**CS692, R1 – Jenkins Progress Report**

**Team: 1  
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**Iteration 1: Planned and Completed Tasks**

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| **Planned Tasks** | **Completed Tasks** |
| 1. Create AWS account and 2 EC2s instance one for Dev and other for QA. 2. Install Java JDK and Jenkins on both instances. 3. Configure all the tools such as Tomcat, Maven, JDK, Git, NodeJS on all the nodes. 4. Manage and assigned roles on QA node. 5. Create two pipelines (One for API-backend project and other for React/NextJS-frontend project) for Dev node. 6. Create two pipelines (One for API-backend project and other for React/NextJS-frontend project) for QA node. 7. Deploy maven build and react build on respective nodes. 8. Installed and used plugins like BlueOcean. | 1. Create AWS account and 2 EC2s instance one for Dev and other for QA. 2. Install Java JDK and Jenkins on both instances. 3. Configure all the tools such as Tomcat, Maven, JDK, Git, NodeJS on all the nodes. 4. Manage and assigned roles on QA node. 5. Create two pipelines (One for API-backend project and other for React/NextJS-frontend project) for Dev node. 6. Create two pipelines (One for API-backend project and other for React/NextJS-frontend project) for QA node. 7. Deploy maven build and react build on respective nodes. 8. Installed and used plugins like BlueOcean. |

**Iteration 2: Planned and Completed Tasks**

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| **Planned Tasks** | **Completed Tasks** |
| 1. Email Notifications. 2. Enable tasks/pipeline automation. 3. Automatically trigger deployment pipelines once code change has been done on git. 4. Install and use plugins Mailer, Kubernetes and SonarQube. |  |