

📌 TICKET: OPS-101

Title: Initialize Project "Omega" Directory Structure

Priority: High

Assignee: Junior Linux Admin (Student)

Reporter: Lead Architect

Context

The development team is starting work on "Project Omega." They need a specific directory structure set up in your home folder to store their source code, logs, and backups. Currently, no structure exists.

Your job is to build the directory tree, create some placeholder files, organize them, and clean up temporary data.

✅ Acceptance Criteria (The Mission)

To mark this ticket as "Done," your environment must match the specific structure outlined below.

Part 1: Setup & Creation

1. Navigate to your **Home** directory.
2. Create a parent directory named `project_omega`.
3. Navigate into `project_omega`.
4. Inside, create three sub-directories: `source`, `backup`, and `temp_data`.
5. Verify you are in the correct folder by printing your current working directory.

Part 2: File Generation

1. Stay inside the `project_omega` folder.
2. Create an empty file named `index.html`.
3. Create an empty file named `error.log`.
4. Create an empty file named `junk_notes.txt`.

Part 3: Organization & Manipulation

1. **Move** the index.html file into the source directory.
2. **Copy** the error.log file into the backup directory.
3. **Rename** the copied file inside the backup folder to error_backup.log.
4. **Move** the original error.log into the source directory.

Part 4: Cleanup

1. Delete the file junk_notes.txt.
 2. Delete the directory temp_data (it should be empty).
-

Visualization of Goal State

By the end of this task, your project_omega folder should look exactly like this:

Plaintext

project_omega/

├─ backup/

| └─ error_backup.log

├─ source/

| └─ error.log

| └─ index.html