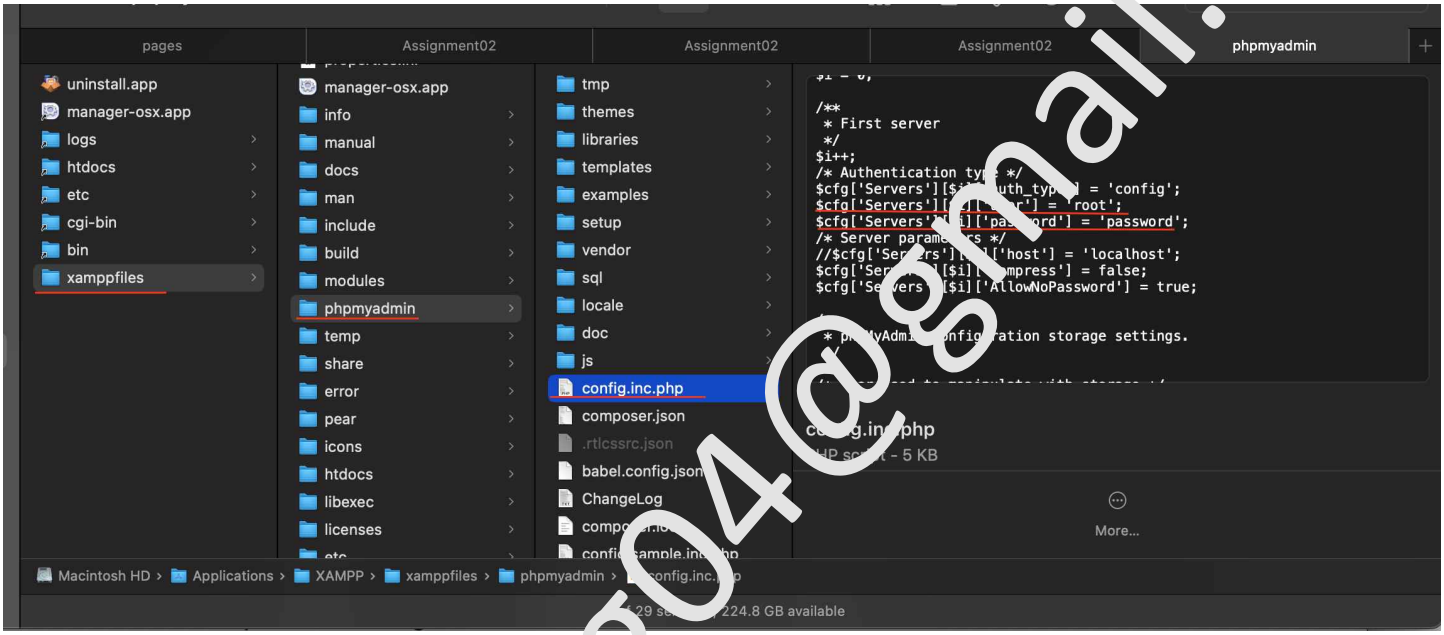
Guide to Setting Up the Web Application

1. Step One: localhost and account configuration

In phpMyAdmin runs the following query, reset the user and password:

```
1 ALTER USER 'root'@'localhost' IDENTIFIED BY 'password';
```

if needed change some init config, to make sure they match;



2. Step Two: Creating Database

In phpMyAdmin, run the following queries to create database named Assignment2;

PAY ATTENTION to the account name and password, make sure they match to your server connection;

```
1 CREATE DATABASE assignment2;
2 GRANT USAGE ON *.* TO root@localhost IDENTIFIED BY 'password';
3 GRANT ALL PRIVILEGES ON root.* TO assignment2@localhost;
4
5 FLUSH PRIVILEGES;
```

```php
abstract class abstractDAO
{
    39 references
    protected $mysqli;

    /* Host address for the database */
    3 references
    protected static $DB_HOST = "127.0.0.1";
    /* Database username */
    3 references
    protected static $DB_USERNAME = "root";
    /* Database password */
    3 references
    protected static $DB_PASSWORD = "password";
    /* Name of database */
    3 references
    protected static $DB_DATABASE = "assignment2";
    /*
     * Constructor. Instantiates a new MySQLi object.
     * Throws an exception if there is an issue connecting
     * to the database.
     */
    17 references | 5 overrides
    function __construct()
    {
        try {
            $this->mysqli = new mysqli(
                self::$DB_HOST,
                self::$DB_USERNAME,
                self::$DB_PASSWORD,
                self::$DB_DATABASE,
                3308
            );
        } catch (mysqli_sql_exception $e) {
            throw $e;
        }
    }
```

DOUBLE/TRIPLE CHECK the following config in your connection related code, which is abstractDAO in this case holding all of the database connection information.

