



Daffodil International University
Department of Computer Science and Engineering
Faculty of Science and Information Technology
Midterm Examination, Semester: Fall 2019

Course Code: CSE 333
Section: ALL

Course Title: Software Engineering
Course Teacher: ALL

Time: 1.5 Hours

Total Marks: 25

[Answer all the Question]

1. Daffodil International University wants to develop an online apps for the university students to pay the fees. A university student can register the courses for the new semester if he passed the previous semester. Students can also take different course of other semester or retake any courses. But to do that student have to fulfill any of the mentioned two conditions otherwise he/she will not be able to register the course. The conditions are, completion of prerequisite courses for the new courses and clearance of the payment. Students can pay their fees by using Bkash or any other debit or credit card. Advisor can check and verify students' information including completion of prerequisite courses for the new courses and clearance of the payment. At the time of registration advisor will always check whether the total credit taken by the student is not more than 15 credits. Advisor can add, delete and change the section of a course. Before doing this, advisor need to login into the system by using his employee id and password.
 - a) Construct a Use Case Model for the above scenario. 10
 - b) Describe Use case for the students' registration for the new semester and Section Modification 5
2. When a new student wants to get admitted into university, he/she must submit some documents like S.S.C and H.S.C. or equivalent certificate, transcripts, testimonials, Birth certificate, Salary certificate of Father/ Mother's yearly income and 3 passport size photos. Before admission a student needs to sit for an admission test if his S.S.C and H.S.C GPA is below than 4.00 out of 5.00. Every new student is assigned into a new section and every section is monitored by an advisor. Advisor will give a unique id and email id to every student.
 - a) Draw a very Interactive GUI for admission of new students. If any customer wants to change the GUI in the last part of the development, what SDLC will be best for the Software? Why? 2+4
 - d) Draw an activity diagram for admission of the new students. 4