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Kubernetes Task

- 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. <u>Kubernetes Documentation | Kubernetes</u>
- 2. What is Kubernetes? | IBM
- 3. Kubernetes Table of Content | Jhooq
- 4. Kubernetes | Jhooq
- 5. <u>Kubernetes Cheat Sheet for day to day DevOps operations?</u> | Jhooq

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