**Test Case Document**

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| **Test Case #:** 1.0  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** SignUp Procedure allows students registered for workshops by providing their bio data and login information | **Test Case Name:** SignUp  **Subsystem:** Main Page  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  A database must hold the input values.  SignUp procedure allows server side validation and successful entry of inputs after clicking submit button. | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3  4  5 | Insert Empty Details | Validation Occurs | Fail |  | | Insert valid details | Input text for Password must be \* steric | Pass | Input Text type for Password is Corrected | | Insert String values for numeric values | Validation Occurs | Fail |  | | Insert Password with minimum length | Validation Occurs | Fail |  | | Insert Valid Values | Successfully submitted details | Fail |  | | | |
| **Post Conditions :**  Input elements successfully stored in database. | | |

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| **Test Case #:** 1.1  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Login Allows Instructor, Admin,students to login from main page | **Test Case Name:** Login  **Subsystem:** Main Page  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  A database must verify the input values.  On successful verification user navigated to dashboard Panel | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3 | Insert Empty Details | Authentication Failed | Fail |  | | Insert valid details | Redirected to dashboard | fail |  | | Insert Invalid Details | Authentication Failed | Fail |  | | | |
| **Post Conditions :**  User hold in their respective state until session timeout. | | |

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| **Test Case #:** 2.0  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** SignUp Procedure allows admin to registered for instructors. | **Test Case Name:** Instructor SignUp  **Subsystem:** Administrator  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  A database must hold the input values.  SignUp procedure allows server side validation and successful entry of inputs after clicking submit button. | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3  4  5  6 | Insert Empty Details | Validation Occurs | Fail |  | | Insert valid details | Input text for Password must be \* steric | Pass | Input Text type for Password is Corrected | | Insert String values for numeric values | Validation Occurs | Fail |  | | Insert Password with minimum length | Validation Occurs | Fail |  | | Insert Valid Values | Successfully submitted details | Fail |  | | Insert Invalid Cell phone and telephone number length and values | Validation Occurs | Pass | Exception occurs, corrected by assigning valid length and data type | | | |
| **Post Conditions :**  Input elements successfully stored in database. | | |

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| **Test Case #:** 2.1  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Admin can view accounts of instructors and able to delete selected accounts | **Test Case Name:** View Instructors Details  **Subsystem:** Administrator  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Database must have details of instructors. | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2 | Open view instructor tab | Display Instructors if they are registered | Pass | They is no option indicating, no instructors are registered | | Delete Instructors by enable checkbox beside names and details | Instructors Deleted | fail |  | | | |
| **Post Conditions :**  List of instructors must be shown that remains after deleting specified instructors. | | |

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| **Test Case #:** 2.2  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Course is Added by specifying its name and assigning an instructor | **Test Case Name:** Add Course  **Subsystem:** Administrator  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Instructor must be already register in order to assign them respective courses | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1 | Write course name and assign course from selected instructor from dropdown menu | Successfully assigned with course | fail |  | | | |
| **Post Conditions :**  Instructors must be shown with assigned course when navigating to view instructors details | |

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| **Test Case #:** 2.3  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Table represent total count of students registered for respective course | **Test Case Name:** View Student Enrollment  **Subsystem:** Administrator  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Instructors must be assigned with courses | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1 | View Enrolled Students | Number of Enrolled Student student with specific courses | fail |  | | | |
| **Post Conditions :**  No Condtions | |

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| **Test Case #:** 2.4  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Table come up with list of all students | **Test Case Name:** View Students  **Subsystem:** Administrator  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Students must be sign up | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2 | Click on View Students | List of Students | fail |  | | Search student | Student Record related to search query | fail |  | | | |
| **Post Conditions :**  No Condtions | |

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| **Test Case #:** 2.4  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** table Shows average feedback in all aspects | **Test Case Name:** Student’s Feedback  **Subsystem:** Administrator  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Students need to submit feedback | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1 | Click on Student’s Feedback | Tables shows average feedback graded by remarks | fail |  | | | |
| **Post Conditions :**  Reveals feedback anonymously | | |

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| **Test Case #:** 2.5  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Messaging System to communicate with instructors and student | **Test Case Name:** Message  **Subsystem:** Administrator  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Database holds incoming and outgoing message | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3  4  5 | Click on Messages | Tables show list of message, if there is no message then it show no message | fail |  | | Click on Compose | A form displayed with reciever,subject and message fields | fail |  | | Input Blank fields | Validation Occurs | Pass | No Validation was implemented first | | Input valid values in compose | Successfully sent the message | Fail |  | | Delete items from inbox | Successfully deleted the items | fail |  | | | |
| **Post Conditions :**  The Message is reached to sender if composed  The Message is deleted Successfully if delete from inbox | | |

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| **Test Case #:** 2.6  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** View Administrator’s profile and provide facility to edit details | **Test Case Name:** Profile  **Subsystem:** Administrator  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  User must be registered in database | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3 | Click on Profile | Display User’s Current Profile , textboxes are not in editable mode | fail |  | | Click on edit button | Textboxes are not in editable mode | fail |  | | Input matched passwords and valid fields | Successfully updated profile | fail |  | | | |
| **Post Conditions :**  Shows user’s data and data is updated on database | | |

