

PLEASE NOTE : READ THE ENTIRE QUESTION PAPER CAREFULLY BEFORE ATTEMPTING THE LAB EXAM

STORED PROCEDURES SHOULD BE CREATED AND USED FOR ALL DATABASE INTERACTIONS

Create the following Table

Products

ProductId int - Primary Key

ProductName varchar(50)

Rate Decimal(18,2)

Description varchar(200)

CategoryName varchar(50)

Populate it with some dummy data.

Create an MVC application with the following Views

1. Index View (10 marks for showing the view correctly, including database code)
Should show all the Products in the following way

| ProductId | ProductName | Rate | Description | CategoryName |
|------------------|--------------------|-------------|--------------------|---------------------|
| <u>101</u> | Harry Porter | 10.00 | descA | Books |
| <u>102</u> | Percy Jackson | 20.00 | descB | Books |
| <u>103</u> | Pen | 30.00 | descC | Stationery |
| <u>104</u> | Marker | 30.00 | descD | Stationery |

Product Id is a hyperlink which will take them to the Edit page, passing the ProductId

2. Edit View (10 marks for showing the view correctly and updating the database)

Product Id _____ (Display only, not editable)

Product Name _____ (TextBox)

Rate _____ (TextBox)

Description _ _____ (TextArea)

Category _____ (TextBox)

Update --- (Button)

Back to Index (Hyperlink)

(5 Marks for a, b and c)

a) Ensure that all values must be entered before submitting them.

b) Give proper error messages for all validations

c) The displayed value in the label should be shown from the annotation for the field. Eg
"ProductName" property should be displayed as "Product Name"

3. Create your own Layout Page and use this as the default layout page for all Views (Do not use or change the existing _Layout.cshtml page)
(5 marks for Qs No 3)

4. Create a partial view which displays the following

Created by (Your name here)
Center (Juhu/Kharghar)
RollNo (Your RollNo)

Display this partial view at the bottom of the Index and Edit Views
Ensure that the partial view created cannot be called directly from the url but can only be called from another View.
(5 Marks for the Partial View)

5. (Separate Project) Create a WEB API for the Products Table. Use the Entity Framework. Test the application using POSTMAN. Send the screenshots for GET All Products, and POST method.
(5 marks for the code and Screenshots)