FINAL-YEAR PROJECT

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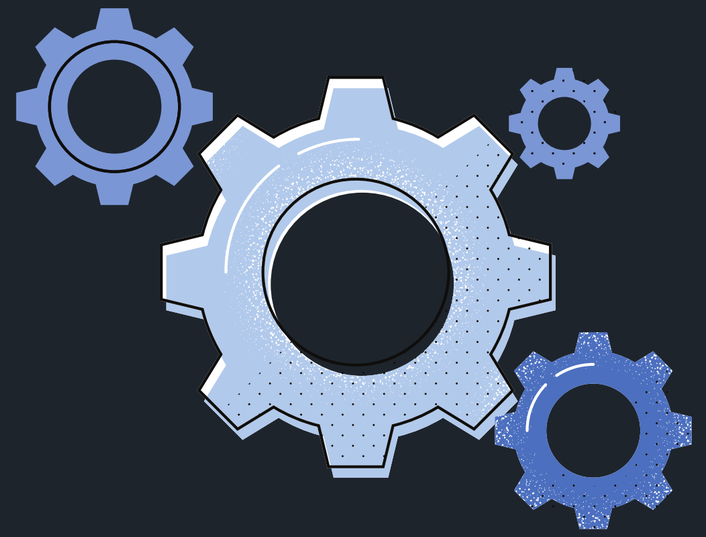
Tentative Title

Web Application for Docker and Kubernetes

Problem Identification

Docker is a toolkit which enables developers to build, deploy applications via containers. And Kubernetes is tool which is used for orchestrating the docker container. Both these tools can be operated only in Command Line Interface.

Aim & Objective of the Project

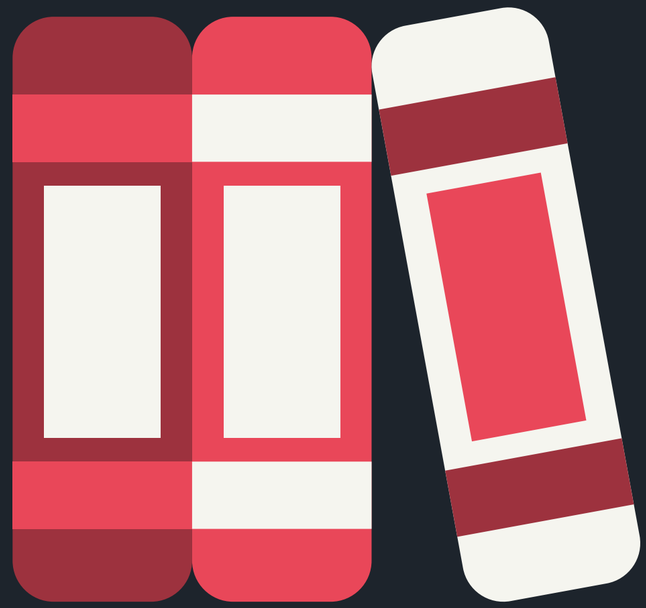


The main objective of this project is to create a web portal where user can run Docker and Kubernetes commands.

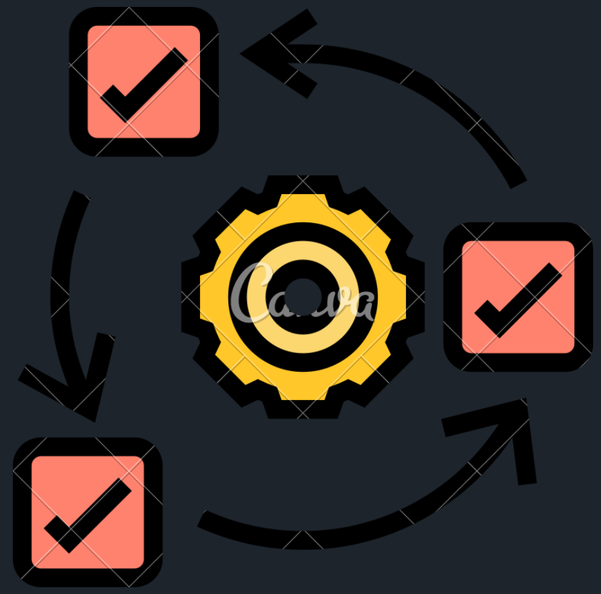
Scope of the project

Docker container allows an application to be packed together with its dependencies into a portable virtual package that can run with multi-platform support, isolation, and resource limits applied. It will be more reliable for the developer to build an deploy applications if we use the docker and kubernetes in the web browser.

Need for current study



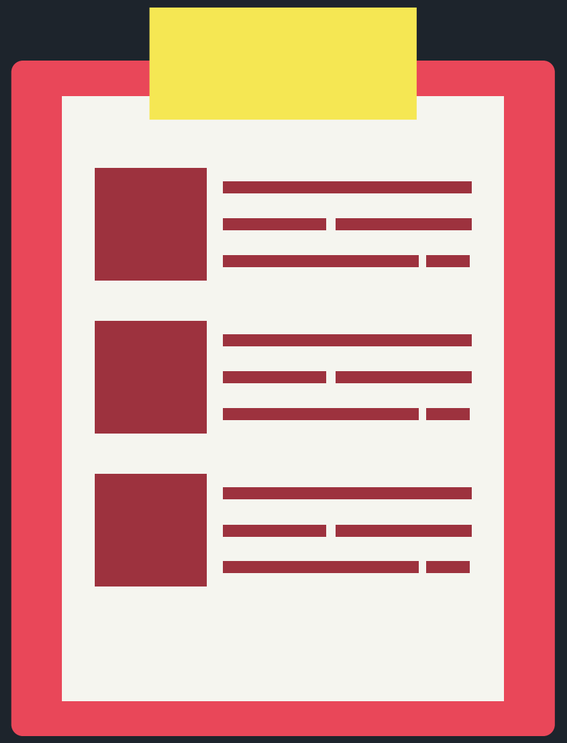
The concept of virtual machines has revolutionized the computer world. Most of the limitations of virtual machines has been overcome by the docker containers. Docker, an open source containerization platform, which enables developers to package applications into containers—standardized executable components combining application source code with the operating system (OS) libraries and dependencies make everything reliable in the IT industry. So, learning this kind of tool in the web portal will be helpful to all the IT people around the world



Proposed methodology

Using the Command Line Interface(CLI) tools in the web browser will more effortless for the users to operate Docker and Kubernetes

INDIVIDUAL RESPONSIBILITY



Muhamed Elias M(181CS206)---Integrating Docker and Kubernetes with the web portal

Kowshikaa K(181CS184)---Web Page designing for the portal

Narmada M(181CS217)---Integrating Docker and Kubenetes with the web portal