Exercise: SRS Inspection
The Digital Home Case Study

SRS Inspection Exercise

Scenario

In early September of 2010, HomeOwner Inc. (the largest national retail chain serving the needs of home owners) established a new DigitalHomeOwner division that was set up to explore the opportunities for equipping and serving "smart houses" (dwellings that integrate smart technology into every aspect of home living). In September and October of 2010, the Marketing Division of HomeOwner conducted a needs assessment for a DigitalHome product that would provide the computer and communication infrastructure for managing and controlling the "smart" devices into a home to best meet the needs and desires of homeowners. The Marketing Division produced two documents: the DH Customer Need Statement and the DH High Level Requirements Definition (HLRD).

In early September 2010, a five person team was assembled for the project and started a "project launch". After project planning was completed the team began work on requirements analysis and specification. The first version, 1.0, was completed in early October 2010 and versions 1.1 and 1.2 were completed by late October.

In consultation with Jose Ortiz, the team has decided to carry out a formal Fagan inspection of the SRS, version 1.2. Jose has agreed to act as a customer on the inspection team, Michel Jackson is the author, Disha Chandra will be the moderator and other roles will be assigned in the overview meeting.

Learning Objectives:

Upon completion of this exercise students will have increased ability to:
* Appreciate and understand the roles and responsibilities of an inspection team
* Work as a member of an Inspection Team.
* Work more effectively as part of a team.
* Assess the quality of a Software Requirements Specification (SRS).
* Describe problems in specifying the requirements for a software product.
* Explain the inspection process.
* Describe the value of the Fagan inspection process.
* Gain experience working with and generating inspection artifacts.

Reading Assignment

Read the below Case Study Artifacts:
* DH Background Scenario
* DH Team Biographical Sketches
* DH Customer Need Statement
* DH High Level Requirements Definition (HLRD)
* DH SRS, Version 1.2

Inspection Package

* Inspection Process Description
* SRS Checklist
* Defect Log
* Inspection Summary Report Form

Exercise Description

1. As preparation for this exercise, read the Case Study Artifacts listed above, except for the DH SRS. The DH SRS will be reviewed as part of the inspection process in part 3 below.
2. You will be assigned to a small development team (like the DH team).
3. Your team is to take on the role of the DH Team and prepare for the inspection of a Software Requirements Specification.
   a. First, review the inspection package materials (list above).
   b. Then follow the Inspection Process and any special instructions from your teacher.
4. <u>Notes</u>:

   a. Inspectors should take care to closely review their assigned portion of the SRS. A review rate of 2-3 pages per hour is reasonable.

   b. Each team member must be conscientious about recording all the time spent during the inspection process.

   c. The Rework and Follow-Up phases of the Inspection Process are not part of this exercise. Also, the part of the Exit Criteria "Software work product has been revised, removing identified defects" does not apply in this exercise.