Software Design and Engineering

Lab Document

High Level Purpose Statement:	The goal for this lab is to set up Docker containers/images with the SaaS boilerplate project I created for the previous lab.
Experimental Design:	NextJS, Supabase, Stripe, Resend, ShadCN, NextAuth, Docker, Cursor Code Editor (Built upon VSCode) I will use Docker desktop to create an image using environment vars. I will use docker composer to mock a simple container
Resources Available:	Primary sources for boilerplate examples. Tech stack inspired from ShipFast. https://github.com/ixartz/Next-js-Boilerplate https://shipfa.st/ Docker sources: https://www.youtube.com/watch?v=gAkwW2tulqE
Time Estimate:	The project will take me about 5 hours to learn the basics of docker and to set up the dockerfiles within the saas-boilerplate.
Experiment Notes:	 Docker is cool in the fact that you can run a project on any machine Running docker and setting up is actually very easy to do.
Results:	The project now properly runs using NPM and Next.js to provide a fully functioning SaaS boilerplate. It also uses Docker to create an image of the site.
Consequences for the Future:	Nothing I can think of, please provide feedback for room in improvement.