

Meeting Minutes

Agenda:	Fifth Roundtable on the First Event of SQA Bangladesh
Date:	August 19, 2006
Start Time:	5:15 pm
End Time:	6:30 pm
Participants: (Name and Company)	Kabir Ahmed, Metatude Asia Ltd. Tahmidul Islam, Relisource Tech Ltd. Mosharraf Hossain, eGeneration Syed Shabbir Husain, Uniqa BDC Ltd. Shahadatul Hakim, Enosis Sajjadul Hakim, Uniqa BDC Ltd. Md. Shaiful Islam, Uniqa BDC Ltd. Zikrul Ahsan, Invogue Software Atiquzzaman, Therap(BD) Tasnim Fariyah, Therap(BD) Fahmida Asir, Therap(BD) Mojahidul Haque Abul Hasanat, Therap(BD) A.S.M.M. Monsur Ul Hakim, Millennium Info Sol. Ltd.
Moderator:	Sajjadul Hakim
Scribe:	Sajjadul Hakim

This roundtable was a continuation of the previous roundtables on the first event of SQA Bangladesh (SQABD). The first event will be called “**TDD: A Software Development Technique**”. The event will be divided into two parts, a 3 hour seminar on day-1 and an all day workshop on day-2.

This roundtable was based on the review of the day-1 seminar content, prepared by Mosharraf Hossain.

The participants raised the following issues from their past experience:

1. Why would companies want to implement TDD and Unit Testing?
2. Some have tried it and did not find it effective. What went wrong?

After an elaborate discussion, the participants came to a consensus on the following points and advised that the presentation should include them:

1. What is the problem?
 - a. A brief description of why starting black box testing, after the development is completed, is not an effective approach to identify code logic bugs.
 - b. Frequent change requests may make the source code unstable creating a nightmare for the testers.
 - c. Lack of designing before development starts.
2. Reasons why TDD and Unit Testing is discontinued, and the solution
 - a. Developers often complain that unit testing is boring because it does not bring immediate value to them, and that they have to write too much test code.

- b. Using Mock Objects should reduce stress of developers since it forces the design to incorporate testability. This in turn allows the developer to concentrate on a particular source code unit instead of dependencies with other modules.
- c. Pair Programming allows the peer developer to concentrate on the test code. Another useful practice would be to allow skilled testers to write test code by Pair Testing with the developer.
- d. Following MVC framework makes the source code more testable. If developers concentrate on unit testing the Model layer instead of the View and Controller, then test code is reduced considerably.
- e. Developers should consult with the development lead before coding starts, to identify hot spots where unit testing should be done. This way, developers will not attempt to write test code for the entire application.

The participants advised that the presentation needs to be updated with the following content sequence to increase the effectiveness of the presentation for the audience:

1. SQABD Mission
2. What is the problem?
3. How TDD solves the problem?
4. TDD lifecycle
5. What is Unit Testing?
6. What is not a Unit Test?
7. “A TRIP” – Automatic, Thorough, Repeatable, Independent, Professional
8. What is NUnit?
9. Unit Testing Example
10. Outline the day-2 workshop content

The following content change requests from the previous roundtables are still pending:

1. Write test first or write a stub class first
2. How to apply unit tests to legacy code
3. Recommend some unit testing tools other than NUnit
4. How to present NCover to the audience
5. Include some of the materials from Syed Shabbir Husain’s TDD document into Mosharraf Hossain’s PPT

Decisions and ToDo

1. Mosharraf Hossain will update the day-1 presentation according to today’s feedback.
2. Mosharraf Hossain will look into NMock2 to find out if it is feasible to update the current slides, which is already done with examples from NMock.
3. Mosharraf Hossain will do R&D on the sample desktop application. The application will have a GUI front-end and a database backend, since we think this scenario resembles majority of the projects in Bangladesh.
4. Mosharraf Hossain will complete the slides on Refactoring.
5. Tahmidul Islam and Md. Shaiful Islam will continue to contact the moderators of active Bangladeshi IT user groups. This will enable the groups to help each other plan, organize and promote the activities and events for a common cause.