

# CI - CD

## Project Specification and Sprint Work

### Version History:

Author:	Balanarenthiran. A
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### 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
Spring 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	<ul style="list-style-type: none"><li>❖ Eclipse<ul style="list-style-type: none"><li>• Generate .war file for spring boot project</li></ul></li><li>❖ Github</li></ul>

	<ul style="list-style-type: none"> <li>• Create repository and push your code to Github</li> </ul> <ul style="list-style-type: none"> <li>❖ Jenkins <ul style="list-style-type: none"> <li>• Modify and manage plugins</li> <li>• Create configurations to build from Github</li> </ul> </li> </ul>
2	<ul style="list-style-type: none"> <li>❖ Jenkins <ul style="list-style-type: none"> <li>• .war file is converted to image and pushed to DockerHub</li> </ul> </li> <li>❖ Dockerhub <ul style="list-style-type: none"> <li>◆ Docker will pull the image file from DockerHub container.</li> </ul> </li> <li>❖ Amazon -Aws <ul style="list-style-type: none"> <li>◆ Docker is installed on S3 storage, and image gets pulled from EC2 instance, application is started</li> </ul> </li> </ul>

Project GITHUB Link:

Repository Name:	course6-cicdproj
Github Link:	<a href="https://github.com/bala-tw/course6-cicdproj">https://github.com/bala-tw/course6-cicdproj</a>