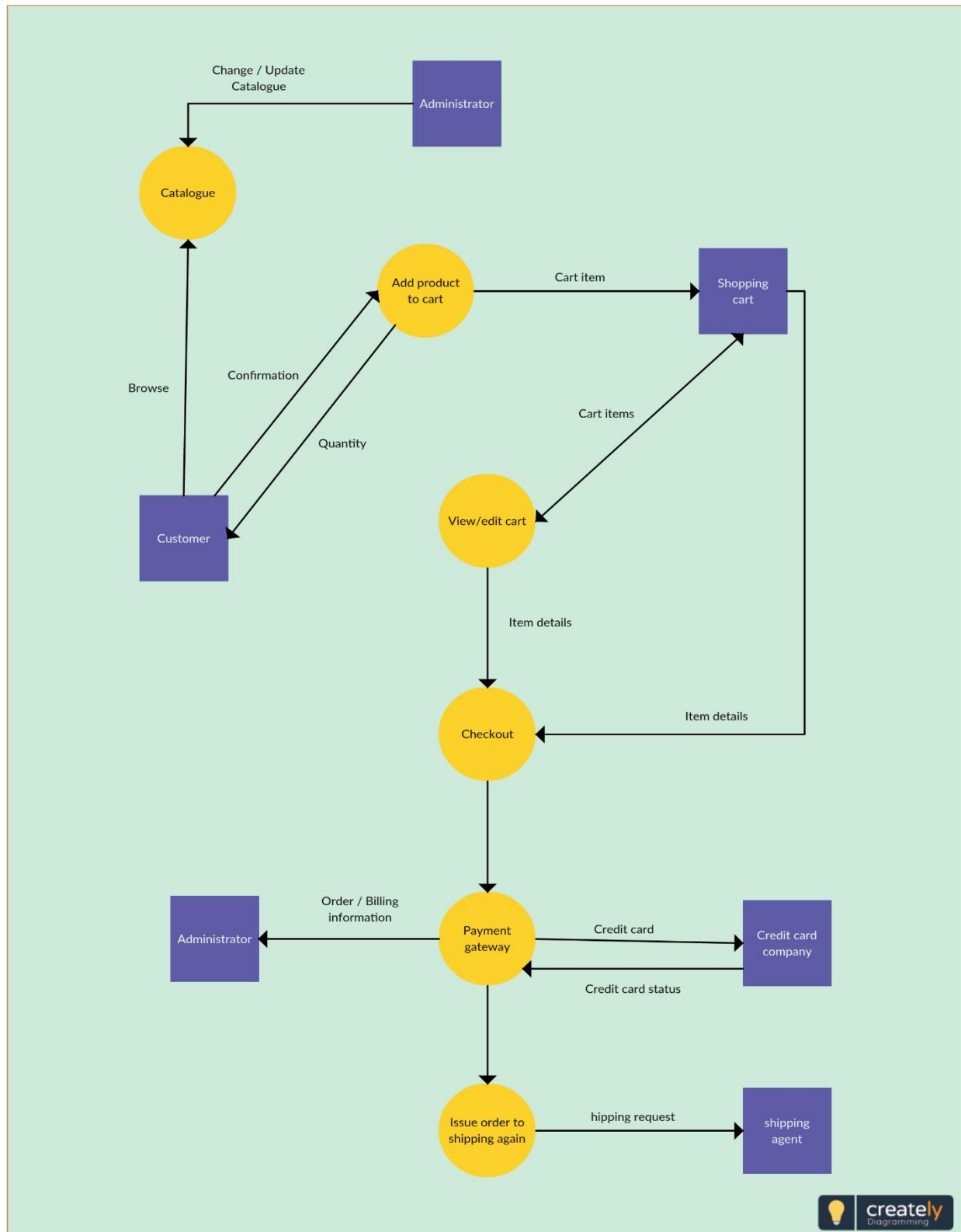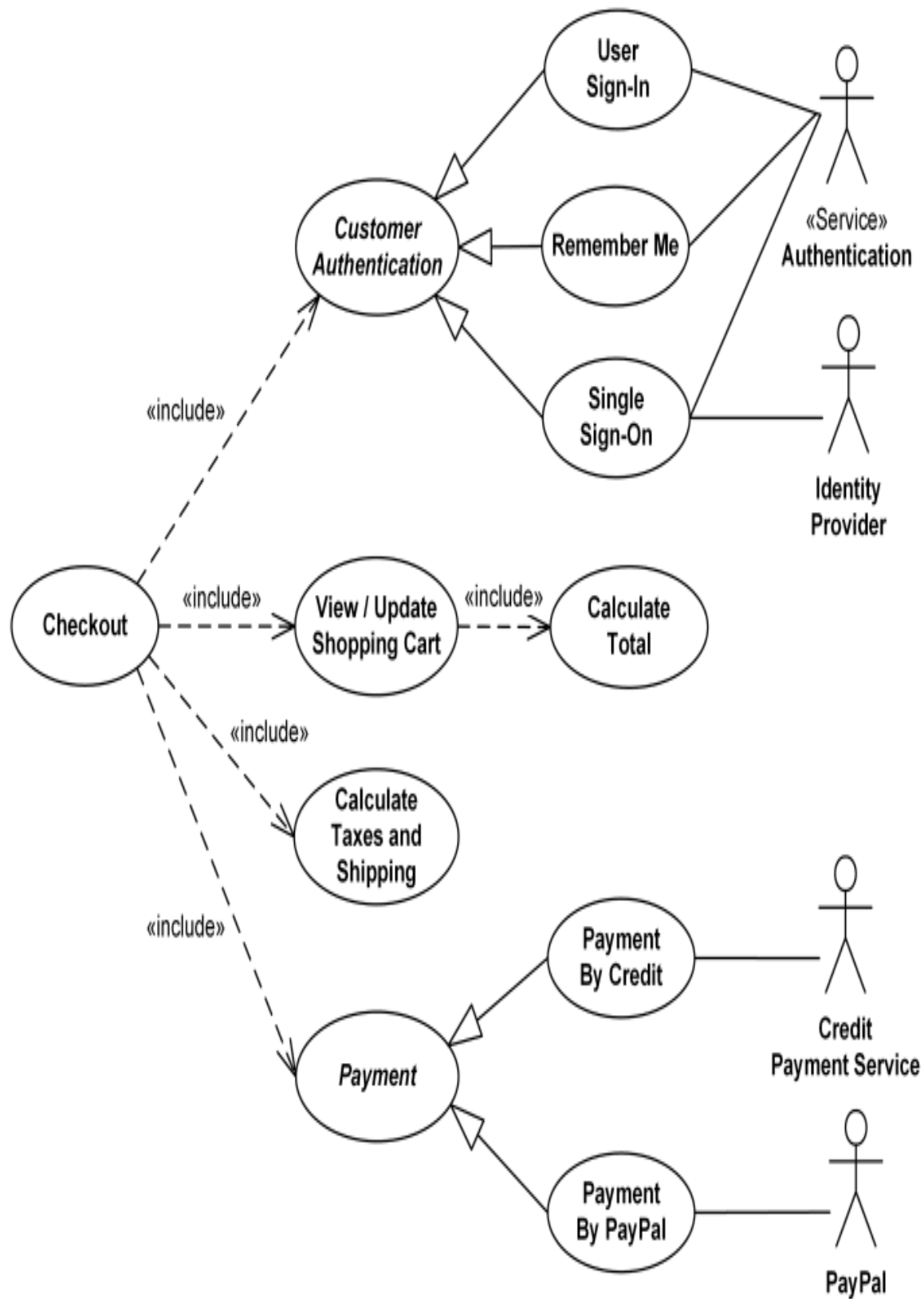## PROJECT NAME

