**CS691 – Jenkins Progress Report**

**Team 3**

**Application: Stylehive**

**Jenkins Admin: Priyanshu Rastogi**

**Sprint 1: Planned and Completed Tasks**

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| **Planned Tasks** | **Completed tasks** |
| * Integration with git, java, tomcat and MySQL * setting up Jenkins to automate CI/CD processes for both Dev and QA environments. * Outline which applications, microservices, or modules will be covered in the Dev and QA pipelines. * Set up the Slack Notification Plugin in Jenkins, generate a webhook from Slack, and configure it in Jenkins to enable communication between the Jenkins server and a designated Slack channel. * Add Slack notifications to Jenkins pipelines by using slackSend in the Jenkins file to notify the team of build statuses (success, failure) in specified channels for Dev and QA environments. * Ensure notifications are sent on build events and customize messages to include relevant information (e.g., build number, environment, and failure reasons). | * Integration with git, java, tomcat and MySQL * setting up Jenkins to automate CI/CD processes for both Dev and QA environments. * Outline which applications, microservices, or modules will be covered in the Dev and QA pipelines. * Set up the Slack Notification Plugin in Jenkins, generate a webhook from Slack, and configure it in Jenkins to enable communication between the Jenkins server and a designated Slack channel. * Add Slack notifications to Jenkins pipelines by using slackSend in the Jenkins file to notify the team of build statuses (success, failure) in specified channels for Dev and QA environments. * Ensure notifications are sent on build events and customize messages to include relevant information (e.g., build number, environment, and failure reasons). |

**Sprint 2: Planned and Completed Tasks**

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| **Planned Tasks** | **Completed tasks** |
| * Implementing Email notifications in the system. * Enable automatic trigger using WebHooks in QA. * Configure team email addresses and enhance build notification details in email alerts. * Generate and publish automated build reports using reporting plugins. * Research about any other useful plugins that can be installed to improve the overall process. | * Implemented email notifications in the system. * Enabled automatic triggers using WebHooks in QA. * Configured team email addresses and enhanced build notification details in email alerts. * Generated and published automated build reports using reporting plugins. * Researched other useful plugins to improve the overall process. |

**Sprint 3: Planned and Completed Tasks**

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| **Planned Tasks** | **Completed tasks** |
| * Work with the team to prioritize user stories and tasks, balancing impact and effort for maximum value delivery. Create Task Breakdown: Decomposed high-priority backlog items into smaller, actionable tasks to streamline execution. * Install Blue Ocean plugin which is a new user experience for Jenkins based on a personalize, modern design that allows users to graphically create, visualize and diagnose Continuous Delivery (CD) Pipelines. * Risk Assessment: Identify potential risks and defined mitigation strategies to address them proactively. * Implement Grafana Dashboard for visualizing metrics. * Organize sessions to onboard the team on new tools, technologies, and process updates planned for Sprint 3. | • Prioritized User Stories: Collaborated with the team to rank user stories and tasks, balancing impact and effort to maximize value delivery.  • Installed Blue Ocean plugin as a suite of plugins on an existing Jenkins controller.  • Risk Assessment and Mitigation: Identified potential risks such as dependency delays and integration challenges, defining and implementing mitigation strategies to address them proactively.  • Installed Grafana Dashboard in my project.  • Team Onboarding: Organized and facilitated sessions to onboard the team on new tools, technologies, and process updates planned for Sprint 3. |