

Installation Manual for Setting Up the Project Using Laragon

This guide provides step-by-step instructions on how to install and set up the project using **Laragon**. Since the project is built with **HTML, CSS, JavaScript, and PHP**, Laragon will serve as a local development environment.

Prerequisites

Before proceeding, ensure you have the following:

- ✓ Windows OS (Laragon is optimized for Windows)
 - ✓ Laragon installed (Download from [Laragon.org](https://laragon.org))
 - ✓ A code editor (e.g., VS Code, Sublime Text, or Notepad++)
-

Step 1: Download and Install Laragon

1. **Download Laragon**
 - Visit Laragon.org and download the latest **Laragon Full** version.
 2. **Install Laragon**
 - Run the downloaded installer and follow the on-screen instructions.
 - Choose a preferred installation directory (default: C:\laragon\).
-

Step 2: Start Laragon and Configure It

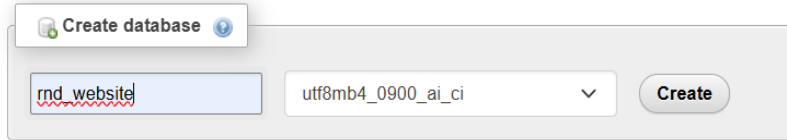
1. Open **Laragon** and click **Start All** to run Apache and MySQL.
 2. Click the **Settings** (gear icon) and ensure:
 - Apache is enabled
 - MySQL is running (for database support)
 3. Set the PHP version if required by clicking **Menu → PHP → Version** and selecting the desired version.
-

Step 3: Set Up the Project Files

1. **Locate the Laragon www Folder**
 - Navigate to C:\laragon\www\ (or the custom location you chose).
 2. **Copy the Project Files**
 - Extract or copy your project folder into C:\laragon\www\.
 - Your project folder should contain files like index.php, style.css, and script.js.
-

Step 4: Configure the Database (If Required)

1. Open **Laragon** and click **Menu → MySQL → phpMyAdmin** to launch phpMyAdmin.
2. Create a new database:
 - Click **New** on the left panel.
 - Enter a database name (e.g., `rnd_website`) and click **Create**.
 - Make sure database collation is `utf8mb4_0900_ai_ci`



3. Import an existing database:
 - Click the database name.
 - Select **Import**, choose the `.sql` file, and click **Go** (it is provided in drive).
4. Update database credentials in `config.php` (or `.env` if applicable):

`php`

`CopyEdit`

```
$servername = "localhost";
```

```
$username = "root";
```

```
$password = ""; // No password by default in Laragon
```

```
$dbname = "project_db";
```

Step 5: Run the Project

1. Open Laragon and click **Menu → www → [Project Folder]**
2. Alternatively, open a browser and enter:

`arduino`

`CopyEdit`

```
http://localhost/project-folder/
```

3. Your project should now be live on **localhost**.

Step 6: Troubleshooting

- **Error: Page not found (404)**
 - Ensure the project folder is inside `C:\laragon\www\`.
- **Error: Database connection failed**
 - Check `config.php` for correct credentials.

- **Blank page**

- Enable error reporting in config.php by adding:

php

CopyEdit

```
error_reporting(E_ALL);
```

```
ini_set('display_errors', 1);
```

Conclusion

You have successfully set up your PHP project using **Laragon**. You can now develop, test, and manage the project efficiently in your local environment. 🚀