**CS691 – Jenkins Progress Report**

**Team 3**

**Application: HireHub**

**Sprint 1: Planned and Completed Tasks**

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| Planned Tasks | Completed Tasks |
| 1. Pipeline Configuration for Dev and QA Environment  2. Integration with Git, Node.js, and MongoDB - Dependencies  3. Slack communication established: Build deploy to QA environment  4. Configure Jenkins to send Slack notifications for build and deployment status  5.Perform exploratory testing post-deployment to Dev using Jenkins | 1. Successfully configured Jenkins pipelines for both Dev and QA environments.  2. Integrated with Git Node.js and other dependencies.  3. Slack notifications are now triggered when builds are deployed to the QA environment  4. Jenkins is integrated with Slack, sending notifications for every **build** and **deployment status** (success or failure).  5.Exploratory testing was manually performed post-deployment to the Dev environment. |

**Sprint 2: Planned and Completed Tasks**

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| Planned Tasks | Completed Tasks |
| 1. Configure Webhook on GitHub to trigger Jenkins pipeline  2. Enable pipeline automation (DEV and QA)  3. Automatically trigger deployment to DEV and QA Pipelines  4. Install Blue Ocean plugin to visualize and manage pipelines. | 1. Configured Webhook on GitHub to integrate and trigger pipelines, receiving events directly from the Git repo.  2. Successfully Enabled pipeline automation for DEV and QA.  3. Automatically triggered deployment to DEV and QA pipelines when code changes on committed on Git repo.  4. Installed Blue Ocean plugin to visualize and manage pipelines |

**Sprint 3: Planned and Completed Tasks**

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| Planned Tasks | Completed Tasks |
| 1. Email communication established: Build deploy to DEV and QA environment, ensuring correct configuration set-up.  2. Configure email to send notifications on build and deployment status, for both successful and failure builds. | 1. Email communication was successfully established, build deployed to the DEV and QA env with the configuration set-up.  2. Email notifications were successfully configured to send updates on build and deployment status for both successful and failed builds. |