

PROJECT SPECIFICATION

### Capstone- Cloud DevOps

#### Set Up Pipeline

CRITERIA	MEETS SPECIFICATIONS
Create Github repository with project code.	All project code is stored in a GitHub repository and a link to the repository has been provided for reviewers.
Use image repository to store Docker images	The project uses a centralized image repository to manage images built in the project. After a clean build, images are pushed to the repository.

#### Build Docker Container

CRITERIA	MEETS SPECIFICATIONS
Execute linting step in code pipeline	Code is checked against a linter as part of a Continuous Integration step (demonstrated w/ two screenshots)
Build a Docker container in a pipeline	The project takes a Dockerfile and creates a Docker container in the pipeline.

#### Successful Deployment

CRITERIA	MEETS SPECIFICATIONS
The Docker container is deployed to a Kubernetes cluster	The cluster is deployed with CloudFormation or Ansible. This should be in the source code of the student's submission.
Use Blue/Green Deployment or a Rolling Deployment successfully	The project performs the correct steps to do a blue/green or a rolling deployment into the environment selected. Student demonstrates the successful completion of chosen deployment methodology with screenshots.

### Suggestions to Make Your Project Stand Out!

1. Perform additional CI steps in the pipeline outside of just linting.
2. Perform security scanning of the Docker containers
3. Post-deployment add testing of your application