USE-CASE MODELING GUIDELINES

Brief Description

This document shall help standardize and unify the way of filling use-case templates. Requirement analysis team members, differ in the style of writing and expression of use-case information. This document shall clarify the way of writing precisely.

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[Not Yet Required]

Consensus Points:

<table>
<tr><th>Seq.</th><th>Consensus Point</th><th>Group</th></tr>
<tr><td>1</td><td>Each use-case shall be triggered or started by a code, that is the GO-Code</td><td>Go-Code</td></tr>
<tr><td>2</td><td>The GO-Code consists of 2 letters and 2 digits, its formatted as $$## [2 characters 2 Digits] e.g. → CR01</td><td>Go-Code</td></tr>
<tr><td>3</td><td>The GO-Code $$ values carry following meanings:
<table>
<tr><th>$$</th><th>Meaning</th></tr>
<tr><td>CR</td><td>Coordinator Actor</td></tr>
<tr><td>CU</td><td>Customer Actor [any Buying or Selling Actor]</td></tr>
<tr><td>BU</td><td>Buying Customer Actor</td></tr>
<tr><td>SU</td><td>Selling Customer Actor</td></tr>
<tr><td>VS</td><td>Visitor Actor</td></tr>
</table></td><td>Go-Code</td></tr>
<tr><td>4</td><td>The GO-Code digits shall start from 01 not 00</td><td>Go-Code</td></tr>
<tr><td>5</td><td>Each use-case name shall have a use-case code, that is UCCode
The UCCode consists of 4 letters, its formatted as $$$$ [4 characters] e.g. --> Post An Item use-case has PTIT UCCode.</td><td>UCCode</td></tr>
<tr><td>6</td><td>Each data entry form shall have a form code, that is FCode</td><td>FCode</td></tr>
<tr><td>7</td><td>Any user Form within the system shall be named after the UCCode followed by the capital letter 'F' stands for Form, followed by 2 digits number. E.g. --> Use-case Post An Item (PTIT) form Evaluate Item (EI) shall be named <b>PTITF20</b>.
Note: always starts with 10, so you have a room to add more entities before or even after, also increment each time by 10.</td><td>FCode</td></tr>
<tr><td>8</td><td>Each database table shall have a table code, that is TCode</td><td>TCode</td></tr>
<tr><td>9</td><td>Any Table within the database shall be named after the UCCode followed by the capital letter 'T' stands for Table, followed by 2 digits number. E.g. --> Use-case Post An Item (PTIT) table Available List (AL) shall be named <b>PTITT20</b>.
Note: always starts with 10, so you have a room to add more entities before or even after, also increment each time by 10.</td><td>TCode</td></tr>
<tr><td>10</td><td><b>FRM</b> is the grouping shortcut for user forms. E.g. --&gt; {<b>FRM</b>:PTITF10:CollegeN} but FCode PTIT<b>F</b>10 indicates a user form reference; therefore, FRM shortcut <b>shall not be</b> used in this position - field reference or definition, and {PTITF10:CollegeN} will be used instead. That is <b>{FCode:FieldName}</b></td><td>Shortcuts</td></tr>
<tr><td>11</td><td><b>SES</b> is the grouping shortcut for user Session Object on server side. E.g. --&gt; {<b>SES</b>:UserObject:uid}</td><td>Shortcuts</td></tr>
<tr><td>12</td><td><b>DBT</b> is the grouping shortcut for Database Tables. E.g. --&gt; {<b>DBT</b>:PTITT10:Stars} but TCode PTIT<b>T</b>10 indicates a database table reference; therefore, DBT shortcut <b>shall not be</b> used in this position - field reference or definition, and {PTITT10:CollegeN} will be used instead. That is <b>{TCode:FieldName}</b></td><td>Shortcuts</td></tr>
</table>

<table>
<tr><td>13</td><td>Specify a definition for a field that is originally defined somewhere else {Group:Entity:FieldName}
E.g. --> Customer Name {DBT:SGUPT10:Name} // means the Customer Name field in the given scenario actually following the format of the database table SGUPT10 - field Name.
<table>
<tr><th colspan="6">&lt;TableName> Data Dictionary</th></tr>
<tr><th>Field Name</th><th>Type</th><th>Length</th><th>Default Value</th><th>Format</th><th>Original Source</th></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table>
And this is what needs to be written at the Original Source column, in the data dictionary table, where Type, Length, Default Value, and format fields shall be left empty.</td><td>Data Dictionary</td></tr>
<tr><td>14</td><td>Specify the first time field definition for any field in data dictionary, requires the filling of Type, Length, Default Value, and format columns respectively and leaving the Original Source field empty.
<table>
<tr><th colspan="6">&lt;TableName> Data Dictionary</th></tr>
<tr><th>Field Name</th><th>Type</th><th>Length</th><th>Default Value</th><th>Format</th><th>Original Source</th></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table></td><td>Data Dictionary</td></tr>
<tr><td>15</td><td>Any DBT requires an incremental key field, the field name shall be "ID".</td><td>Data Dictionary</td></tr>
<tr><td>16</td><td>If the word "ID" is used as part of a field name e.g. --> "UserID", the word "ID" shall not be abbreviated or altered.</td><td>Data Dictionary</td></tr>
<tr><td>17</td><td>If the word "Name" is used as part of a field name e.g. --> "CollegeName", the word "Name" shall be abbreviated to letter 'N' e.g. --> "CollegeN".</td><td>Data Dictionary</td></tr>
<tr><td>18</td><td></td><td></td></tr>
</table>

English Phrasing:

Seq.	The meaning	The way to write it	Group
1	An actor starting the main use-case	The actor ABC starts the UCCode use-case via CU## Go-Code.	UC-Flow
2	The server load user form ABCDFnn	The system generate and sends ABCDFnn to Actor ABC.	UC-Flow
3	An actor filling and submitting form ABCDFnn	Actor ABC populate and submit ABCDFnn.	UC-Flow
4	The server receives data sent via use form ABCDnn	The system receives user data via user form ABCDnn.	UC-Flow
5	The server validates received data against a predefined criteria for form ABCDFnn	The system validate user data, base on Criteria so and so of ABCDFnn	UC-Flow
6	The server is collecting data via multiple user forms and validating received data at the same time. Waiting for the whole required data to be available at the server side to be able to execute the required operation on the server side.	The system buffers user data for PTITF(N) → N=(10,20,30) a. System generate an send PTITF(N) to CR. b. CR populate and submit form PTITF(N). c. Data received and validated on criteria PTITF(N). Note: user forms shall be mentioned in sequence.	UC-Flow
7	The server sends a feedback message to the user indicating an error or a successful transaction	The system sends a feedback error:so and so. The system sends a feedback successful operation.	UC-Flow
8	If a use-case is needed within the current use-case execution flow, and it should finish execution within the current flow	Call use-case UCCode (parameters list)	UC-Flow

9	If a use-case is needed within the current use-case execution flow, and it may or may not finish execution within the current flow	Trigger use-case UCCode (parameters list)	UC-Flow