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| **Title of scenario:** The received student record officer update student record | | **ID:** QA\_P01 | **Version:** 1.1 |
| **Last Changed:** 07/07/2012 |
| **Quality attribute:** Performance | | **Characterization ID:** QA1 | |
| **Describe stakeholder role proposing the description:** The received student record officer | | | |
| Source(s) of the stimulus | End user | | |
| Stimulus | Update student record | | |
| Relevant environmental conditions | System operation normally | | |
| Architectural elements | System and the information in the system | | |
| System response | The system update student record information and response update success | | |
| Response measure(s) | Response within 3 seconds | | |
| Associated risks |  | | |

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| **Title of scenario: I**mport student record | | **ID:** QA\_P02 | **Version:** 1.1 |
| **Last Changed:** 07/07/2012 |
| **Quality attribute:** Performance | | **Characterization ID:** QA1 | |
| **Describe stakeholder role proposing the description:** Administrator , The faculty monitor , the training department officer | | | |
| Source(s) of the stimulus | End user | | |
| Stimulus | **I**mport student record | | |
| Relevant environmental conditions | System operation normally | | |
| Architectural elements | System and the information in the system | | |
| System response | The system import student record information and response import success | | |
| Response measure(s) | Response within 15 seconds | | |
| Associated risks |  | | |

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| **Title of scenario:** Print invoice | | **ID:** QA\_P03 | **Version:** 1.1 |
| **Last Changed:** 07/07/2012 |
| **Quality attribute:** Performance | | **Characterization ID:** QA1 | |
| **Describe stakeholder role proposing the description:** The received student record officer | | | |
| Source(s) of the stimulus | End user | | |
| Stimulus | Print invoice after update student record information | | |
| Relevant environmental conditions | System operation normally | | |
| Architectural elements | System and the information in the system | | |
| System response | The system connect to print machine and print invoice | | |
| Response measure(s) | Response within 5 seconds | | |
| Associated risks |  | | |

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| **Title of scenario:** Primary database has been crash | | **ID:** QA\_A01 | **Version:** 1.1 |
| **Last Changed:** 07/07/2012 |
| **Quality attribute:** Availability | | **Characterization ID:** QA2 | |
| **Describe stakeholder role proposing the description:** The received student record officer, Administrator , The faculty monitor , the training department officer | | | |
| Source(s) of the stimulus | Internal- external to the System | | |
| Stimulus | Primary database has been crash | | |
| Relevant environmental conditions | System operation normally | | |
| Architectural elements | System and the information in the system | | |
| System response | The system use information in the backup database to operation | | |
| Response measure(s) |  | | |
| Associated risks |  | | |

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| **Title of scenario:** Unauthorized access | | **ID:** QA\_S01 | **Version:** 1.1 |
| **Last Changed:** 07/07/2012 |
| **Quality attribute:** Security | | **Characterization ID:** QA3 | |
| **Describe stakeholder role proposing the description:** The received student record officer, Administrator , The faculty monitor , the training department officer | | | |
| Source(s) of the stimulus | Unauthorized | | |
| Stimulus | Try access the system | | |
| Relevant environmental conditions | System operation normally | | |
| Architectural elements | System and the information in the system | | |
| System response | The system stop unauthorized access and notification to admin | | |
| Response measure(s) | Prevent action and announce to system immediately | | |
| Associated risks |  | | |

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| **Title of scenario:** Authorized access | | **ID:** QA\_S02 | **Version:** 1.1 |
| **Last Changed:** 07/07/2012 |
| **Quality attribute:** Security | | **Characterization ID:** QA3 | |
| **Describe stakeholder role proposing the description:** The received student record officer, Administrator , The faculty monitor , the training department officer | | | |
| Source(s) of the stimulus | End user | | |
| Stimulus | Login in to the system | | |
| Relevant environmental conditions | System operation normally | | |
| Architectural elements | System and the information in the system | | |
| System response | The system authorization for users by account type | | |
| Response measure(s) |  | | |
| Associated risks |  | | |

The received student record officer, wanting to print invoice quickly, wishes to use the system efficiently

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| **Title of scenario:** Use the system efficiently | | **ID:** QA\_U01 | **Version:** 1.1 |
| **Last Changed:** 07/07/2012 |
| **Quality attribute:** Usability | | **Characterization ID:** QA3 | |
| **Describe stakeholder role proposing the description:** The received student record officer, Administrator , The faculty monitor , the training department officer | | | |
| Source(s) of the stimulus | End user | | |
| Stimulus | Wish to use the system function easily and quickly | | |
| Relevant environmental conditions | System operation normally | | |
| Architectural elements | System and the information in the system | | |
| System response | The system design friendly and easy to use | | |
| Response measure(s) | Time to operation task | | |
| Associated risks |  | | |