I developed a phonebook web app and deployed it on Render ([deployment link](#)) as part of the exercises for [Full Stack Course](#). The phonebook app connects with MongoDB to store the names and numbers.

Previously, the app was deployed directly from GitHub to Render using the Node.js quickstart deployment option. For this exercise, it is necessary to deploy it as a Docker image, which Render supports. I created a Dockerfile that installs the dependencies and starts the application. Additionally, I created a .dockerignore file to exclude certain files from being copied into the image:

- node_modules folder which contains installed packages
- .env file which contains environment variables
- .git folder containing version control information

After testing the image locally by running the following command, I pushed the changes to github:

docker run -it -p 127.0.0.1:3001:3001 --env-file ./.env fullstack

On Render, I created a new web service and configured the following options to deploy the application:

- Selected the git provider, repository and branch for the Source code.
- Provided a unique name *fullstack-nodejs-containerized* for the web service.
- Selected Docker as language
- Added the required environment variables for the application.
- The default path for Dockerfile in the root directory was left unchanged.

App Link: [https://fullstack-nodejs-containerized.onrender.com](https://fullstack-nodejs-containerized.onrender.com)