DS 598 Week 7 Assignment

1. What did you do last week?

Proficient in utilizing AGILE and SCRUM methodologies and Test-Driven Development for software development. Skilled in developing client-side and server-side components using Java/J2EE design patterns and frameworks such as Spring Boot, Micro Services, AOP, Webservices, Hibernate, JDBC, JPA, JSP, POJO's, JSON, and Multithreading, and proficient in writing JUnit tests. The Quote and Bind Portal is integrated with Guidewire Policy Center, which is the primary system for policy records quoted and/or bound through the web portal. It encompasses most of the business logic and rules required for the quote process, including data validation, underwriting rules, and integrations with external systems..

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1. What do you plan to do this week?

* I used to plan and conduct testing by writing test cases for the code I developed, including unit tests, functional tests, and integration tests.
* Once the test cases are complete, I need to assess the quality of the code.
* To aid in testing, we are currently utilizing SonarQube.
* When working on a Java project involving images, the possibilities are vast, ranging from simple image manipulation tools to more complex image processing and computer vision projects. Some ideas for a Java project with images could include developing an image processing library capable of reading, writing, and manipulating images in various formats, performing operations such as cropping, resizing, and color correction, among others.

1. What were the challenges you faced? What were your learning this week?

Interacted with the stakeholders and gathered requirements and business artifacts based on Agile Scrum methodology. Involved in multi-tiered J2EE design utilizing Spring Inversion of Control (IOC) architecture and hibernate and CMS.

The Policy Holder Self-Service Quote and Bind Portal is browser-based web application that enables prospective policyholders to create quotes and bind policies online. the difficulties that insurance agency and specialists might look in the statement and tough situation process.

Intricacy of arrangements: Insurance contracts can be intricate and challenging for clients to comprehend. Insurance specialists should have the option to make sense of the contract agreements obviously to the client and guarantee that they completely comprehend what they are consenting to.

* 4. Which tool/ software/programming you used as part of your work?

For our software project, we utilized Github for coding and manual testing, as well as technical documentation of requirements and system design. We conducted design and code reviews and created class and sequence diagrams for all functional and non-functional requirements. Our team was responsible for coding, testing, debugging, implementing, and documenting moderately complex programs in Java/J2EE, JSP, Spring, and Hibernate. The application was developed using Spring MVC, JDK1.7, and Restful Web Services. We designed systems and programs within the Spring framework and Web Services to meet complex requirements. Once the code was reviewed by two team members, it was moved to merge. During the review process, if we received comments from team members, we made changes accordingly.

In the event of code changes that resulted in conflicts, we worked on resolving them and committed the changes to the branch before passing it for review again.

When executing our project, if we received a 200 code response, it indicated that the file was uploaded successfully.