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**Github Link:** <https://github.com/simjunheng/OTOT-A1>

**Demo Link:** <https://drive.google.com/file/d/1iuXLyYGGPpJYQ_MpCiKQxQkz73nFAXjq/view?usp=sharing>

**INSTRUCTIONS FOR TASK A1.1**

Step 1: Create a Dockerfile with the following contents in the app folder.

Text

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Step 2: Run the command **cd app**

Step 3: Run the command **docker build -t simjunheng/myfirstapp** **.**

Step 4: Run the command **docker run -p 3000:8080 --name myfirstapp simjunheng/myfirstapp**

Step 5: Go to your browser, type localhost:3000 in your url and you should see the following webpage.

A screenshot of a computer

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**INSTRUCTIONS FOR TASK A1.2**

Step 1: Create default.conf file with the following contents in the nginx-sample folder

Text

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Step 2: Create a Dockerfile with the following contents in the nginx-sample folder

Text

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Step 3: Run the command **cd nginx-sample**

Step 4: Run the command **docker** **build -t simjunheng/nginx-sample .**

Step 5: Run the command **docker run -p 3000:80 --name nginx-sample simjunheng/nginx-sample**

Step 6: Go to your browser, type localhost:3000 in your url and you should see the following webpage.

Graphical user interface, application, Word

Description automatically generated

**INSTRUCTIONS FOR TASK A1.3**

Step 1: Create the docker-compose.yml file with the following contents under the nginx folder

Text

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Step 2: Create the default.conf file with the following contents under the nginx folder

Text

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Step 3: Run the command **cd nginx**

Step 4: Run the command **docker compose up**

Step 5: Go to your browser, type localhost:3000 in your url and you should see the following webpage.

Graphical user interface, website

Description automatically generated

More explanation of how proxy works

A picture containing diagram

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