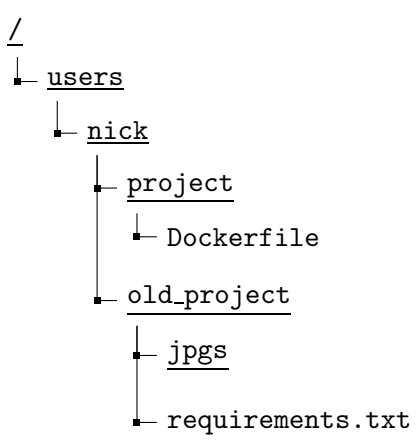
Quiz 2A | **Name:**

Instructions: Please answer the following questions making sure to write your answers legibly. If you run out of room or need to re-write use the back of this quiz. The graphic denotes the file system on a machine and the Dockerfile in `/users/nick/project`.

- Directories are underlined. Any other object should be considered a file.
- **For each question assume that you are starting from the original file system**. Ignore any changes to the file system you made in previous questions.
- You will be graded for being unnecessarily complex in your solutions.
- Any syntax not covered in class will be tested on my machine for applicability.
- **Do not assume a "home" directory location.**



Dockerfile

```
FROM python:3.10.15-bookworm

WORKDIR /prj
COPY requirements.txt .
RUN pip install -r requirements.txt

RUN mkdir /prj/data

COPY jpgdir/*.jpg /prj/data

RUN echo $MY_NAME
```

We are moving some things from our `old_project` to the `project` directory. This Dockerfile does not build or run because of issues that we will fix in the questions. Out goal is to build an image, `quiz_image` using the command `docker build . -t quiz_image` from inside the `/users/nick/project` directory.

1. Move `requirements.txt` to the correct location. Assume your current working directory is `/users/nick` and use a single command with relative paths to move the `requirements.txt` file to the correct location.

2. There are a number of `*.jpg` files in the `old_project/jpgs`. Using absolute paths, write a set of commands that will allow the `COPY` command in the Dockerfile to run properly.

3. The environment variable `MY_NAME` will be printed on the terminal at build, however it is not currently set in the Dockerfile. Please write a line of code to be added to the Dockerfile to have it print "NICK" when building.

4. We run the container using `docker run -it quiz_image /bin/bash`. Please modify this so that an environment variable (`MY_VAR`) is set inside the container, with a value of`1234`. Write the entire `docker run` command.