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| **Test Case #:** 3.0  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** A table shows student’s record and beside a textbox field to insert marks of students | **Test Case Name:** Upload Marks  **Subsystem:** Instructor  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Students must register first | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3 | Click on Upload marks | List of students | fail |  | | Insert marks greater than 100 | Validation Error | fair |  | | Insert blank fields | Validation Error | Pass | Problem arise due to ambiguity | | | |
| **Post Conditions :**  Upload Marks of students successfully | | |

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| **Test Case #:** 3.1  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Instructors can upload demo lectures | **Test Case Name:** Upload Lectures  **Subsystem:** Instructor  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Database and sufficient storage | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3  4 | Click on Upload Lectures | Display previously uploaded lectures and come up with form to upload lecture | fail |  | | Input valid details | Video Uploaded | fail |  | | Input not supported format | Validation error | fail |  | | Input blank fields | Validation error | fail |  | | | |
| **Post Conditions :**  Video successfully uploaded and user able to watch uploaded video | | |

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| **Test Case #:** 3.2  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Table come up with list of all students | **Test Case Name:** View Students  **Subsystem:** Instructors  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Students must be sign up | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2 | Click on View Students | List of Students | fail |  | | Search student | Student Record related to search query | fail |  | | | |
| **Post Conditions :**  No Condtions | |

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| **Test Case #:** 3.3  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Messaging System to communicate with instructors and student | **Test Case Name:** Message  **Subsystem:** Instructor  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Database holds incoming and outgoing message | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3  4  5 | Click on Messages | Tables show list of message, if there is no message then it show no message | fail |  | | Click on Compose | A form displayed with reciever,subject and message fields | fail |  | | Input Blank fields | Validation Occurs | fail |  | | Input valid values in compose | Successfully sent the message | Fail |  | | Delete items from inbox | Successfully deleted the items | fail |  | | | |
| **Post Conditions :**  The Message is reached to sender if composed  The Message is deleted Successfully if delete from inbox | | |

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| **Test Case #:** 3.4  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** View Instructor’s profile and provide facility to edit details | **Test Case Name:** Profile  **Subsystem:** Instructor  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  User must be registered in database | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3 | Click on Profile | Display User’s Current Profile , textboxes are not in editable mode | fail |  | | Click on edit button | Textboxes are not in editable mode | fail |  | | Input matched passwords and valid fields | Successfully updated profile | fail |  | | | |
| **Post Conditions :**  Shows user’s data and data is updated on database | | |

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| **Test Case #:** 4.0  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Student can register multiple offered courses | **Test Case Name:** Course Registration  **Subsystem:** Student  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  A Database that holds registration details | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3 | Click Course registration | List of Offered course | fail |  | | Checking multiple/Single option | Multiple or single option selected | fail |  | | Click Registration | Successfully Registered Course | fail |  | | | |
| **Post Conditions :**  Students are enrolled in course and are able to get aware of uploaded course marks. | | |

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| **Test Case #:** 4.1  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Student can view their registered courses and able to de-register them. | **Test Case Name:** Registered Course  **Subsystem:** Student  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Student must register course before view registered courses. | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2 | Click on Registered courses | List of Registered Courses | fail |  | | Click on De-Register Course | Course will be de-registered successfully | fail |  | | | |
| **Post Conditions :**  Student is able to register again after de-registering the course | | |

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| **Test Case #:** 4.2  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Student will send feedback to administrator anonymously. | **Test Case Name:** Send Feedback  **Subsystem:** Student  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Student must sign up for workshop. A Database to store feedback. | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3 | Click on Send Feedback | Feedback form will be shown | fail |  | | Enable multiple check boxes In same row | Unable to perform this action | fail |  | | Check one box in each row | Successfully send feedback | fail |  | | | |
| **Post Conditions :**  Student can only send one feedback | | |

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| **Test Case #:** 4.3  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** students can watch uploaded lectures by all instructors. | **Test Case Name:** Watch Lectures  **Subsystem:** Student  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Lectures must be uploaded by instructors | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2 | Click on Watch lectures | A list of uploaded lectures | fail |  | | Click on linkbutton beside each lecture | Video Frame will popup | fail |  | | | |
| **Post Conditions :**  All Students are accessible of lectures whether they are uploaded or not | | |

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| **Test Case #:** 3.3  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** Messaging System to communicate with instructor and Administrator | **Test Case Name:** Message  **Subsystem:** Student  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  Database holds incoming and outgoing message | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3  4 | Click on Messages | Tables show list of message, if there is no message then it show no message | fail |  | | Click on Compose | A form displayed with reciever,subject and message fields | fail |  | | Input Blank fields | Validation Occurs | fail |  | | Input valid values in compose | Successfully sent the message | Fail |  | | Delete items from inbox | Successfully deleted the items | fail |  | | | |
| **Post Conditions :**  The Message is reached to sender if composed  The Message is deleted Successfully if delete from inbox | | |

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| **Test Case #:** 3.4  **System:** StudentManagementSystem  **Designed By:** Amirul  **Executed By:** Amirul  **Short Description:** View Student’s profile and provide facility to edit details | **Test Case Name:** Profile  **Subsystem:** Students  **Design Date: 13/11/2015**  **Execution Date: 20/11/2015** | |
| **Pre-Conditions:**  User must be registered in database | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comments** | | 1  2  3 | Click on Profile | Display User’s Current Profile , textboxes are not in editable mode | fail |  | | Click on edit button | Textboxes are not in editable mode | fail |  | | Input matched passwords and valid fields | Successfully updated profile | fail |  | | | |
| **Post Conditions :**  Shows user’s data and data is updated on database | | |