|  |  |  |  |
| --- | --- | --- | --- |
| **Title of scenario:** Crashdatabase at Head Office | | **ID:** QA\_A1 | **Version:** 1.1 |
| **Last Changed:** 12/07/2012 |
| **Quality attribute:** Availability | | **Characterization ID:** QA2 | |
| **Describe stakeholder role proposing the description:** Cashier, manager, staff | | | |
| Source(s) of the stimulus |  | | |
| Stimulus | Database Server Crash | | |
| Relevant environmental conditions | Normal operation | | |
| Architectural elements | System | | |
| System response | The system use information in backup database | | |
| Response measure(s) | With no downtime | | |
| Use-case related | **All use-case** | | |
| Concern | Response time | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of scenario:** SaveBill | | **ID:** QA\_P1 | **Version:** 1.1 |
| **Last Changed:** 12/07/2012 |
| **Quality attribute:** Performance | | **Characterization ID:** QA1 | |
| **Describe stakeholder role proposing the description:** Cashier | | | |
| Source(s) of the stimulus | Cashier | | |
| Stimulus | Send a request save bill to the system | | |
| Relevant environmental conditions | Normal operation | | |
| Architectural elements | System | | |
| System response | Process the request and response to client save bill success | | |
| Response measure(s) | Response within 3 seconds | | |
| Use-case related | **UC\_SM03, UC\_PM03, UC\_RM03** | | |
| Concern | Response time | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of scenario:** Displays statistical reports | | **ID:** QA\_P2 | **Version:** 1.1 |
| **Last Changed:** 12/07/2012 |
| **Quality attribute:** Performance | | **Characterization ID:** QA2 | |
| **Describe stakeholder role proposing the description:** Manager | | | |
| Source(s) of the stimulus | Manager | | |
| Stimulus | Send a request to Statistics | | |
| Relevant environmental conditions | Normal operation | | |
| Architectural elements | System | | |
| System response | Display statistics information | | |
| Response measure(s) | Response within 5 seconds | | |
| Use-case related | **UC\_S01** | | |
| Concern | Response time | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of scenario:** Block unauthorized access | | **ID:** QA\_S1 | **Version:** 1.1 |
| **Last Changed:** 14/07/2012 |
| **Quality attribute:** Security | | **Characterization ID:** QA1 | |
| **Describe stakeholder role proposing the description:** Cashier, manager, staff | | | |
| Source(s) of the stimulus | unknown identity | | |
| Stimulus | Try to login to the system illegitimacy | | |
| Relevant environmental conditions | Normal operation | | |
| Architectural elements | System | | |
| System response | Block illegitimacy login | | |
| Response measure(s) | Show error message within 1 second | | |
| Use-case related | Login | | |
| Concern | Identification | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of scenario:** Authority | | **ID:** QA\_S2 | **Version:** 1.1 |
| **Last Changed:** 12/07/2012 |
| **Quality attribute:** Security | | **Characterization ID:** QA1 | |
| **Describe stakeholder role proposing the description:** Cashier, manager, staff | | | |
| Source(s) of the stimulus | Cashier, manager, staff | | |
| Stimulus | Login in to the system | | |
| Relevant environmental conditions | Normal operation | | |
| Architectural elements | System | | |
| System response | The system authorize for users by account type | | |
| Response measure(s) |  | | |
| Use-case related | Login | | |
| Concern | Authority | | |

## Quality Attribute Scenarios

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID & Title | Stakeholder priority | Difficulty ranking | Priority | Concern |
| QA\_A1 Crash database at Head Office | Low | Low | Low | Response time |
| QA\_P1 Save Bill | High | Normal | High | Response time |
| QA\_P2 Displays statistical reports | Normal | Normal | Normal | Response time |
| QA\_S1 Block unauthorized access | High | High | High | Identification |
| QA\_S2 Authority | High | High | High | Authority |