GoLang Web App Deployment on Kubernetes - Task Overview

Title: GoLang Web App with Date & Time - Docker & Kubernetes Deployment
Background/Task:
This task involves creating a simple GoLang web application that displays the current date and time.
The application is containerized using Docker, published to DockerHub, and deployed on Kubernetes
using a declarative approach. Finally, the application is exposed to the internet for public access.
Step-by-Step Instructions:
Step 1: Create and Dockerize the App
- Write a GoLang program that displays current date and time via HTTP.
- Host the source code on GitHub.
- Create a Dockerfile to containerize the app.
- Build and push the Docker image to DockerHub.
Step 2: Kubernetes Deployment
- Use declarative YAML files to deploy the app with 2 replicas.
- Define necessary resources: Deployment, Service, and Namespace (if needed).
Step 3: Expose to Internet
- Use LoadBalancer or NodePort to expose the service publicly.
- Tools like Qwiklabs, Play with Kubernetes, or GCP can be used for testing in real environments.
Resources:

