CS 3331 Use Case Template

|  |  |
| --- | --- |
| **USE CASE # 001** | <UseCaseName> |
| * **Main objective** | <provide description> |
| **Scope and level** | < Main >  < or Second level> |
| **Preconditions** | < describe what state or event holds before starting the use case > |
| **Condition for a success final** | * <describe What is truth at the end of the use case, changes, new elements> |
| **Actors** | < Name of Actor(s) interacting with UC > |
| **Trigger condition (event)** | < event that may trigger the UC > |

For the scenarios use the following template

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Scenario name:** | **Ok or UC name with specific characteristic** |  |  |
|  | **Note: one action/response x line**  **Actor action** | **System Response** |  |  |
| 1 | << start with actor action >> | / / / / / / / / |  |  |
| 2 | / / / / / | << enter system response >> |  |  |
| 3 | / / / / / | << enter system verification if applicable >> |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| 14 |  |  |  |  |
|  |  | \* Do not write actions and responses in the same row \* use one row per system response |  |  |
| Sub-flows address how to handle failed verifications | |  |  |  |
|  | - you need a sub-flow for each of the verifications in the scenario   - There are two possible options: 1. being able to handle errors or   2. Send a message and terminate UC  - A sub-flow follows the same rules as a scenario.  - Start your scenario with the same number of the associated verification activity   and write the same verification activity  - Sub-flows may also include actors inputs if needed  - An example of a sub-flow that deals with errors and comebacks to step in the main flow | |  |  |
|  | **Sub-flow name:** | e.g. verification activity name |  |  |
|  | Actor action | System Response |  |  |
| # |  |  |  |  |
| #+1 |  |  |  |  |
| #+2 |  |  |  |  |
| #+3 |  |  |  |  |
| #+4 |  |  |  |  |
|  |  |  |  |  |
|  | … as many sub-flows as verification activities in the scenario | |  |  |
|  |  |  |  |  |
|  | **Sub-flow name:** | e.g. verification activity name |  |  |
|  | Actor action | System Response |  |  |
| # |  |  |  |  |
| #+1 |  |  |  |  |
| #+2 |  |  |  |  |
| #+3 |  |  |  |  |
| #+4 |  |  |  |  |
|  |  |  |  |  |
|  | **Alternate Scenarios: other ways to provide the same service (use case)** | |  |  |
|  | Alternate scenario name: | <<enter main characteristic>> |  |  |
|  | Alternate scenario name: | <<enter main characteristic>> |  |  |
|  |  |  |  |  |

Use the following checklist

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Criteria** | Pass Y/N | Comment |
| **Steps** | are numbered |  |  |
| sequential order |  |  |
| Sub-flow # starts with the verification activity number |  |  |
| Start with an actor or system + verb |  |  |
| **Flow** | Start with an actor |  |  |
| After actor action must follow system actions |  |  |
| must include system verifications |  |  |
| **Sub-flows** | Sub-flow name is the failed verification activity |  |  |
| start number at verification action number |  |  |
| must terminate the scenario or go back to the scenario |  |  |