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# Module Seven Announcement

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Welcome everyone to Module Seven of CS-320 Software Test Automation and QA,

In the last six modules, you learned how to write tests to verify and validate requirements for the backend of your mobile application. In this module, you will be submitting Project Two. It should be complete and should provide a summary of your testing approach throughout the mobile application. Be sure to answer questions such as the following:

- How did I verify the mobile application requirements?
- Was my test coverage sufficient to release my application in production?

In addition, please review the grading rubric and reach out to me if you have any questions. Furthermore, you will be learning about the testing mindset. This is an important key takeaway from this module. Developers often believe that their software is bug-free. In many cases, they develop insufficient tests because they are not looking hard enough for bugs. Testers often believe there are bugs in every piece of software they test and that it is their job to uncover them. We will also explore incidences of released escapements and defects and their impacts.

In many software development projects, including those projects I've been involved with and am now currently running, testing can take 25-50% of the development time. The definition of clean code, according to Uncle Bob (Robert C Martin) is code that has tests. I'd continue with code that has sufficient code coverage and tests that are passing. Most developers who join their first software development team are surprised at the number of bugs that arise from their code, even after they feel they have tested. Most experienced developers test their

code exhaustively before committing. They pull in QA and product owners to check their assumptions and their test cases. Half of the time they spend in delivering their code is spent in testing their code. The QA team provides a second check, a sanity check, and a different viewpoint for testing. This testing mindset is something that all developers and QA engineers must embrace to be successful and deliver quality code and clean code.

This is the recommended plan for completing the reading assignments and activities within the module. Additional information can be found in the module Resources section and on the module table of contents page.

1. Read the Module Seven resources:

1. *When Coding Goes Wrong*
  2. *Clear and Present Danger: Why We Refused to Give Up*
  3. *The Explosion of Ariane 5*

2. Post your initial response to this week's discussion (initial post due Thursday).
3. Submit Project Two.
4. Create your GitHub repository and invite me. My GitHub handle is **robtuft**.
5. Post peer responses to the discussion.

Let me know if you have any questions.

Rob