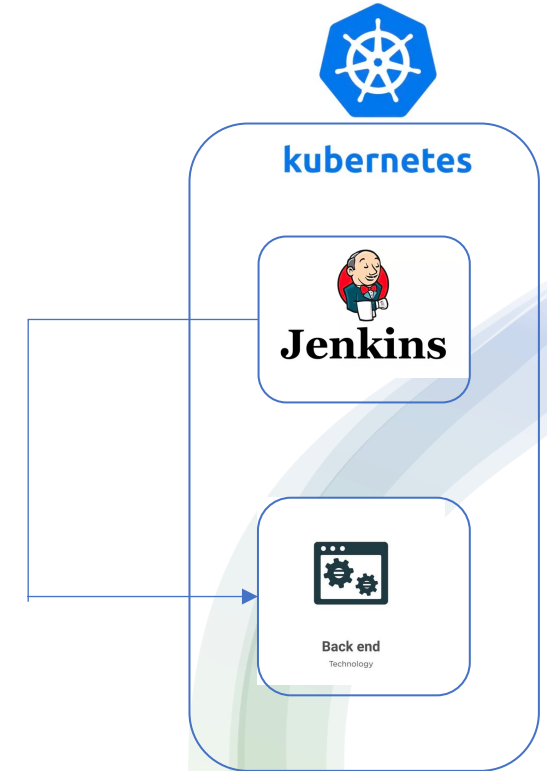


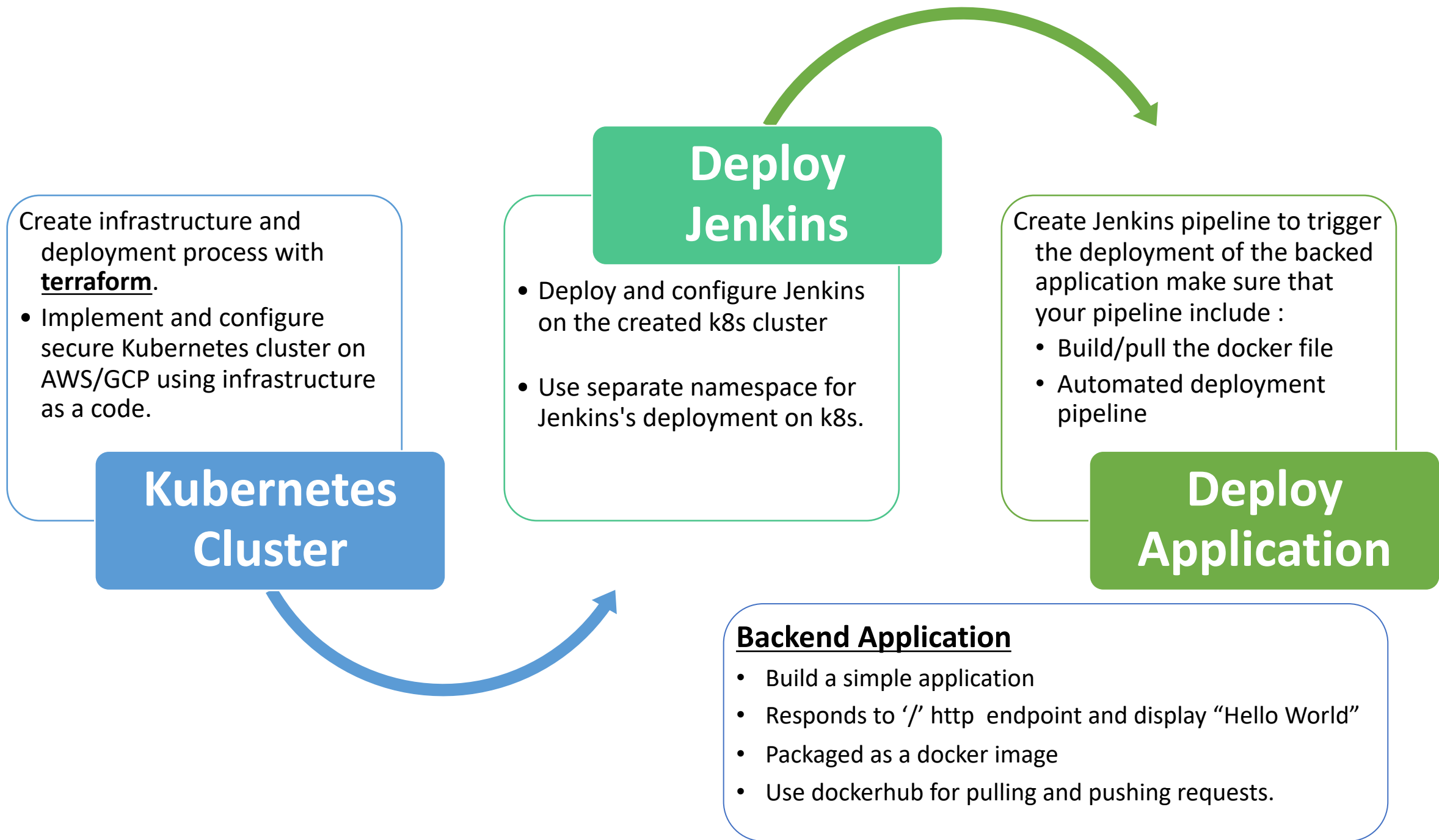


ITI Graduation Project

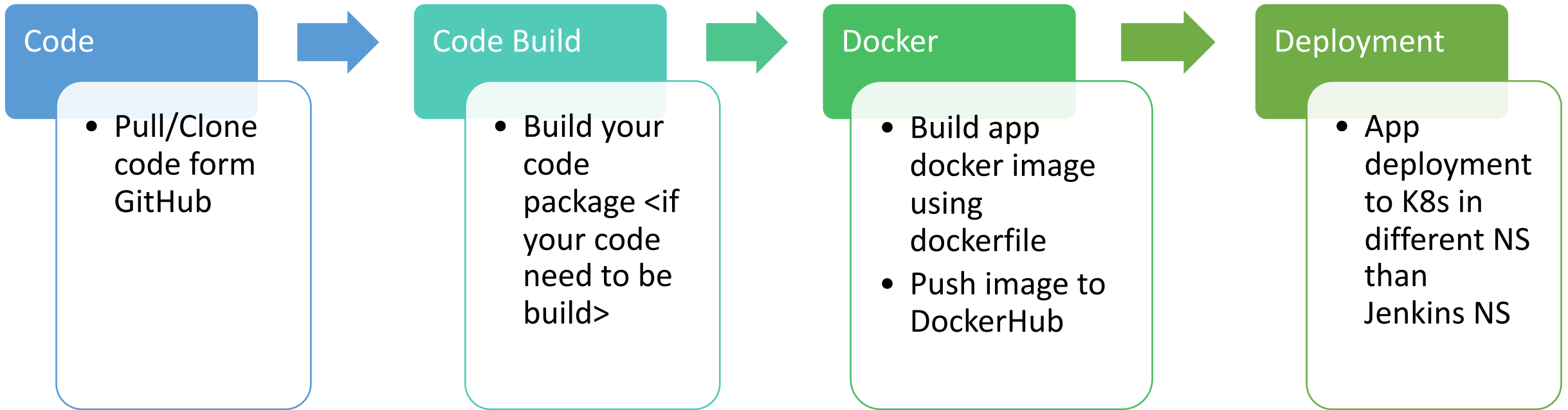
Overview

- Deploy backend application on kubernetes cluster using CI/CD jenkins pipeline using the following steps and high-level diagram :
 1. Implement secure Kubernetes cluster
 2. Deploy and configure Jenkins on Kubernetes.
 3. Deploy backend application on Kubernetes using Jenkins pipeline.
- Use the next slides for more details and requirements





Pipeline Stages



Project Delivery

Links

Jenkins link

App URL

Code

2 GitHub Repos links

- Infra repo
 - Folder for tf
 - Folder for Jenkins deployment
- App repo
 - App Code
 - Docker file
 - Deployment files
 - Jenkins file

Documentations

Try to document your thought processes. (Readme.md is a good place) Documents points like

setup, commands, description for created modules.

