

# Usability Testing for a Ship Management Application



## Client Overview

- Leader in developing Ship Management Application



## Business Requirements

- Test the end to end functionality of the shipping application
- Validate synchronization between ship and shore systems
- The testing performed by the in-house testing team did not result in a defect free application
- Understand the ship's voyage pattern and the reporting requirements
- Overcoming the gaps found in the design documents
- Testing the synchronization between the ship and shore servers



## Our Solutions

- Understand application functional features and architecture
- Develop test cases for various modules and the usability checklist
- Complete coverage of usability features under various modules and screens to provide a 100% User friendly application to the end user
- Test positive and negative test scenarios
- Structured testing was performed on the application
- The Usability checklist items created were re-useable and would be used for regression testing on the application
- Create Integration, Business level and Synchronization Scenarios



## Technology

- Defect Management Tool – Bugzilla, Test Management Tool – MS Excel 2010, Development Framework – ASP.Net, Database – SQL Server 2008



## Business Impact

- Suggested enhancements from the end-user's point of view
- Recommended the appropriate test environment for testing the application
- Performed exploratory testing in addition to the structured testing services
- Test efficiency/coverage of the application improvised to 93%
- Took part in all the defect tracking meetings conducted by the client



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