## 

**American International University- Bangladesh (AIUB)**

**Department of Computer Science**

**Software Quality and Testing**

**Section: C**

**Fall 2021-2022**

# WRITING AND EXECUTING TEST CASES FOR AIUB SYSTEM

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| **Name** | **ID** | **Test Case** |
| Anika Tahsin Rithin | 17-34805-2 | TC\_01-TC\_08 |
| Faiaz Ben Reza | 18-36655-1 | TC\_09-TC\_15 |
| Nadim Hossain | 18-36703-1 | TC\_16-TC\_23 |
| Mahfuzul Alam | 18-36746-1 | TC\_24-TC\_30 |

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| **Test Case** | **Action** | **Requirement** | **Expected Result** | **Actual Result** | **Status** | **Comments** |
| **TC\_01** | Visit the website <http://www.aiub.edu> and search for major items. | **410.0** | The website http://www.aiub.edu containing the major items –Home, About, Academics, Administration, Faculties, Offices, Admission, Contact, Webmail, Login. | The website http://www.aiub.edu contains the major items –Home, About, Academics, Administration, Faculties, Offices, Admission, Contact, Webmail, Login. | Passed | The item passed |
| **TC\_02** | Put the mouse pointer over ‘About.’ | **411.1** | A drop-down list will be open with the items –Information, General Information, Why Study here, Resources, Career, Convocation, Video | A drop-down list opens with the items –Information, General Information, Why Study here, Resources, Career, Convocation, Video. | Passed | The item passed |
| **TC\_03** | Click on the link ‘Information’ | **411.1.1** | A new page containing Vision, Mission, Quality Policy, Goals will be open. | A page containing Vision, Mission, Quality Policy, Goals opens. | Passed | The item passed |
| **TC\_04** | Click on the link ‘General Information’ | **411.1.2** | 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 will be open. | A new page containing information regarding –Degrees Offered at Present, Name Academic Council, and name of Board of Trustees’ Nominee opens. | Failed | The test case failed. Does not show up-coming academic programs, picture of Academic Council. |
| **TC\_05** | Click on the link ‘Why Study Here’ | **411.1.3** | A page titled ‘Why study at AIUB?’  will be open. | A page titled ‘Why Study Here?’ opens. | Failed | The test case failed. Page title does not match. |
| **TC\_06** | Click on the link ‘Resources’ | **411.1.4** | A page containing information about Library Facilities, AIUB ICT facilities, Laboratory facilities, Auditorium, Student Health Services, Hostel Facilities, Student Transportation Facilities, Security Services will be open. | A page containing information about Library Facilities, AIUB ICT facilities, Laboratory facilities, Auditorium, Student Health Services, Security Services opens. | Failed | The test case failed. Does not display information about Hostel Facilities, Transportation Facilities. |
| **TC\_07** | Click on the link ‘Career’ | **411.1.5** | A page titled Career Opportunities for ‘Fresh Graduates’ will be open. | The system opens a page titled ‘Career.’ | Failed | The test case failed. Page title does not match. |
| **TC\_08** | Click on the link ‘Convocation’ | **411.1.6** | A page titled ‘CONVOCATION’ with a list from 1st Convocation to 15th Convocation will be displayed. The page will also display a graph showing the number of graduates of every convocation. | A page titled ‘Convocation’ with a list from 1st Convocation to 15th Convocation opens. The page also displays a graph showing the number of graduates of every convocation. | Failed | The test case failed. Page title does not match. |
| **TC\_09** | Click on ‘1st Convocation’ | **411.1.6.1** | A page that contains information about the venue, date,  number of students graduated, and pictures of the first convocation. | A page that contains information about the venue, date,  number of students graduated. | Failed | The test case failed. |
| **TC\_10** | Click on ‘2nd Convocation’ | **411.1.6.2** | A page that contains information about the venue, date,  number of students graduated, and pictures of that convocation. | A page that contains information about the venue, date,  number of students graduated, speaker, chief guest, special guest. | Failed | The test case failed. |
| **TC\_11** | Click on ‘3rd Convocation’ | **411.1.6.3** | A page that contains information about the venue, date,  number of students graduated, and pictures of that convocation. | A page that contains information about the venue, date,  number of students graduated, speaker, chief guest, special guest. | Failed | The test case failed. It does not exhibit convocation's pictures. |
| **TC\_12** | Click on ‘4th Convocation’ | **411.1.6.4** | A page that contains information about the venue, date,  number of students graduated, and pictures of that convocation. | A page that contains information about the venue, date,  number of students graduated, speaker, chief guest, special guest.  . | Failed | The test case failed. It does not exhibit convocation’s pictures. |
| **TC\_13** | Click on ‘5th Convocation’ | **411.1.6.5** | A page that contains information about the venue, date,  number of students graduated, and pictures of that convocation. | A page that contains information about the venue, date,  number of students graduated, speaker, chief guest, special guest. | Failed | The test case failed. It does not exhibit convocation’s pictures. |
| **TC\_14** | Click on ‘6th Convocation’ | **411.1.6.6** | A page that contains information about the venue, date,  number of students graduated, and pictures of that convocation. | A page that contains information about the venue, date,  number of students graduated, speaker, chief guest, special guest. | Failed | The test case failed. It does not exhibit convocation’s pictures. |
| **TC\_15** | Click on ‘7th Convocation’ | **411.1.6.7** | A page that contains information about the venue, date,  number of students graduated, and pictures of that convocation. | A page that contains information about the venue, date,  number of students graduated, speaker, chief guest, special guest. | Failed | The test case failed. It does not exhibit convocation’s pictures. |