Pay attention to:

Host Address

Database username

Database password

Name of database

$DB_HOST = "127.0.0.1";

$DB_USERNAME = "root";

$DB_PASSWORD = "password";

$DB_DATABASE = "assignment2";

If you are not using the default 3306 port, pls include the actual port number when trying to connect.

3. Create tables and constraints needed for the app

```sql
USE assignment2;
DROP TABLE IF EXISTS users;

CREATE TABLE users (
    userId INT AUTO_INCREMENT PRIMARY KEY,
    userName VARCHAR(255) NOT NULL UNIQUE,
    password VARCHAR(255) NOT NULL,
    email VARCHAR(255) NOT NULL UNIQUE
);
```

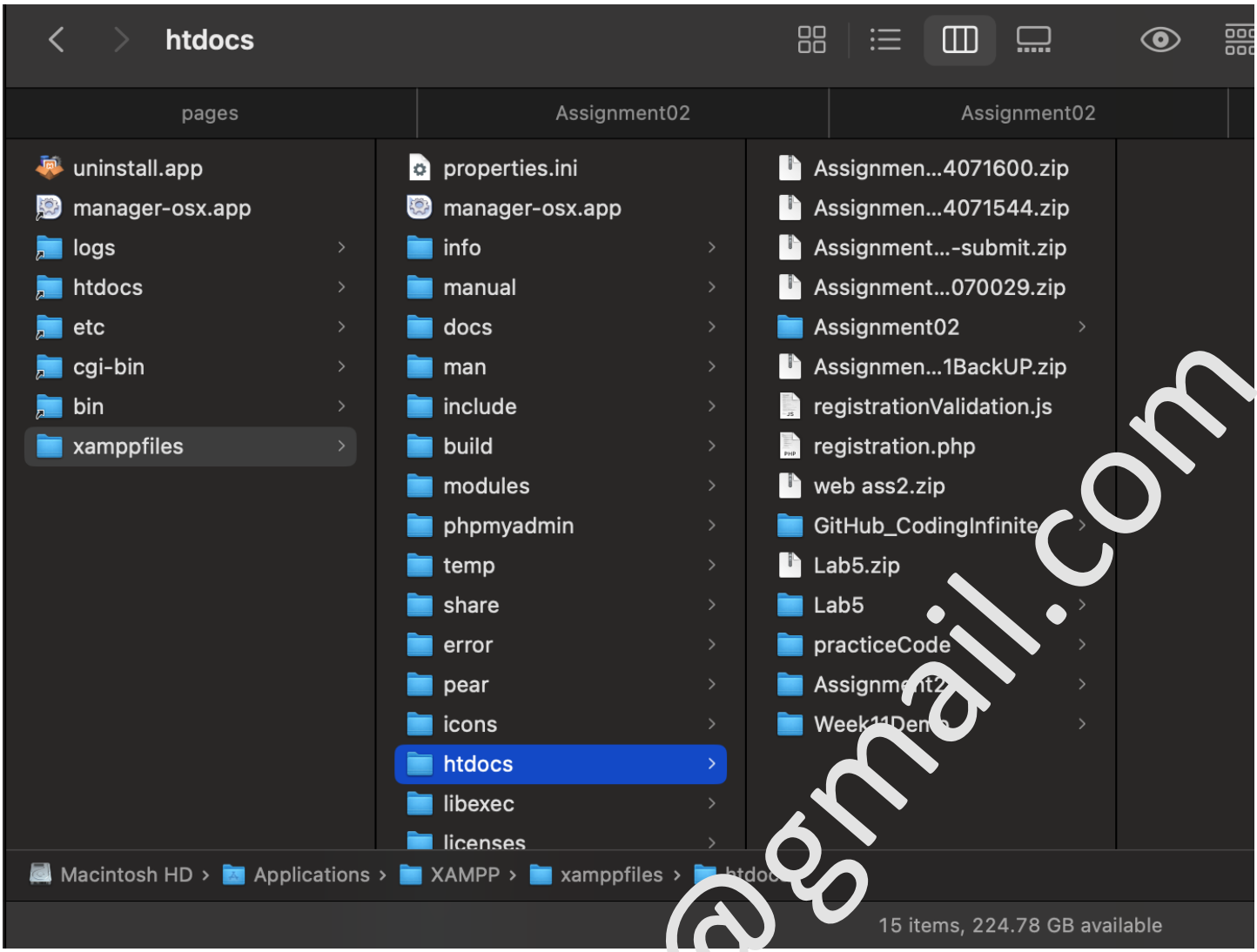
```sql
USE assignment2;

DROP TABLE IF EXISTS tasks;
```

