CI/CD Spring Boot Application Project Specification and Sprint Work

Version History:

Author:	Shanmugam D
Purpose:	Project Specification and Sprint Work
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Version:	1.0

Table of Content:

Modules:

- ❖ Eclipse
  - Generate .war file for spring boot project

- ❖ Github
  - Create repository and push your code to Github

- ❖ Jenkins
  - Modify and manage plugins
  - Create configurations to build from Github
  - .war file is converted to image and pushed to DockerHub

- ❖ Dockerhub
  - ♦ Docker will pull the image file from DockerHub container.

- ❖ Amazon -Aws
  - ♦ Docker is installed on S3 storage, and image gets pulled from EC2 instance, application is started

Java Technologies Used:

Java Classes, Interface
Spring Boot Tools
Sprint Boot
Annotations
Data Access Objects
Data Structures
Modularity
Jsp & JQueries
Html
MySQL

CI-CD tools used:

Eclipse
Github desktop
Github
Jenkins
DockerHub
Amazon – AWS : S3 storage, EC2 Instance

Sprints Planning:

Sprint Number	Modules
1	❖ Eclipse • Generate .war file for spring boot project ❖ Github

	• Create repository and push your code to Github
	
	❖ Jenkins
	  • Modify and manage plugins
	  • Create configurations to build from Github

2	❖ Jenkins
	  • .war file is converted to image and pushed to DockerHub
	
	❖ Dockerhub
	  ♦ Docker will pull the image file from DockerHub container.
	
	❖ Amazon -Aws
	  ♦ Docker is installed on S3 storage, and image gets pulled from EC2 instance, application is started

Project GITHUB Link:

Repository Name:	CICD-SpringbootApplication
Github Link:	https://github.com/dshaan05/CICD-SpringbootApplication