Kubernetes Task

1. Containerize the Notejam application (or the application which you dockerise in week1), ensuring separate images for the application and database components.
2. Create a Deployment for the application to ensure its availability and scalability.
3. Establish a StatefulSet for the database to manage its state and persistence.
4. Configure an Ingress resource to expose the application externally.
5. Utilize ConfigMap and Secret resources to manage application configuration and sensitive information securely.
6. Create PersistentVolumes (PV) and PersistentVolumeClaims (PVC) to provide storage for the application and database.

Reference Links

1. Kubernetes Documentation | Kubernetes
2. What is Kubernetes? | IBM
3. Kubernetes Table of Content | Jhooq
4. Kubernetes | Jhooq
5. Kubernetes Cheat Sheet for day to day DevOps operations? | Jhooq