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| Home | AIUB  **American International University - Bangladesh**  **Course: Software Quality and Testing**  **Section: E**  **Mid Assignment** |

## Writing and Executing Test Cases for AIUB System

**Submitted to:**

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**Problem statement**: Suppose your IT firm **Datasoft, Inc**. has been awarded the contract to test the AIUB system. For that you need to develop a Test Plan first. Assume that you have already developed the Test Plan. Now you have to write the test cases based on the requirements and functionalities of the system. Then you have to execute those test cases and identify bugs (defects), if any.

**Answer:**

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| **Test Case** | **Action** | **Requirement** | **Expected**  **Results** | **Actual**  **Results** | **Status** | **Comments** |
| TC\_101 | Enter into the website-http://www.aiub.edu | 710.0 | The website contains the major items –Home, About, Academics, Administration, Faculties, Offices, Admission, Contact, Webmail, Login. | The website contains the major items –Home, About, Academics, Administration, Faculties, Offices, Admission, Contact, Webmail, Login. | Passed | The item passed. |
| TC\_102 | Put over the mouse pointer over ‘About’ | 711.1 | A drop-down list opens with the items –Information, General Information, Why Study here, Resources, Career, Convocation and Video. | A drop-down list opens with the items –Information, General Information, Why Study here, Resources, Career, Convocation and Video. | Passed | The item passed. |
| TC\_103 | Click on the link ‘Information’ | 711.1.1 | It brings a page containing Vision, Mission, Quality Policy and Goals. | It brings a page containing Vision, Mission, Quality Policy and Goals. | Passed | The item passed. |
| TC\_104 | Click on ‘General Information’ | 711.1.2 | It brings to a new page containing information regarding –Degrees Offered at Present, up-coming academic programs, name and picture of Academic Council, and name of Board of Trustees’ Nominee. | It brings to a new page containing information regarding –Degrees Offered at Present, name and picture of Academic Council, and name of Board of Trustees’ Nominee. | Failed | The test case failed as it doesn’t contain any information about up-coming academic programs. |
| TC\_105 | Click on ‘Why Study Here’ | 711.1.3 | It brings to a page titled ‘Why study at AIUB?’ | It brings to a page titled ‘Why study here?’ | Failed | The test case failed as the title is different. |
| TC\_106 | When clicked on ‘Resources’ | 711.1.4 | The system displays a page containing information about Library Facilities, AIUB ICT facilities, Laboratory facilities, Auditorium, Student Health Services, Hostel Facilities, Student Transportation Facilities, Security Services. | The system displays a page containing information about Library Facilities,  Laboratory facilities, Auditorium, Student Health Services, Security Services. | Failed | The test case failed as the page doesn’t contains information about Hostel Facilities, Student Transportation Facilities, AIUB ICT facilities. |
| TC\_107 | When clicked on ‘Career’ | 711.1.5 | The system opens a page titled Career Opportunities for ‘`Fresh Graduates’ | The system opens a page titled Career for recruiting someone for ‘AIUB’ | Failed | The test case failed as the title is Career and not only for fresh graduates. |
| TC\_108 | Click on ‘Convocation’ | 711.1.6 | It brings to a page titled ‘CONVOCATION’ with a list from 1st Convocation to 15th Convocation. The page also displays a graph showing the number of graduates of every convocation. | It brings to a page titled ‘CONVOCATION’ with a list from 1st Convocation to 19th Convocation. The page also displays a graph showing the number of graduates of every convocation. | Passed | The item passed. |
| TC\_109 | Click on ‘1st Convocation’ | 711.1.6.1 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of the first convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 1st convocation. |
| TC\_110 | Click on ‘2nd Convocation’ | 711.1.6.2 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 2nd convocation. |
| TC\_111 | Click on ‘3rd Convocation’ | 711.1.6.3 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 3rd convocation. |
| TC\_112 | Click on ‘4th Convocation’ | 711.1.6.4 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 4th convocation. |
| TC\_113 | Click on ‘5th Convocation’ | 711.1.6.5 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 5th convocation. |
| TC\_114 | Click on ‘6th Convocation’ | 711.1.6.6 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 6th convocation. |
| TC\_115 | Click on ‘7th Convocation’ | 711.1.6.7 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 7th convocation. |
| TC\_116 | Click on ‘8th Convocation’ | 711.1.6.8 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 8th convocation. |
