



Faculty of Computers & Artificial Intelligence

2st Term (2019-2020) Final Exam

class: First year

Course Code: MCS141

Course name: Structured Programming

Research submission: From 31 May to 7 June 2020



Benha University

Final Date: 7 / 6 /2020

Total Marks: Pass / Fail

Examiner(s): Prof. Mazen Selim

تنبيه عام : غير مسموح بعمل مجموعات – كل طالب يعمل في مشروع بمفرده
المشروعات مقسمة طبقا لرقم الجلوس

ارقام الجلوس	رقم المشروع
1119001- 1119020	Topic1
1119021- 1119040	Topic2
1119041- 1119060	Topic3
1119061- 1119080	Topic4
1119081- 1119100	Topic5
1119101- 1119120	Topic6
1119121- 1119140	Topic7
1119141- 1119160	Topic8
1119161- 1119180	Topic9
1119181- 1119189	Topic10

Project Objective

The main objective of this banking system, is to provide a flexible solution for banking industry. With this system both types of users such as bank customers and working personnel of the particular bank will find it so easy to use and able to perform all their operations using this system. This system enables its users to manage their bank accounts. Customers will be able to withdraw and deposit amount to their particular account. It will also able to generate transactions on money for particular customer account.

Proposed System

The system has the potential to perform all the activities, which are required to make a successful bank. This interactive system will be able to provide customers all the information just by a single click. **The system at least must contain:-** 2 structures, a login structure that involve username and password to achieve the authentication and Account structure that involve name , balance , phone , Account number and type of account (saving – checking – money market) account , and a show menu which contains 5 functions for creating new account , deposit and withdraw amounts to their particular account, a search function to get information about a customer, display function to show all users in the bank , and any other function the student can suggest

Notes:-

- Create array [100] of structures.
- The system starts running with the data for 5 constant users (index from 0 ----4).
- To create a new account it must be add from index 5 and so on, the program keep tracks of the last index ..
- All the previous operations in the proposed section has to be done using functions
- The student can suggest any other functions that support the system

The previous project was just an example in the field of banking,
The same methodology can be used, but in different fields according to the nature of
the field such as:

- Topic 2 Hospital Management System
- Topic 3 Library Management System
- Topic 4 Bookshop Management System
- Topic 5 Bus Reservation System
- Topic 6 Railway Reservation System
- Topic 7 Supermarket Billing System
- Topic 8 Phone Management System
- Topic 9 Hotel Managemnet system
- Topic 10 Student Affairs Management System

GOOD LUCK,

Examiner(s)

Prof. Mazen Selim

Program Coordinator

Prof. Tarek El-shishtawy