**Writing and executing test cases for AIUB system**

**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. However, due to time constraint (in our case), you have to write and execute only few test cases.

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| **Test Case #** | **Action** | **Requirement #** | **Expected**  **Results** | **Actual**  **Results** | **Status** | **Comments** |
| TC\_1 | Going to http://www.aiub.edu | 710.0 | The website http://www.aiub.edu should contain the major items – ABOUT, ACADEMICS, ADMISSION, ON CAMPUS, ADMINISTRATION, RESEARCH, Faculties, Login, Webmail, Contact Us. | The website http://www.aiub.edu should contain the major items – ABOUT, ACADEMICS, ADMISSION, ON CAMPUS, ADMINISTRATION, RESEARCH, Alumni, Visitors, Future Students, Convocation, Login, Webmail, Contact Us, Apply. | Failed | The test case failed. |
| TC\_2 | Putting the mouse pointer over‘About’ | 711.1 | When the mouse pointer is put over ‘ABOUT’, a drop-down list opens with the items –Information, General Information, Rules of Campus Entry, Why Study Here, Resources, Career, Convocation, video. | When the mouse pointer is put over ‘ABOUT’, a drop-down list opens with the items –Information, General Information, Rules of Campus Entry, Why Study Here, Resources, Career, Convocation, video. | Passed | This item passed. |
| TC\_3 | Clicking on the link ‘Information’ | 711.1.1 | Clicking on the link ‘Information’ brings a page containing Vision, Mission, Quality Policy, Goals. | Clicking on the link ‘Information’ brings a page containing Vision, Mission, Quality Policy, Goals, Linkages and Networking, Institutional member, Member, Score Recipient: CODE 7067. | Failed | The test case failed. |
| TC\_4 | Clicking on ‘General Information’ | 711.1.2 | Clicking on ‘General Information’ brings to a new page containing information regarding –Degrees Offered at Present, Chairperson and members of Academic Council, and names and pictures of Board of Trustees’ Nominee. | Clicking on ‘General Information’ brings to a new page containing information regarding –Degrees Offered at Present, Degree conferred Convocation Graph, Chairperson and members of Academic Council, and Syndicate Members. | Failed | The test case failed. |
| TC\_5 | Clicking on ‘Why Study Here’ | 711.1.3 | Clicking on ‘Why Study Here’ brings to a page titled ‘Why study at AIUB?’ | Clicking on ‘Why Study Here’ brings to a page titled ‘Why Study Here?’ | Failed | The test case failed. |
| TC\_6 | Clicking on ‘Resources’ | 711.1.4 | When clicked on ‘Resources’, 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. | When clicked on ‘Resources’, the system displays a page containing information about Library, Technology, Laboratory facilities, Auditorium, Student Services Offices, Co-curricular Activities, On-Campus Security, Facilities, Recreation. | Failed | The test case failed. |
| TC\_7 | Clicked on ‘Career’ | 711.1.5 | The system opens a page titled Career Opportunities for ‘`Fresh Graduates’ | The system opens a page titled Career and shows faculty search. | Failed | The test case failed. |
| TC\_8 | Clicking on ‘Convocation’ | 711.1.6 | Brings to a page titled ‘CONVOCATION’ with a list from 1st Convocation to 20th Convocation. The page also displays a graph showing total number of graduates of each convocation | Brings to a page titled ‘CONVOCATION’ with a list from 1st Convocation to 20th Convocation. The page also displays 2 graph, one showing total number of graduates of each convocation and another one showing number of male and female graduated student of each convocation. | Failed | The test case failed. |
| TC\_9 | Clicking on 1st ‘Convocation’ | 711.1.6.1 | Brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Brings to a page that contains information about the Date, Venue, Speaker, Chief Guest, Special Guest, Number of Graduates (Undergraduate Program, Graduate Program, Total, Total Number Graduates), Awards(Chancellor Award, Vice Chancellor Award, Dr. Anwarul Abedin Leadership Awards ), Academic Award(Summa Cum Laude, Magna Cum Laude, Cum Laude  ) | Failed | The test case failed. |
| TC\_10 | Clicking on 2nd ‘Convocation’ | 711.1.6.2 | Brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Brings to a page that contains information about the Date, Venue, Speaker, Chief Guest, Special Guest, Number of Graduates (Undergraduate Program, Graduate Program, Total, Total Number Graduates), Awards(Chancellor Award, Vice Chancellor Award, Dr. Anwarul Abedin Leadership Awards ), Academic Award(Summa Cum Laude,  Magna Cum Laude, Cum Laude  ) | Failed | The test case failed. |
| TC\_11 | Clicking on 3rd ‘Convocation’ | 711.1.6.3 | Brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Brings to a page that contains information about the Date, Venue, Speaker, Chief Guest, Special Guest, Number of Graduates (Undergraduate Program, Graduate Program, Total, Total Number Graduates), Awards(Chancellor Award, Vice Chancellor Award, Dr. Anwarul Abedin Leadership Awards ), Academic Award(Summa Cum Laude,  Magna Cum Laude, Cum Laude  ) | Failed | The test case failed. |
| TC\_12 | Clicking on 4th ‘Convocation’ | 711.1.6.4 | Brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Brings to a page that contains information about the Date, Venue, Speaker, Chief Guest, Special Guest, Number of Graduates (Undergraduate Program, Graduate Program, Total, Total Number Graduates), Awards(Chancellor Award, Vice Chancellor Award, Dr. Anwarul Abedin Leadership Awards ), Academic Award(Summa Cum Laude,  Magna Cum Laude, Cum Laude  ) | Failed | The test case failed. |
| TC\_13 | Clicking on ‘5th Convocation’ | 711.1.6.5 | Clicking on 5th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Clicking on 5th Convocation brings to a page that contains information about the venue, date, number of students graduated, speaker, chief guest, special guest, awards and academic award. | Failed | The test case failed. |
| TC\_14 | Clicking on ‘6th Convocation’ | 711.1.6.6 | Clicking on 6th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Clicking on 6th Convocation brings to a page that contains information about the venue, date, number of students graduated, speaker, chief guest, special guest, awards and academic award. | Failed | The test case failed. |