- What a real-life deployment would need extra?
- What can be improved upon?
- Focus on producing, we want to see what you can do best

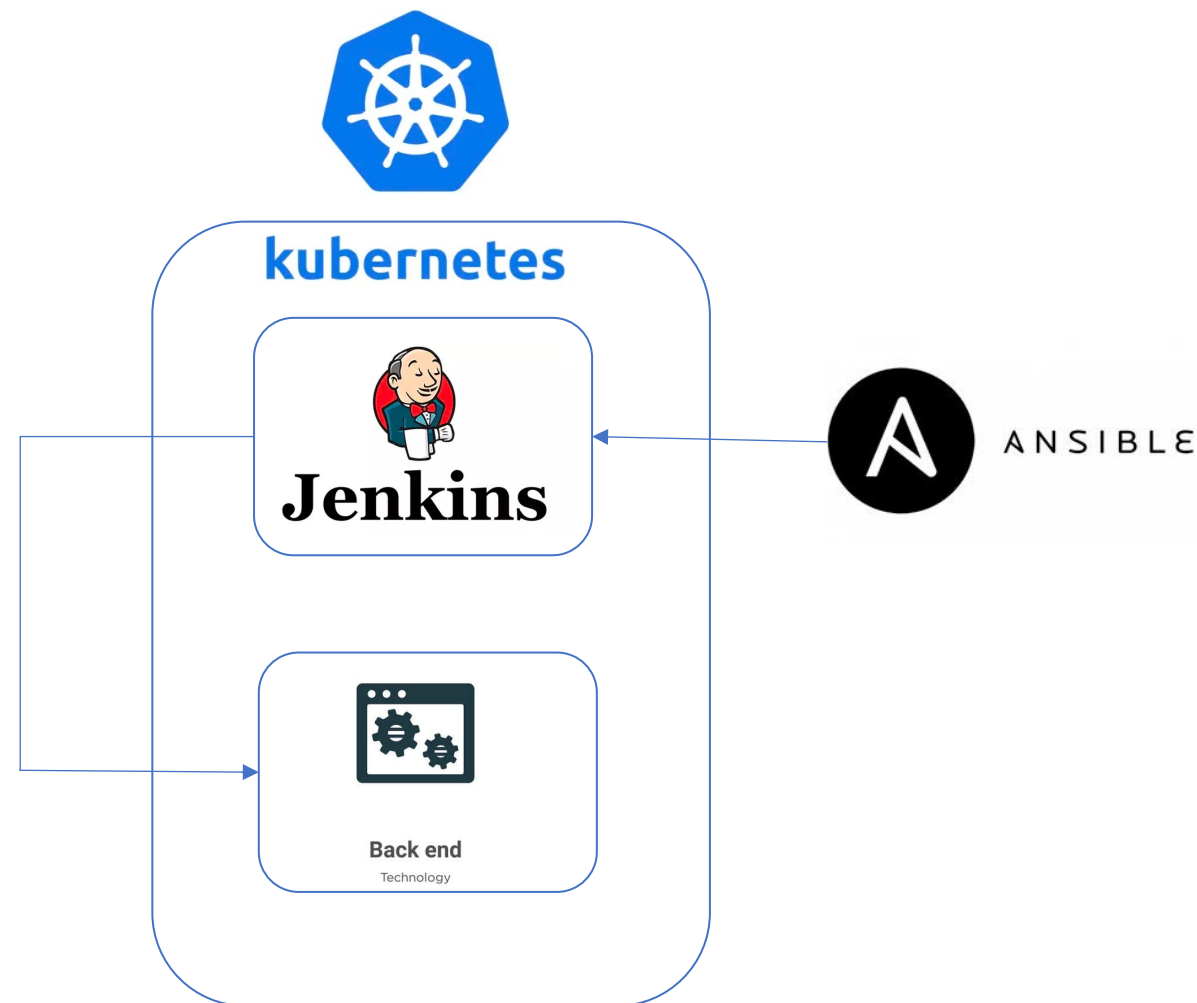
Important Notes:

- Commit often (make your progress visible).
- Limit is 3 days
- It is OK to copy and paste snippets as long as you reference them.
- Just deliver the best you can within the constraints.



Advance part

Jenkins Deployment





LUCK!