

COMP 4964 Midterm Exam

Part 2

BCIT

Student Name: Marco Ho
BCIT ID: A01338160

You will need to work on this exam and submit everything before the due.

Note: You will get zero for this part, if you miss the due.

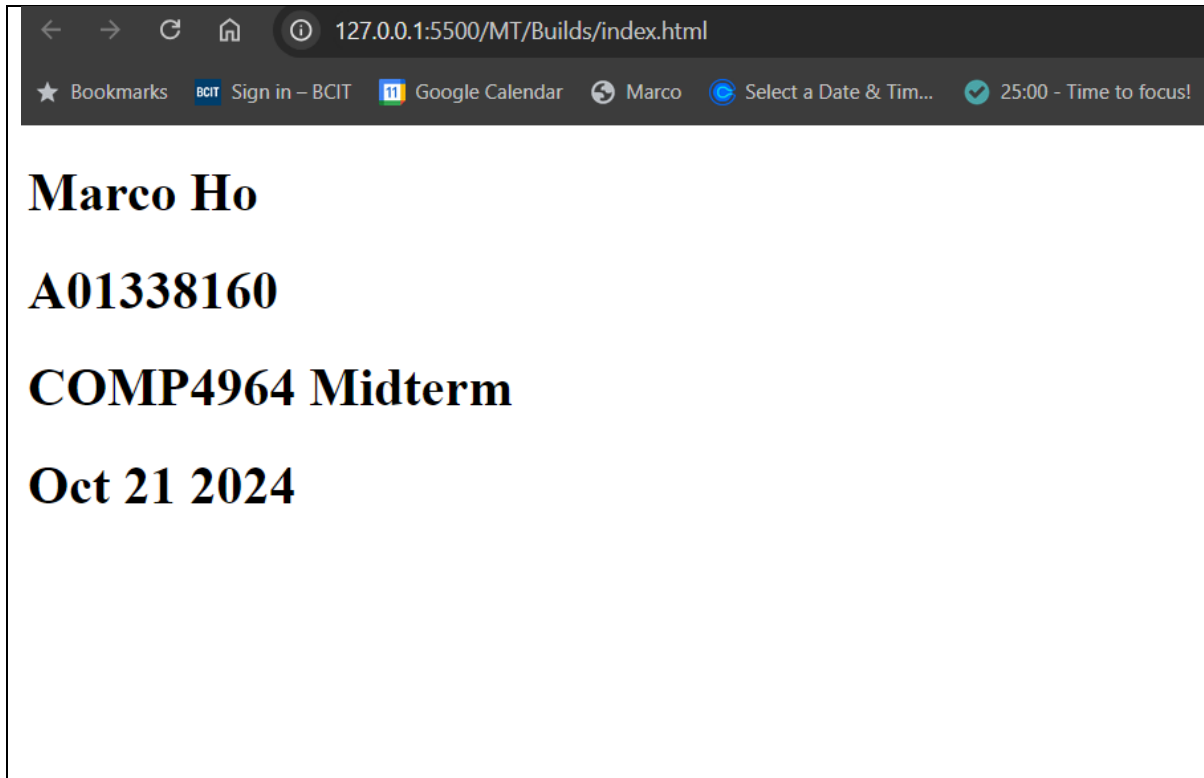
[Hint: Don't just aim to the due time. Submit as much/often as possible.]

Requirements:

- 1) Make a simple webpage showing:
Your name, your A#, "COMP4964 midterm" and today's date.
- 2) Make a Dockerfile to deploy your page on a web server.
 - Your choice of OS version
 - Your choice on specific web server (such as, APACHE2/httpd, Nginx, etc.)
- 3) Publish your docker image on to Docker registry (Docker Hub)

Four Deliverables:

- 1) A screenshot of your page shown in a browser (1 point)



- 2) Your Dockerfile content (5 points)

```
FROM node:20-alpine3.19
LABEL maintainer="mho879 <mho122@my.bcit.ca>"
WORKDIR /usr/src/app
RUN apk add --no-cache curl && \
    npm install -g serve && \
    curl -o index.html https://comp4964-mt-mho.s3.us-west-2.amazonaws.com/index.html
EXPOSE 8000
CMD ["serve", ".", "--listen", "8000"]
```

- 3) Your image name which I may use to pull your image
(name provided – 1 point; functionality, it works – 5 points)


mho879/mytnode

- 4) A screenshot of your repo on Docker Hub showing your image (Upload - 3 points)

hub.docker.com/layers/mho879/myminode/latest/images/sha256-24ec079a4edd7eb7320d1b1d459bdf12d58134cacc2d09be9fb201a65a5a0bda?context=repo

Bookmarks Sign in - BCIT Google Calendar Marco Select a Date & Time... 25:00 - Time to focus! Sprint #1 Links/Doc... Dashboard - BCIT Course Home Amazon Web Servic...

mho879 / Repositories / myminode / latest



mho879/myminode:latest

MANIFEST DIGEST sha256:24ec079a4edd7eb7320d1b1d459bdf12d58134cacc2d09be9fb201a65a5a0bda

OS/ARCH	COMPRESSED SIZE	LAST PUSHED	TYPE	MANIFEST DIGEST
linux/amd64	51.18 MB	5 minutes ago by mho879	Image	sha256:24ec079a...

Image Layers Vulnerabilities

Image Layers

```

1 ADD file ... in / 3.26 MB
2 CMD ["/bin/sh"] 0 B
3 ENV NODE_VERSION=20.18.0 0 B
4 RUN /bin/sh -c addgroup -g 40.64 MB
5 ENV YARN_VERSION=1.22.22 0 B
6 RUN /bin/sh -c apk add 1.32 MB
  
```

Command

```
ADD file:9e193d6fff4bce11c8ee715ad87def9ef40e9608d4be84cf73391edd45b2818e in /
```