| TC\_15 | Clicking on ‘7th Convocation’ | 711.1.6.7 | Clicking on 7th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Clicking on 7th Convocation brings to a page that contains information about the venue, date, number of students graduated, speaker, chief guest, special guest, awards and academic award. | Failed | The test case failed. |
| TC\_16 | Clicking on ‘8th Convocation’ | 711.1.6.8 | Clicking on 8th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Clicking on 8th Convocation brings to a page that contains information about the venue, date, number of students graduated, speaker, chief guest, special guest, awards and academic award. | Failed | The test case failed. |
| TC\_17 | Clicking on ‘9th Convocation’ | 711.1.6.9 | Clicking on 9th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Clicking on 9th Convocation brings to a page that contains information about the venue, date, number of students graduated, speaker, chief guest, special guest, awards and academic award. | Failed | The test case failed. |
| TC\_18 | Clicking on ‘10th Convocation’ | 711.1.6.10 | Clicking on 10th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation | Clicking on 10th Convocation brings to a page that contains information about the venue, date, number of students graduated, speaker, chief guest, special guest, awards and academic award. | Failed | The test case failed. |
| TC\_19 | ‘Clicking on 11th convocation.’ | 711.1.6.11 | Clicking on 11th convocation brings to a page that contains information about the venue, date, number of students graduated. | Clicking on 11th convocation brings to a page that contains information about the venue, date, speaker, chief guest, special guest, number of students graduated, awards and academic award. | Failed | The test case failed. |
| TC\_20 | ‘Clicking on 12th convocation.’ | 711.1.6.12 | Clicking on 12th convocation brings to a page that contains information about the venue, date, number of students graduated. | Clicking on 12th convocation brings to a page that contains information about the venue, date, speaker, chief guest, special guest, number of students graduated, awards and academic award. | Failed | The test case failed. |
| TC\_21 | ‘Clicking on 13th convocation.’ | 711.1.6.13 | Clicking on 13th convocation brings to a page that contains information about the venue, date, number of students graduated. | Clicking on 13th convocation brings to a page that contains information about the venue, date, speaker, chief guest, special guest, number of students graduated, awards and academic award. | Failed | The test case failed. |
| TC\_22 | ‘Clicking on 14th convocation.’ | 711.1.6.14 | Clicking on 14th convocation brings to a page that contains information about the venue, date, number of students graduated. | Clicking on 14th convocation brings to a page that contains information about the venue, date, speaker, chief guest, special guest, number of students graduated, awards and academic award. | Failed | The test case failed. |
| TC\_23 | ‘Clicking on 15th convocation.’ | 711.1.6.15 | Clicking on 15th convocation brings to a page that contains information about the venue, date, number of students graduated. | Clicking on 15th convocation brings to a page that contains information about the venue, date, speaker, chief guest, special guest, number of students graduated, awards and academic award. | Failed | The test case failed. |
| TC\_24 | Putting the mouse pointer over ‘About’. | 711.1.7 | If the mouse pointer is put over ‘About’ a drop-down list appears of which ‘Video’ is the last item. On clicking ‘Video’, the system displays fifty-nine video clips to view. | If the mouse pointer is put over ‘About’ a drop-down list appears of which ‘Video’ is the last item. On clicking ‘Video’, the system displays fifty-seven video clips to view. | Failed | The test case failed. |
| TC\_25 | Putting the mouse pointer over “Academics” | 712.0 | In the homepage displays a page with the items Faculties, Partnerships, Institutes. | In the homepage displays a page with the items Faculties, Partnerships, Institutes. | Passed | The item passed. |
| TC\_26 | Under ‘Academics’ | 712.1.1 | There is one item named Information under which there are following items –  Academic Calendar, Academic Regulations, Course Catalog, Courses, Tuition Fee | There is one item named Information under which there are following items –  Academic Calendar, Academic Regulations, Course Catalog, Tuition Fee, Faculty list. | Failed | The test case failed. |
| TC\_27 | Under ‘Academics’ | 712.1.2 | When click on the ‘Academic Calendar’, the system displays the  academic calendar for three semesters | When click on the ‘Academic Calendar’, the system displays the  academic calendar for 14 weeks | Failed | The test case failed. |
| TC\_28 | When the mouse pointer is put 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, Institutional Policy, Offices | a drop-down list with the following items is displayed –The Vice Chancellor, The Chairman, The Founders, Institutional Policy, Offices | Failed |  |
| TC\_29 | Under ADMINISTRATION, when the mouse pointer is put over ‘Offices’ | 714.0 | a drop-down list with the following items are displayed – Office of Controller of Examinations, Office of Cultural Affairs, Office of Finance and Audit, Office of Guidance Counselor, Office of Human Resources, Office of Placement and Alumni, Office of Planning and Development, Office of International Students, Office of Probation, Office of Public Relations, Office of Sports, Office of Student Affairs | a drop-down list with the following items are displayed – Office of Controller of Examinations, Office of Cultural Affairs, Office of Finance and Audit, Office of Guidance Counselor, Office of Human Resources, Office of Placement and Alumni, Office of Planning and Development, Office of Probation, Office of Public Relations, office of registrar Office of Sports, Office of Student Affairs | Failed | The test case failed. |