**Aldi Homework Documentation**

**Task 1: Manual Testing**

URL: <https://github.com/zephyrkyrandia/aldihwDocs>

See test cases in the excel file into the repo.

**Task 2: Frontend Testing**

URL: <https://github.com/zephyrkyrandia/aldihw>

**Task 3: API Testing**

URL: <https://github.com/zephyrkyrandia/aldihwAPI>

**Bonus**

URL: <https://github.com/zephyrkyrandia/aldihwDocs>

**Docker:**

Docker helps containerized execution of tests which are small virtual machines. They can parallelly and independently execute tests. The VMs dropped/deleted after test execution. Minimizes running cost because the „box” is exist only while the tests executes.

**JUnit + Selenium:**

1. High-Level Steps

1. Launch browser and open the app.
2. Login (if required).
3. Navigate to the tasks list or page where tasks are displayed.
4. Identify the task to delete (could be by name, ID, or position).
5. Click the Delete button for that task.
6. Handle confirmation (if there’s a pop-up or modal).
7. Verify that:
   * The task is no longer displayed.
   * A success message appears (optional).

**CI Integration:**

CI integration itself means the code changes continous integration into the main code base as well as the compilation and unit testing of it.

CD means the continous deployment of the build package possible on multiple environments. Common artifact repository and central user/pw management is very useful for this.

CT means the continous testing of the packages/services/modules/softwares. Tipically the nightly regression test, or any smoke/sanitiy tests can be run within CT. Here we can execute automated tests for example on UI, on API or on any level we are testing, like SQL tests. Since this is a big topic, this is just a very brief description.