| TC\_117 | Click on ‘9th Convocation’ | 711.1.6.9 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 9th convocation. |
| TC\_118 | Click on ‘10th Convocation’ | 711.1.6.10 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 10th convocation. |
| TC\_119 | Click on ‘11th Convocation’ | 711.1.6.11 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 11th convocation. |
| TC\_120 | Click on ‘12th Convocation’ | 711.1.6.12 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 12th convocation. |
| TC\_121 | Click on ‘13th Convocation’ | 711.1.6.13 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 13th convocation. |
| TC\_122 | Click on ‘14th Convocation’ | 711.1.6.14 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 14th convocation. |
| TC\_123 | Click on ‘15th Convocation’ | 711.1.6.15 | It brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | It shows a list which contains information about the venue, date, number of students graduated. | Failed | The test case failed as the page doesn’t contain any pictures of the 15th convocation. |
| TC\_124 | The mouse pointer is put over ‘About’ and on click on ‘Video’ | 711.1.7 | A drop-down list appears of which ‘Video’ is the last item. And after click the system displays four video clips to view. | The system displays four video clips to view. | Passed | The item passed. |
| TC\_125 | Putting the mouse pointer over ‘Academics’ | 712.0 | In the homepage displays a drop-down list with the items –Academic Regulations, Admission & Registration, Courses & Tuition Fees, Academic Calendar. | In the homepage displays a drop-down list with the items –Academic Regulations, Courses & Tuition Fees, Academic Calendar. | Failed | The test case failed as the list has no item named Admission and registration. |
| TC\_126 | Click on ‘Academic Regulations’ | 712.1 | It brings to a page titled ‘Academic Regulations’ which includes items – Semester System, Teaching Method, Grading System, Computation of CGPA, Sequence of Subjects, Academic Load, Class Attendance, Academic Probation, Warning, Time Limit, Repeating Courses, Transfer of Credits, Discontinuance of Studies, Graduation Requirements, Examination Guidelines, Appeal of a Course Grade, Student Conduct and Disciplinary Actions, Code of Conduct, Offences, Student Organizations and Activities, Political Activities, Sanction, Graduation, Academic Scholarship/Discount Policy. | It brings to a page titled ‘Academic Regulations’ which includes items – Attendance, Academic Probation, Semester System, Teaching Method, Grading System, Computation of CGPA, Sequence of Subjects, Academic Load, Class attendance, Transfer of Credits, Discontinuance of Studies, Graduation Requirements, Examination Guidelines, Appeal of a Course Grade, Code of Conduct, Academic Scholarship/Discount Policy. | Failed | The test case failed as the page doesn’t contains Warning, Time Limit, Repeating Courses, Student Conduct and Disciplinary Actions, Offences, Student Organizations and Activities, Political Activities, Sanction, Graduation. |
| TC\_127 | Under ‘Academics’ drop-down list, clicking on ‘Courses and Tuition Fees’ | 712.1.1 | It displays a page that contains information about different courses and tuition fees. | It displays a page that contains information about tuition fees. | Failed | The test case failed as the page is not showing courses. |
| TC\_128 | Under ‘Academics’ drop-down list, click on the ‘Academic Calendar’ | 712.1.2 | The system displays the academic calendar for all three semesters. | The system displays the academic calendar for current semester only. | Failed | The system failed as the system displays calendar of only one semester. |
| TC\_129 | Put the mouse pointer is over ‘Administration’ | 713.0 | A drop-down list with the following items is  displayed –The Vice Chancellor, The Pro-Vice Chancellor, The Chairman, The Founders. | A drop-down list with the following items is  displayed –The Vice Chancellor, The Chairman, The Founders. | Failed | The system failed as the Pro-Vice Chancellor dropdown option is not available. |
| TC\_130 | Put the mouse pointer is over ‘Offices’ | 714.0 | A drop-down list with the following items is displayed – Office of Planning & Development (OPD), Office of Cultural Affairs (OCA), Office of Sports (OS), Office of Probation (OP), Office of Placement & Alumni (OPA), Office of Students Affairs (OSA), Office of Public Relations (OPR), Office of Health Services (OHS), Office of Finance and Audit (OFA). | A drop-down list with the following items is displayed – Office of Planning & Development (OPD), Office of Cultural Affairs (OCA), Office of Sports (OS), Office of Probation (OP), Office of Placement & Alumni (OPA), Office of Students Affairs (OSA), Office of Public Relations (OPR), Office of Finance and Audit (OFA). | Failed | The test case failed as the drop down don’t have Office of Health Services (OHS) option. |