CASE STUDY - INTRODUCTION TO KUBERNETES

You have just joined a startup Ventura Software as a Devops Lead Engineer. The company relies on a Monolithic Architecture for its product. Recently, the senior management was hired. The new CTO insists on having a Microservice Architecture. The Development Team, is working on breaking the Monolith. Meanwhile, you have been asked to host a Test Application on Kubernetes, to understand how it works.

Following things have to be implemented:

1. Deploy an Apache2 deployment of 2 replicas

2. Sample code has been checked-in at the following Git-Hub repo:

https://github.com/hshar/website.git.

You have to containerize this code, and push it to Docker Hub. Once done, deploy it on Kubernetes with 2 replicas

3. Deploy Ingress with the following rules:

i) */apache* should point to the apache pods

ii) */custom* should point to the GitHub application