Project Documentation

- Write at least a short paragraph that tells us what is your web site's overall purpose as well as:

  Meshbox is a personal database storage service that is frequently used for file sharing and collaboration. It is a website that offers a new and innovative way to share files. We created a database of files and documentations and gives the users the opportunity to add and benefit from each other's knowledge.

- Document how to install a minimal database your web site needs in an empty database account.
  - Refer to website
- Document any and all details on how to install and configure your website on a from-scratch, empty-directory, and empty-database configuration.

1. Get a copy of the database.

   There are a number of ways to get a database copy. phpMyAdmin has an "export" function. If you have ssh access or direct terminal access to your server, this command will also give you a backup file:

   ```
   mysqldump -u db_user -p db_database > database.sql
   ```

   That will create a file in SQL format. You will use this file later, to re-create your site in its new home.

2. Get the website's root directory (which contains application/, concrete/, updates and more).

   If you cleared your cache beforehand, the cache folders should have nothing or almost nothing in them. You do not want old cache on your new site.

   Do not delete the updates folder while your current site is still "live". Instead, if there is anything in it, check to see if your application/config/ folder contains a file named update.php. If it does, that means your site is running out of a particular version in the updates folder. If update.php exists, write down the specific name contains in the array in that file.

   To create your site archive, the easiest thing to do is to copy your entire public_html/ folder over to something like copied_site/ and then you can remove those two folders from copied site and create your archive. cPanel's File Manager lets you create an archive, and you can also do so from the command line with tar czfv site_copy.tgz copied_site/.

   Now download the archive to your machine.

3. Put your files in the new environment.

   On your new hosting environment, upload, then extract your archive so that the file structure of public_html/ matches the one on your existing site. Once that's ok, you may need to modify the permissions of these folders:

   - application/files/
   - packages/
   - updates/
   - application/config/
   - sitemap.xml

   All these files will need to be writable by the webserver, just like doing a new install. , this means making them read / write / execute allowed for owner / group / world. This can be done with the command line with chmod -R a=Xrw application/files/ packages/ updates/ application/config/ sitemap.xml or with cPanel's File Manager.

4. Create a new, empty database in the new environment and import the exported database from the first step.

   Now you need to create a new, empty database on the new hosting environment for your site to run. This can be done through phpMyAdmin.

   Once you have the new database in place, you can now import the data either using phpMyAdmin by uploading your database dump from earlier and using phpMyAdmin's import function, or just use this command:

   ```
   mysql -u db_user -p database_name < old_database.sql
   ```

   Now you should have all of your files and data in place.

5. Modify your configuration file for the new site.

   This file should contain a PHP array that looks similar to this:

```php
<?php
return array(
        'default-connection' => 'concrete',
        'connections' => array(
                'concrete' => array(
                        'driver' => 'c5_pdo_mysql',
                        'server' => 'localhost',
                        'database' => 'mydatabase',
                        'username' => 'myusername',
                        'password' => 'mypassword',
                        'charset' => 'utf8'
                )
        )
);
```

Change the values for the server, database, username and password array keys to the values appropriate for your new server.

- Include documentation that tells us how to walk through each feature of your project.
    - Starting for the Homepage
        - Can access the contact page, and the log in page.
        - Can also create database and table
    - Contact page
        - A user can contact the admin for general inquiries, report a bug, or if they have any comments or suggestions
    - Log in
        - A person can log into their account to access files or if they are new users, they can create a new account.
- Tell us where your code performs relevant security checks.
    - We have SQL protection against injection attacks