This document assumes that the user has docker and curl installed. The application is tested and built on Ubuntu 23.04 and Python 3.11.2.

To build a docker image of the Flask Application, run the following command:

```
$ docker build -t flask-app .
```

Once the image has been built, run the following command to run the dockerize application:

```
$ docker run -d -p 5000:5000 flask-app
```

For testing, you can use the following commands:

Vessel APIs:

```
$ curl -X POST http://localhost:5000/vessels -d '{"name": "vessel1", "owner_id": "1", "naccs_code": "1"}'
```

```
$ curl -X PUT http://localhost:5000/vessels/1 -d '{"naccs_code": "1", "owner_id": "OwnerIDChanged", "name": "NameChanged"}'
```

Voyage APIs:

```
$ curl -X POST http://localhost:5000/voyages -d '{"vessel_naccs_code": "1", "start_time": "2022-01-01 10:00", "end_time": "2023-01-03 13:32", "start_location": "NYC", "end_location": "LA"}'
```

```
$ curl -X PUT http://localhost:5000/voyages/1 -d '{ "end_time": "2023-01-03 13:00:00", "start_location": "StartLocationUpdated", "voyage_id": "1"}'
```

The unit tests are configured so that they could be run from the root directory like such:

```
$ python3 unit_tests/test_vessel_routes.py
```