School of Engineering

CE922–Advance User Interface Technologies
CIE-1
Duration: 90 minutes

Date: 11-02-2020   **Max Marks:20**

Instructions to Candidates:

1. Read the context, problem description, requirements and other details carefully and implement the solution.

2. This assessment is intended to test the hands-on skills related to Windows Form Based application design and development.

3. You have been provided with SuppliedFiles folder that contains project files and Expected_UI Screen. Download and extract the SuppliedFiles folder to your local drive

4. Manipulate the project files as per the requirements provided to you in this question paper.

5. Once all the requirements are implemented, kindly submit the .zip or .rar file of the project with database.

Guidelines:

1. This assessment is intended to test the hands-on skills related to web development.

2. You must use Visual Studio code for implementing.

3. Don't forget to write comments for each code snippet.

WISH YOU ALL THE BEST

Problem Description:

Transaction Management System:

iNext Ltd, a company with more than 50000 employees, that provides solutions to large number of services to different countries. It uses a software product to maintain their employee's transactional information.

Each requirement carries a mentioned mark.

REQUIREMENTS:

<table>
<tr><th colspan="4">Modify given files to reflect the following requirements</th></tr>
<tr><th>Requirement ID</th><th>Requirement Description</th><th>Max Marks</th><th>Expected UI Screen</th></tr>
<tr><td>REQ_ 1</td><td>Design the navigation bar as per the navbar.png file.</td><td>2</td><td rowspan="8">Navbar.png

Modal.png

Form.png

M1.png

m2.png

m3.png</td></tr>
<tr><td>REQ_ 2</td><td>Design a modal and open it when user clicks on the contact menu item.</td><td>2</td></tr>
<tr><td>REQ_ 3</td><td>Design the stacked form as per the form.png file.</td><td>2</td></tr>
<tr><td>REQ_ 4</td><td>Write a query to import the data.json file in the appropriate database.

(Assume database name and collection name of your choice)</td><td>2</td></tr>
<tr><td>REQ_ 5</td><td>Write a query to calculate the total transaction amount by adding up Payment.Total in all records.</td><td>2</td></tr>
<tr><td>REQ_ 6</td><td>Write a query to calculate total payments (Payment.Total) for each payment type (Payment.Type).</td><td>2</td></tr>
<tr><td>REQ_7</td><td>Write a code to fetch the records of sign up form using get method and save it in the collection named users.</td><td>4</td></tr>
<tr><td>REQ_8</td><td>Write a code to fetch all the users records and log it after signing up.</td><td>4</td></tr>
</table>