| **TC\_16** | Click on the 8th Convocation link | **411.1.6.8** | Information about the 8th Convocation brings to a page  that contains  information about the venue, date, number of students graduated, and pictures of that convocation. | Information about the 8th Convocation brings to a page  that contains  information about the venue, date, number of students graduated. | Failed | The test case failed. It does not show pictures of that Convocation. |
| **TC\_17** | Click on the 9th Convocation link | **411.1.6.9** | Information about the 9th Convocation brings to a page  that contains  information about the venue, date, number of students graduated, and pictures of that convocation. | Information about the 9th Convocation brings to a page  that contains  information about the venue, date, number of students graduated. | Failed | The test case failed. It does not show pictures of that Convocation. |
| **TC\_18** | Click on the 10th Convocation link | **411.1.6.10** | Information about the 10th Convocation brings to a page  that contains  information about the venue, date, number of students graduated, and pictures of that convocation. | Information about the 10th Convocation brings to a page  that contains  information about the venue, date, number of students graduated. | Failed | The test case failed. It does not show pictures of that Convocation. |
| **TC\_19** | Click on the 11th Convocation link | **411.1.6.11** | Information about the 11th Convocation brings to a page  that contains  information about the venue, date, number of students graduated, and pictures of that convocation. | Information about the 11th Convocation brings to a page  that contains  information about the venue, date, number of students graduated. | Failed | The test case failed. It does not show pictures of that Convocation. |
| **TC\_20** | Click on the 12th Convocation link | **411.1.6.12** | Information about the 12th Convocation brings to a page  that contains  information about the venue, date, number of students graduated, and pictures of that convocation. | Information about the 12th Convocation brings to a page  that contains  information about the venue, date, number of students graduated. | Failed | The test case failed. It does not show pictures of that Convocation. |
| **TC\_21** | Click on the 13th Convocation link | **411.1.6.13** | Information about the 13th Convocation brings to a page  that contains  information about the venue, date, number of students graduated, and pictures of that convocation. | Information about the 13th Convocation brings to a page  that contains  information about the venue, date, number of students graduated. | Failed | The test case failed. It does not show up pictures of 13th convocation. |
| **TC\_22** | Click on the 14th Convocation link | **411.1.6.14** | Information about the 14th Convocation brings to a page  that contains  information about the venue, date, number of students graduated, and pictures of that convocation. | Information about the 14th Convocation brings to a page  that contains  information about the venue, date, number of students graduated. | Failed | The test case failed. It does not show pictures of that Convocation. |
| **TC\_23** | Click on the 15th Convocation link | **411.1.6.15** | Information about the 15th Convocation brings to a page  that contains  information about the venue, date, number of students graduated, and pictures of that convocation. | Information about the 15th Convocation brings to a page  that contains  information about the venue, date, number of students graduated. | Failed | The test case failed. It does not show pictures of that Convocation. |
| **TC\_24** | Hover on ‘About’ and clicking on Video. | **411.1.7** | A drop-down list will appear by hovering on ‘About’ of which ‘Video’ is the last item. On clicking on ‘Video’, the system will display four video clips to view. | A drop-down list appears by hovering on ‘About’ of which ‘Video’ is the last item. On clicking on ‘Video’, the system displays four video clips to view. | Passed | The item passed |
| **TC\_25** | Hover on ‘Academic.’ | **412.0** | Putting the mouse pointer over ‘Academics’ in the homepage will display a drop-down list with the items –Academic Regulations, Admission & Registration, Courses & Tuition Fees, Academic  Calendar | Putting the mouse pointer over ‘Academics’ in the homepage displays a drop-down list but fails to show every expected items. | Failed | The item failed |
| **TC\_26** | Click on ‘Academic Regulations.’ | **412.1** | Clicking on ‘Academic Regulations’ will bring 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 | Clicking on ‘Academic Regulations’ brings to a page titled ‘Academic Regulations’ but fails to show every expected items. | Failed | The item failed |
| **TC\_27** | Clicking on ‘Courses and Tuition Fees,’ under ‘Academics’ drop-down list. | **412.1.1** | Under ‘Academics’ drop-down list, clicking on ‘Courses and Tuition Fees’ displays a page that contains information about different courses and tuition fees. | Under ‘Academics’ drop-down list, there is no item titled ‘Courses and Tuition Fees’ | Failed | The item failed |
| **TC\_28** | Clicking on ‘Academic Calendar,’ under ‘Academics’ drop-down list. | **412.1.2** | Under ‘Academics’ drop-down list, when clicked on the ‘Academic Calendar’, the system will display the academic calendar for all three semesters | Under ‘Academics’ drop-down list, when clicked on the ‘Academic Calendar,’ the system displays the academic calendar for all current semester. | Failed | The item failed |
| **TC\_29** | Hover on ‘Administration.’ | **413.0** | By hovering over ‘Administration,’ a drop-down list with the following items will be displayed –The Vice Chancellor, The Chairman, The Founders | By hovering over ‘Administration,’ a drop-down list with the following items is displayed –The Vice Chancellor, The Chairman, The Founders | Passed | The item passed |
| **TC\_30** | Hover on ‘Offices.’ | **214.0** | By hovering over ‘Offices,’ a drop-down list with the following items will be 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). | By hovering over ‘Offices,’ 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). | Passed | The item passed |