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Welcome to Module One

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Dear Students,

Welcome to the first week of our course. This week we will be covering our first module of the course. In this introductory module, we will begin our journey to explore various models, methodologies, and frameworks employed in the realm of software development. Our primary focus will be on understanding the Scrum framework within the agile methodology, and how it represents a significant improvement over traditional models like the waterfall model. We will examine various design models, focusing particularly on the waterfall model and the agile methodology. While both models share common phases such as requirements analysis, system design, implementation, testing, deployment, and maintenance, we will emphasize agile design as it is the prevailing methodology known for its effectiveness in rapid software development.

Module Highlights:

- **Focus on Scrum Framework:** We will dedicate substantial attention to understanding the Scrum framework, its roles, events, and artifacts, as it represents the forefront of modern software development practices.
- **Agile Versus Waterfall:** Through comparisons with the waterfall model, you will grasp the advantages of agile methodologies, particularly in terms of adaptability to changing requirements, customer feedback incorporation, and iterative development cycles.
- **Eclipse IDE:** As part of this course, Eclipse is the required Integrated Development Environment (IDE). I encourage you to complete the "Hello World!" program in the tutorial activity to ensure that your Eclipse setup is configured correctly.

- **Codio:** Students will use Codio to access a virtual lab where they can interact with the software needed for this course. Tutorials to navigate these environments and the link to access Codio have been provided for students in the Codio module of the course. If you experience an urgent issue with Codio, contact the IT Service Desk.

Module One: To Do's

- **Review Resources:** Familiarize yourself with the module resources provided.
- **Participate in Discussion:** Engage in the week's discussion by posting your initial response and contribute to the discussion by responding to your peers' posts. Please review the discussion rubric before posting your response.
- **Complete Tutorials:** Access the Eclipse IDE tutorials to set up your development environment.
- **Take the Quiz:** Assess your understanding of the module content through the Module One quiz.
- **Review Final Project:** Begin reviewing the requirements for the final project to prepare for future assignments.

Prepare yourself for an enlightening journey into the world of software development methodologies and the SDLC. I look forward to your active participation in this module!

Please feel free to reach out to me if you have any questions.

Best,

Robin