American International University- Bangladesh (AIUB)
Department of Computer Science
Software Quality and Testing
Summer 2021-2022

<u>Assignment:</u> Writing and Executing test cases for AIUB system

<u>**Objective:**</u> The objective of this assignment is to –
- Introduce students with the concept of test case
- Write test cases based on the requirements and functionalities of the system under test
- Execute the test cases and find defects, if any

<u>**Submission Rules:**</u>
Deadline: **June 20, 2022**
Group: Group of 4/5 (minimum– four members; maximum– five members); you have to choose your assignment-partners
Submission: Submit a **hard copy (in MS Word)** of the test cases with executed results.
The Title page must contain the assignment title, Name and ID of the group members
Also, write your **course title** and **section** on title page.

Plagiarism: 100% penalty for all the groups involved in copying each other's works (It includes the original producer).
Late Submission: NOT allowed
Total marks: 10% of the midterm marks

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. (But do NOT forget that in practice you have to write test cases for all the requirements of the system to make sure the software is tested against all requirements!).

Below is a sample Test Case format, use it for your project.

Sample Test Case Format:

Test Case #	Action / Description	Requirement #	Expected Results	Actual Results	Status	Comments

Example:

Test Case #	Action	Requirement #	Expected Results	Actual Results	Status	Comments
TC_101	Put the mouse pointer over About Us	110.1	A drop-down list will appear with the items –Home, Introduction, General Information, Why study here, Resources, Convocation	A drop-down list appears with the items –Home, Introduction, General Information, Why study here, Resources, Convocation	Passed	The item passed
TC_102	Click on 'Home'	110.1.1	Clicking on the 'Home' brings to http://www.aiub.edu	Clicking on the 'Home' brings to https://fst.aiub.edu/	Failed	The test case failed.
TC_103	…..	...	….	…	….	…
TC_104	…..	...	….	…	….	…