**CS691 – Jenkins Progress Report**

**Team 2**

**Application: Bargain Hunter**

**Sprint 1: Planned and Completed Tasks**

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| **Planned Tasks** | **Completed Tasks** |
| 1. Download & Install Java JDK and Jenkins 2. Jenkins Configuration:  * Install suggested plugins * Create Admin User  1. AWS Setup – Dev & QA VMs 2. Integration with git, java, tomcat and MySQL | 1. Downloaded & Installed Java JDK and Jenkins 2. Jenkins Configuration:  * Installed suggested plugins. * Created Admin User  1. AWS Setup – Dev & QA VMs completed. 2. Integration with git, java, tomcat and MySQL completed. |

**Sprint 2: Planned and Completed Tasks**

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| **Planned Tasks** | **Completed Tasks** |
| 1. Creation of CI/CD pipelines for Dev and Test servers 2. Configure Webhook on Git hub to trigger Jenkins Pipeline 3. Enable tasks/pipeline automation. (Implement Automate testing and   Deployment Automation)   1. Automatically trigger deployment pipelines once code change has been done on git. 2. Implement, Monitoring and Logging | 1. Created of CI/CD pipelines for Dev and Test servers 2. Configure Webhook on Git hub to trigger Jenkins Pipeline 3. Enable tasks/pipeline automation. (Implement Automate testing and   Deployment Automation)   1. Automatically trigger deployment pipelines once code change has been done on git. 2. Implement, Monitoring and Logging |

**Sprint 3: Planned and Completed Tasks**

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| **Planned Tasks** | **Completed Tasks** |
| 1. Implement Blue-Green Deployment Strategy 2. Enhance Monitoring and Alerting System for Production Environment 3. Implement Continuous Deployment to Production 4. Set up Environment Configuration Management 5. Develop Rollback Mechanism for CI/CD Pipeline 6. Implement Automated Testing in CI/CD Pipeline 7. Enhance Security Measures in CI/CD Pipeline | * + - 1. Implement Blue-Green Deployment Strategy       2. Enhance Monitoring and Alerting System for Production Environment       3. Implement Continuous Deployment to Production       4. Set up Environment Configuration Management       5. Develop Rollback Mechanism for CI/CD Pipeline       6. Implement Automated Testing in CI/CD Pipeline  1. Enhance Security Measures in CI/CD Pipeline |