

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

**Department of Computer Science**

**Software Quality and testing**

**Fall 2020-2021**

**Section: D**

**Assignment:**

**Writing and Executing Test Case for AIUB System**

**Course Instructor:**

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**Submitted by:**

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**Test Case for AIUB System:**

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| --- | --- | --- | --- | --- | --- | --- |
| **Test**  **Case#** | **Action** | **Requirement#** | **Expected**  **Results** | **Actual**  **Results** | **Pass/**  **Fail** | **Comments** |
| TC\_01 | Click on  Website  link | 510.0 | The website http://www.aiub.edu should contain the major items –Home, About, Academics, Administration, Faculties, Offices, Admission, Contact, Webmail, Login. | The website http://www.aiub.edu should contain the major items –Home, About, Academics, Administration, Faculties, Offices, Admission, Contact, Webmail, Login. | Pass | It contains all items. |
| TC\_02 | Put mouse pointer is put over ‘About’ | 511.1 | When the mouse pointer is put over ‘About’, a drop-down list opens with the items –Information, General Information, 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, Why Study here, Resources, Career, Convocation, Video. | Pass | It shows every items. |
| TC\_03 | Clicking on the link ‘Information’ | 511.1.1 | 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. | Pass | It brings all contains. |
| TC\_04 | Clicking on ‘General Information’ | 511.1.2 | Clicking on ‘General Information’ 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. | Clicking on ‘General Information’ brings to a new page containing information regarding –Degrees Offered at Present, Academic Council and Syndicate Members. | Fail | Does not contain all preferred items. |
| TC\_05 | Clicking on ‘Why study here’ | 511.1.3 | 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’ | Fail | Shows different title, |
| TC\_06 | Clicking on ‘Resources’ | 511.1.4 | 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 Facilities,  AIUB ICT facilities, Laboratory facilities, Auditorium, Student Health Services, Hostel Facilities, Security Services. | Fail | ‘Student Transportation Facilities’ is missing. |
| TC\_07 | Clicking on ‘Career’ | 511.1.5 | When clicked on ‘Career’, the system opens a page titled Career Opportunities for ‘`Fresh Graduates’. | When clicked on ‘Career’, the system opens a page titled ‘Faculty Search’. | Fail | Shows different page. |
| TC\_08 | Clicking on ‘Convocation’ | 511.1.6 | Clicking on ‘Convocation’ 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. | Clicking on ‘Convocation’ 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. | Pass | Have every information. |
| TC\_09 | Clicking on 1st Convocation | 511.1.6.1 | Clicking on 1st Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of the first convocation. | Clicking on 1st Convocation brings to a page that contains Coming soon. | Fail | Shows nothing. |
| TC\_10 | Clicking on 2nd Convocation | 511.1.6.2 | Clicking on 2nd Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of the first convocation. | Clicking on 2nd Convocation brings to a page that contains Coming soon. | Fail | Shows nothing. |
| TC\_11 | Clicking on 3rd Convocation | 511.1.6.3 | Clicking on 3rd Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | Clicking on 3rd Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | Pass | Have all contains. |
| TC\_12 | Clicking on 4th Convocation | 511.1.6.4 | Clicking on 4th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | Clicking on 4th Convocation brings to a page that contains information about the venue, date. | Fail | Does not have all information. |
| TC\_13 | Clicking on 5th Convocation | 511.1.6.5 | 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. | Fail | Does not have all information. |
| TC\_14 | Clicking on 6th Convocation | 511.1.6.6 | 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 pictures of that convocation. | Fail | Does not have all information. |
| TC\_15 | Clicking on 7th Convocation | 511.1.6.7 | 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 pictures of that convocation. | Fail | Does not have all information. |
| TC\_16 | Clicking on 8th Convocation | 511.1.6.8 | 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, and pictures of that convocation. | Pass | Have all information. |
| TC\_17 | Clicking on 9th Convocation | 511.1.6.9 | 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, and pictures of that convocation. | Pass | Have all information. |
| TC\_17 | Clicking on 10th Convocation | 511.1.6.10 | 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 Coming soon. | Fail | Shows nothing. |
| TC\_18 | Clicking on 11th Convocation | 511.1.6.11 | Clicking on 11th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | Clicking on 11th Convocation brings to a page that contains Coming soon. | Fail | Shows nothing. |
| TC\_19 | Clicking on 12th Convocation | 511.1.6.12 | Clicking on 12th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | Clicking on 12th Convocation brings to a page that contains Coming soon. | Fail | Shows nothing. |
| TC\_20 | Clicking on 13th Convocation | 511.1.6.13 | Clicking on 13th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | Clicking on 13th Convocation brings to a page that contains Coming soon. | Fail | Shows nothing. |
| TC\_21 | Clicking on 14th Convocation | 511.1.6.14 | Clicking on 14th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | Clicking on 14th Convocation brings to a page that contains Coming soon. | Fail | Shows nothing. |
| TC\_22 | Clicking on 15th Convocation | 511.1.6.15 | Clicking on 15th Convocation brings to a page that contains information about the venue, date, number of students graduated, and pictures of that convocation. | Clicking on 15th Convocation shows error.. | Fail | Shows Error. |
| TC\_23 | Clicking on ‘Video’ | 511.1.7 | If the mouse pointer is put over ‘About’ a drop-down list appears of which ‘Video’ is the last item. On clicking on ‘Video’, the system displays four 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 on ‘Video’, the system displays three video clips to view. | Fail | Shows less video. |
| TC\_24 | Putting the mouse pointer over ‘Academics’ | 512.0 | Putting the mouse pointer over ‘Academics’ in the homepage displays 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 with the items –Academic Regulations, Courses & Tuition Fees, Academic Calendar. | Fail | Have less option. |
| TC\_25 | Clicking on ‘Academic Regulations’ | 512.1 | Clicking on ‘Academic Regulations’ 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’ 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, Sanction, Graduation, Academic  Scholarship/Discount Policy. | Fail | Missing a option. |
| TC\_26 | Clicking on ‘Courses and Tuition Fees’ | 512.1.1 | 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, clicking on ‘Courses and Tuition Fees’ displays a page that contains information about different courses and tuition fees. | Pass | Contains all information. |
| TC\_27 | Clicked on the ‘Academic Calendar’ | 512.1.2 | Under ‘Academics’ drop-down list, when clicked on the ‘Academic Calendar’, the system displays the academic calendar for all three semester. | Under ‘Academics’ drop-down list, when clicked on the ‘Academic Calendar’, the system displays the academic calendar for current semester. | Fail | Lacks of information. |
| TC\_28 | mouse pointer put over ‘Administration’ | 513.0 | When the mouse pointer is put over ‘Administration’, a drop-down list with the following items is  displayed –The Vice Chancellor, The Chairman, The Founders. | When the mouse pointer is put over ‘Administration’, a drop-down list with the following items is  displayed –The Vice Chancellor, The Chairman, The Founders. | Pass | Contains all options. |
| TC\_29 | Mouse pointer put over ‘Admission’ | 515.0 | When the mouse pointer is put over ‘Admission’, a drop-down list with the following items is displayed – Admission Information, Admission Requirements. | When the mouse pointer is put over ‘Admission’, a drop-down list with the following items is displayed – Admission Information, Online Admission. | Fail | Contains Wrong option. |
| TC\_30 | Mouse pointer put over ‘Offices’ | 516.0 | When the mouse pointer is put 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). | When the mouse pointer is put 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). | Pass | Have all information. |