Practical Assessment 2 - ASP.NET Core 3.1

Due date:	Monday, 5 October 2020, 11:45pm	**ASSESSMENT**
Weighting:	35%	
Length:	No set length	**2**

1. Objectives

This assessment item relates to the course learning outcome numbers 2 and 3.

More specifically, the objective of this assignment is for students to:

Develop, test and maintain a dynamic Internet application for business using an integrated suite of software tools.

2. Assessment task

You are required to develop the *Koala Beach* website using ASP.NET Core and C#.

This assessment is a continuation of assessment 1. You must further develop the web site *according to the specifications given in this document*.

Overview

This assessment is a continuation of assessment 1 and is divided into four main parts:

- **Part A -** Database and Catalog Implementation
- **Part B -** Shopping Cart and Checkout
- **Part C -** Registration and Login
- **Part D -** Product and Order Management

Part A: Database and Catalog Implementation

The Catalog page must display items from the database according to the general category of Men, Women and Sale.

The Catalog page must also display items by subcategory selectable in the Catalog page side menu.

For example, subcategories may include shoes, hats, pants, tops etc.

Catalog items must be displayed in a grid layout.

Each Catalog item must include the title, image, price and an add to cart button.

Items tagged in the database as on sale are to be displayed on the Sale page as well as there original page

Part B: Shopping Cart and Checkout

Selecting the shopping cart icon on the menu page will open the cart page.

The cart will list in table form the item name, quantity, price, subtotal, and a delete button.

The quantity is to be editable with changes in quantity reflected in the cart and the database.

It will also provide a **Continue Shopping** and **Checkout** button

Checkout will take the user to the Checkout page where they will enter the shipping details

Checkout Page

The Checkout page will page will display a form to enter shipping details. This form will include:

- First name, last name
- Email, phone number
- Address, suburb, postcode, state

All fields are to be validated.

Confirm Order Page

On Checkout complete the user will be taken to a Confirm order page which will itemise their items and costs.

Here they will be able to complete the order which will empty their cart and take them to a thank you page, or cancel the checkout process and return to the catalog page with their items still in their cart to continue shopping.

Part C: Registration and Login   Part C has been removed from the Assessment Specification

Users can register with an email and password

Users can login using their username and password

Users can change their password (in assignment 1 this was recover password so change that)

Form fields are to be validated

You will set one user with the name *admin* and the password *Hello123*

The admin user can set other users to be in the admin group

Part D: Product and Order Management

Only admin users can access the management section

Products can be added, edited or deleted by admin users

Products can be set as *on sale*

Orders can be finalised by admin users

Overall

The site must be tasteful, well-proportioned and professional

Report on Web Site Development:

- Lists complete and incomplete describing steps taken to fix incomplete functionality (if applicable)
- Include suggestions for new functionality

3. Assessment Criteria

Component	Criteria	Marks
Navigation	Menu contains correct items and navigates correctly	**2**
View as Catalogue	Catalogue items are displayed from database information Items can be added to cart Cart icon opens cart page	**3**
Product filters	Products filtered correctly for selected sub-categories in side menu	**3**
Specials	Sales prices are calculated correctly Sale items are shown on the Sale page	**2**
Shopping Cart Page	Shows all items that have been added to cart Items can be deleted, and quantity edited	**3**
Cart Item	Item details are correctly displayed from details in the database Correctly displays the subtotal for the item	**2**
Checkout page	Login for unauthenticated users displayed, but not displayed for authenticated users Delivery and Confirmation correct Completion step takes user back to Catalogue page	**3**
Login	Login form works correctly	**2**
Register	New users can register	**2**
Change Password	Only authenticated users can access the page Authenticated user can change password	**2**
Authentication	Appropriate security rules applied for access to admin section	**2**
Admin Manage Catalogue	Products can be edited and deleted New products can be added via form	**4**
Admin Process Order	Admin user can finalise an order	**1**
Admin Add user to role	Admin can set a user as admin	**1**
Confirm Order	Confirm order page functions correctly	**1**
Word document	Lists complete and incomplete stages and describes steps taken to fix incomplete functionality (if applicable) Suggestions for new functionality	**2**
	Total	**35**

4. Submission

You are required to submit your assignment electronically via the Moodle course website. You must combine the following files together in a .ZIP (NOT RAR) archive:

- The directory containing your ASP.NET website *including* the solution (.sln) file
- A Word document
- **Your file must be named lastname-firstname-studentId.zip**

The resulting zip file should be submitted on the course website.