

**THE COUNCIL OF COMMUNITY COLLEGES OF JAMAICA****ASSOCIATE OF SCIENCE EXAMINATION****SEMESTER II – 2019 MAY**

PROGRAMME: MANAGEMENT INFORMATION SYSTEM
COURSE NAME: WEB DEVELOPMENT II – ASP.Net
CODE: CWEB2302
YEAR GROUP: TWO
DATE: THURSDAY, 2019 MAY 09
TIME: 9:00 A.M. – 12:00 NOON
DURATION: 3 HOURS
EXAMINATION TYPE: FINAL

This Examination Paper has 5 Pages

INSTRUCTIONS:

1. THIS PAPER CONSIST OF ONE SECTION. ANSWER ALL QUESTIONS.
2. YOU MAY USE VISUAL STUDIO AND SQL MANAGEMNT SERVER APPLICATIONS ONLY

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO

SECTION A

Instruction: On the computer provided, retrieve captioned files.

Question 1

CREATE A FOLDER WITH YOUR NAME, ID NUMBER AND COURSE (all work done must be placed in this folder) For example, if your student identification number is 1ABC234, then the folder should be called *WebDev2Exam_2019_1ABC234*

ALL IMAGES USED ARE PROVIDED IN THE IMAGES FOLDER

- A. Create a website call College_Registry. (1 mark)
- B. Create a database call RegistryDatabase. (1 mark)
- C. Create a Students_Grades table that contains the following table definition. (6 marks)

Name	Data Type	Allow Nulls	Default
StudID	varchar(8)	<input type="checkbox"/>	
Programme	varchar(50)	<input checked="" type="checkbox"/>	
Mode	varchar(50)	<input checked="" type="checkbox"/>	
FirstName	varchar(50)	<input checked="" type="checkbox"/>	
LastName	varchar(50)	<input checked="" type="checkbox"/>	
Email	varchar(50)	<input checked="" type="checkbox"/>	
Telephone	varchar(10)	<input checked="" type="checkbox"/>	
Year	date	<input checked="" type="checkbox"/>	
Semester	int	<input checked="" type="checkbox"/>	
Tuition	float	<input checked="" type="checkbox"/>	
FeePaid	float	<input checked="" type="checkbox"/>	
TuitionBalance	float	<input checked="" type="checkbox"/>	

- D. Create the web form below. Save as Tuition_Report. (3 marks)

Tuition_Report.aspx

STUDENTS REPORT

StudId	Programme	Mode	FirstName	LastName	Email	Telephone	Year	Semester	Tuition	FeePaid	TuitionBalance
abc	abc	abc	abc	abc	abc	abc	2/18/2019 12:00:00 AM	0	0	0	0
abc	abc	abc	abc	abc	abc	abc	2/18/2019 12:00:00 AM	1	0.1	0.1	0.1
abc	abc	abc	abc	abc	abc	abc	2/18/2019 12:00:00 AM	2	0.2	0.2	0.2
abc	abc	abc	abc	abc	abc	abc	2/18/2019 12:00:00 AM	3	0.3	0.3	0.3
abc	abc	abc	abc	abc	abc	abc	2/18/2019 12:00:00 AM	4	0.4	0.4	0.4

SqlDataSource - SqlDataSource1

- E. Connect your datagrid to the appropriate data source. (3 marks)

Question 2

A. Create the web form below. Save as Student_Reg_Form.

(10 marks)

Registration

The screenshot shows a registration form with the following fields and controls:

- Student ID:
- First Name:
- Email:
- Year:
- Tuition:
- Balance:
- Programme:
- Last Name:
- Telephone:
- Semester:
- Amount Paid:
- Level: Fall, Spring, Summer
- Level: Associate, Bachelors, Certificate
- Buttons: Calculate, Submit, Reset

Annotations:

- Red error message above Last Name: "Must enter Student Last Name"
- Red error message above Amount Paid: "Must enter amount Paid"
- Teal background color of the form.

B. Use validation check to ensure that the data entered by the user is valid. Use code below as needed. (8 marks)

```
<appSettings>
  <add key="ValidationSettings:UnobtrusiveValidationMode" value="None"></add>
</appSettings>
```

C. In your .cs file (**Calculate Button**), write a code to calculate the **Balance** and display the amount in the textbox provided. (4 marks)

D. In your .cs file (**Submit Button**), write a code to insert the record entered into your database and call a webform call Tuition_Report.aspx. Note, an appropriate message should be display inside the label provided to let the user know the record was inserted successful. (12 marks)

E. In your .cs file (**Reset Button**), write a code to clear the form. (4 marks)

Question 3

A. Create the web form below. Save as User_Login.

(5 marks)

Background color is
bisque

- B. In your form load use `!IsPostBack` to ensure the textboxes are empty each time the form is loaded. (3 marks)
- C. Validate the **Username** and **Password** boxes to ensure they are not empty upon submission. (2 marks)
- D. In your `.cs` file (**Sign In Button**) write a code to determine whether the user name and password entered is valid. Use the table below to assist you. (6 marks)

User Name	Password	Form to open
Student	ABC123	Stud_Report
Admin	ABC123	Student_Reg_Form

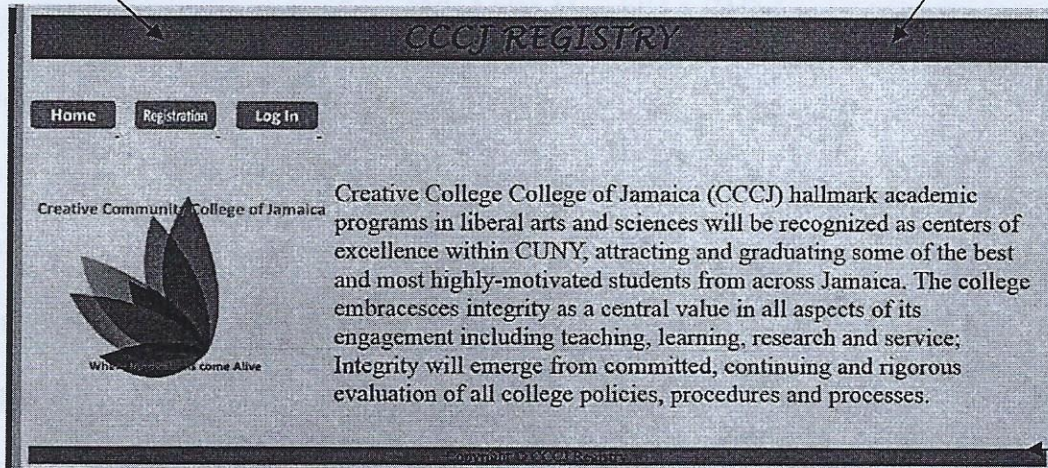
- Display an appropriate message in a label provided if the user entered an incorrect input.
- E. In your `.cs` file (**Reset Button**) write a code to reset your textboxes to empty. (2 marks)

F. Create the web page below and save it as Home

- i. Insert a label at the top of your webpage to display **CCCJ Registry**. (1 mark)
- ii. Insert a footer display **copyright @cccj registry**. (1 mark)
- iii. Using the images provided as hyperlinks to navigate to the respective pages when selected (4 marks)

Button Images
in folder

Colour is teal



Background
colour is bisque

Colour is teal

G. Use a table to format your document to hold the college logo (provided in the folder) and the content provided. (4 marks)

END OF EXAMINATION