UNI-DECOR SHOPIE KART (U-DSK)

ABSTRACT

In recent times, it has become necessary for any business to have an online presence in order to remain relevant and competitive. As a result of this necessity many businesses, including small enterprises, now operate an e-commerce web store to shop on unique products online such as Tables ,Bedroom products , Decorators etc… so as to increase sales and attract new customers. Also, business owners do not have to worry about finding a place to erect their stores and customers can have unhindered access to a wide range of products at any time and anywhere in the world. The objective of this thesis project was to develop an e-commerce Dot Net web application for a small retail store where the store owner sells his/her products online. The application allows the owner to manage products, customers, and orders. Also, with the application customers make orders and pay for the ordered products. C Sharp(C#) open source e-commerce software

- Shopping cart
- Catalogue
- Search
- Checkout
- Administration
- REST API

The application uses dummy Credit/Debit card holder Checkout as its payment solution. In addition, the web store offers customers and visitors to the site an opportunity to subscribe to an email list in order to get news about new products and special offers. Lastly, the application sends an automatic email confirmation after completing an order or subscribing to an email list. The development of this application was carried out on Dot Net (Visual Studio 2019) using the C Sharp (C#) programming language. The database communication of the application was implemented by using SQL SERVER was used to store the application data. The application was structured according to the Model-View Controller (MVC) pattern. The payment transaction of the application was carried out on dummy environment.

DFD DIAGRAM

Change / Update Catalogue

Administrator

Catalogue

Add product to cart

Cart item

Shopping cart

Browse

Confirmation

Quantity

Customer

Cart items

View/edit cart

Item details

Checkout

Item details

Order / Billing information

Administrator

Payment gateway

Credit card

Credit card company

Credit card status

Issue order to shipping again

hipping request

shipping agent

creately
Diagramming

User
Sign-In

Customer
Authentication

Remember Me

«Service»
Authentication

Single
Sign-On

Identity
Provider

«include»

Checkout

«include»

View / Update
Shopping Cart

«include»

Calculate
Total

«include»

Calculate
Taxes and
Shipping

«include»

Payment

Payment
By Credit

Credit
Payment Service

Payment
By PayPal

PayPal

UML DIAGRAM

«Subsystem»
Online Shopping

View Items

«include»

Make Purchase

«include»

Checkout

Client Register

Registered Customer

Web Customer

New Customer

«Service»
Authentication

Identity Provider

Credit Payment Service

PayPal