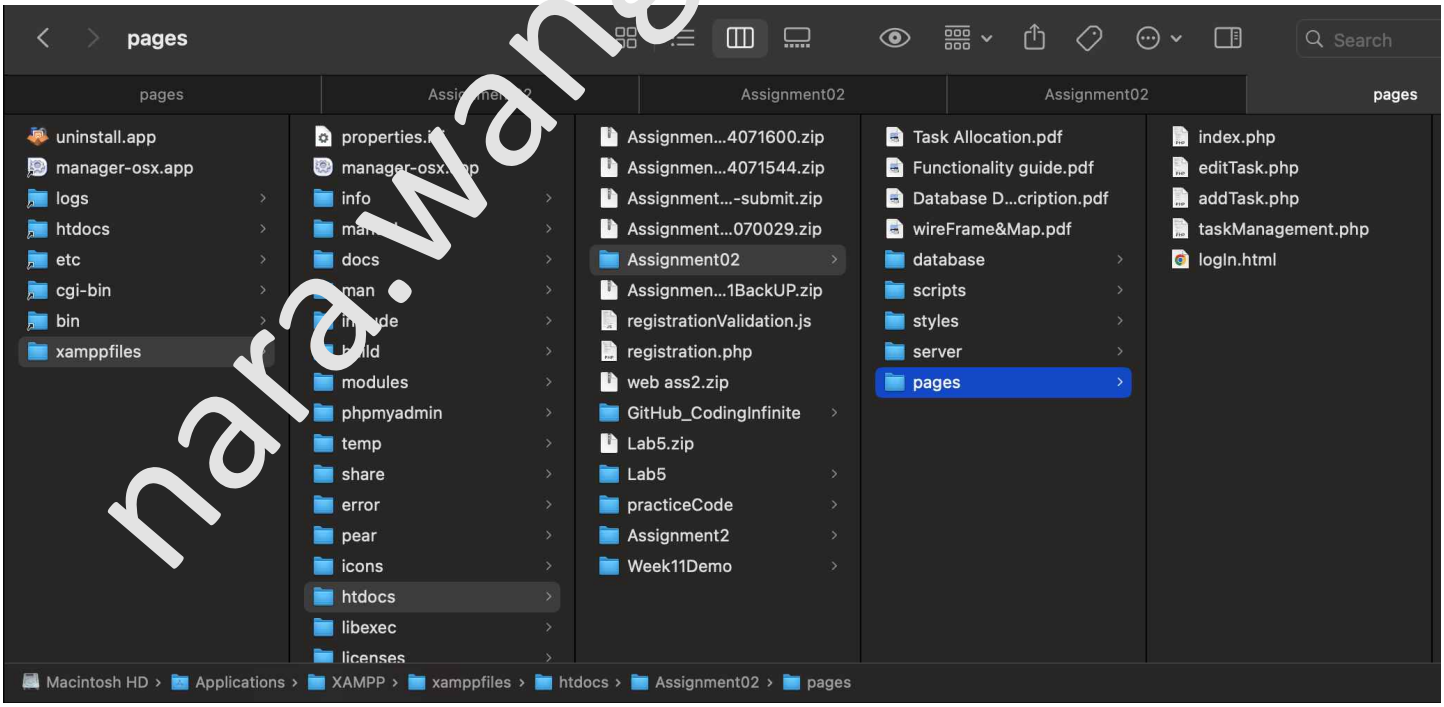
```
4
5  CREATE TABLE tasks (
6      taskId INT AUTO_INCREMENT PRIMARY KEY,
7      userId INT,
8      taskName VARCHAR(255) NOT NULL,
9      description TEXT,
10     priority ENUM('High', 'Medium', 'Low') NOT NULL,
11     dueDate DATE,
12     createdDate TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
13     status ENUM('In Progress', 'Over Due', 'Completed') NOT NULL DEFAULT 'In
   Progress',
14     FOREIGN KEY (userId) REFERENCES users(userId)
15 );
```

4. Accessing the webApp by localhost

Drag all the project files to the localhost. It may be different depending on the device you are using. But the relative path is the following: ?/xamppfiles/htdoc/yourProjectfiles. Once your project files are in this path, you can access them by typing localhost in the browser address bar. And make sure there is no index named file in it, or you may not see the file structure, it automatically opens the index file.



5. Start from the registration page which is designated to index page



6. Just relax and follow the lead of the app to enjoy the app.