Operational scenario instructions and template

Personal Software Process for Engineers

# Table C67: Operational Scenario Template Instructions

|  |  |
| --- | --- |
| Purpose | * This template holds descriptions of likely operational scenarios to be followed in using the program. * The template is used to ensure that the designers consider all significant usage issues. * It is also used to specify test scenarios. |
| Header | Enter the following:   * Your name and today’s date * The program name and number * The instructor’s name * The language you used to write the program |
| Use | * This template should be used for complete programs, subsystems, or systems. * Multiple scenarios may be grouped on a single template as long as they are clearly distinguished and have related objectives. |
| Scenario number | Where several scenarios are involved, reference numbers are required. |
| User objective | List the users’ likely purpose for the scenario (for example, to start the system and select the operational mode). |
| Scenario objective | List the designer's purpose for the scenario (for example, to define the common errors that users can make when selecting operational modes). |
| Source | The source of the scenario action (For example, three sources could be user, program, and system.) |
| Step | Provide sequence numbers for the scenario steps. These are needed when the scenario recycles, branches, or repeats. |
| Action | Describe the action the source takes, such as the following:   * Enter incorrect mode selection. * Provide error message. |
| Comments | List significant information relating to the action, such as the following:   * User enters an alphabetical, rather than a numerical, mode selection. * System message: “Incorrect selection, try again.” |

# Table C66: Operational Scenario Template

|  |  |  |  |
| --- | --- | --- | --- |
| Student |  | Date |  |
| Program |  | Program # |  |
| Instructor |  | Language |  |

Construct operational scenarios to cover the normal and abnormal program uses, including user errors:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Scenario # | | | User Objective: | |
| Scenario Objective: | | | | |
| Source | Step | Action | | Comments |
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Document Markings

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