SC StripeShopping

Release 0.1

Schniter

Feb 10, 2023

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SC StripeShopping is Visual Studio Solution written in *ASPT.NET Core MVC 6* that implement a *Shopping Cart* process and checkout with *Stripe* Payment Gateway integration.

It use *Microsot SQL Server Express* as database and *EntityFrameworkCore* Code First to manage Data and offers a *simple* and *intuitive* UI to start building a full eCommerce Website.

SC StripeShopping is an ASP.NET CORE MVC 6 Project that can be used to start building your eCommerce Website. The project implement the Shopping Cart process (Shopping - Checkout - Payment). The Shopping Cart persist on database and attached to the logged in User. Key Features:

Check out the *Getting Started* section for further information

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Note: This project is under active development.

CHAPTER

ONE

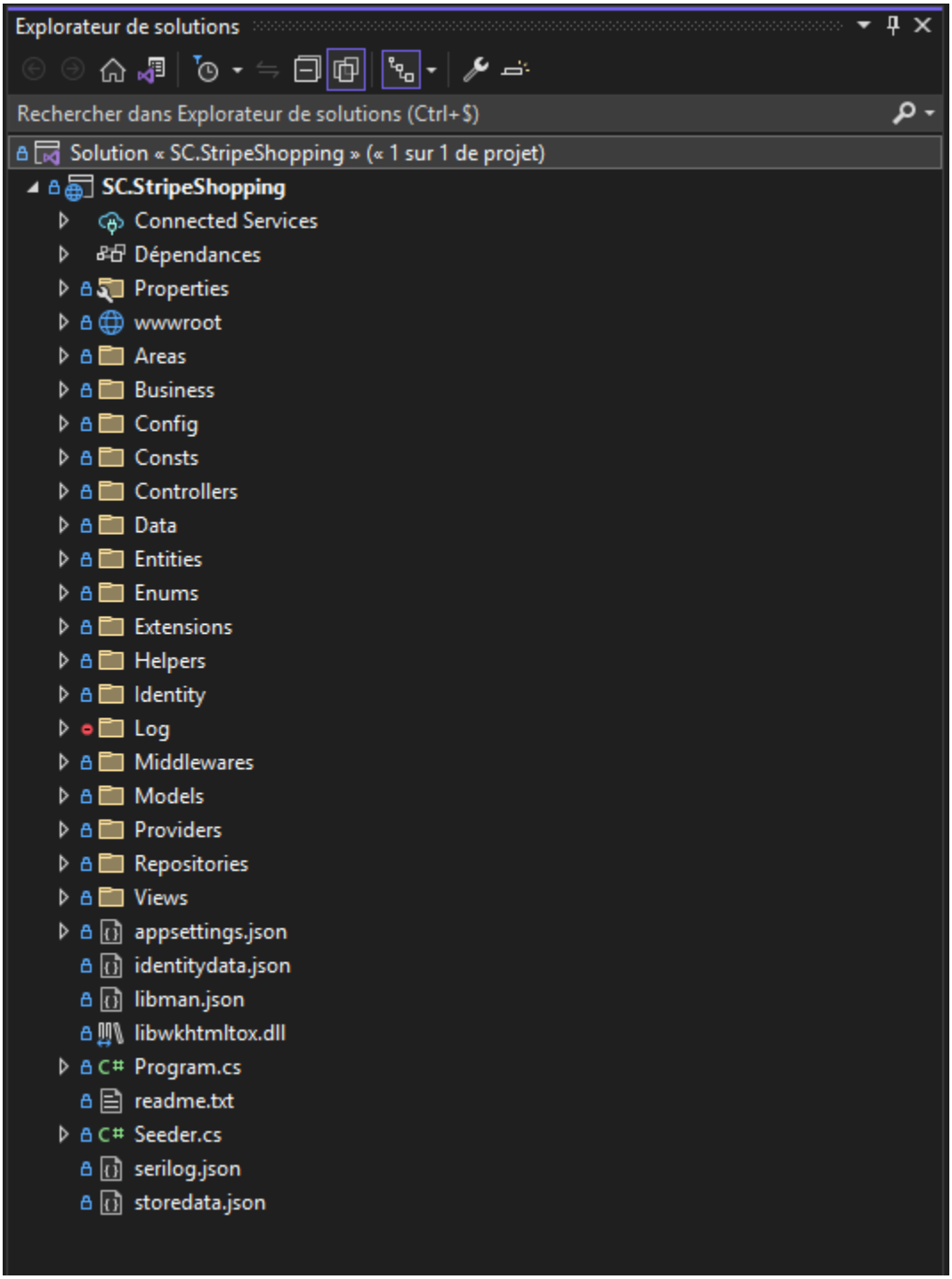
CONTENTS

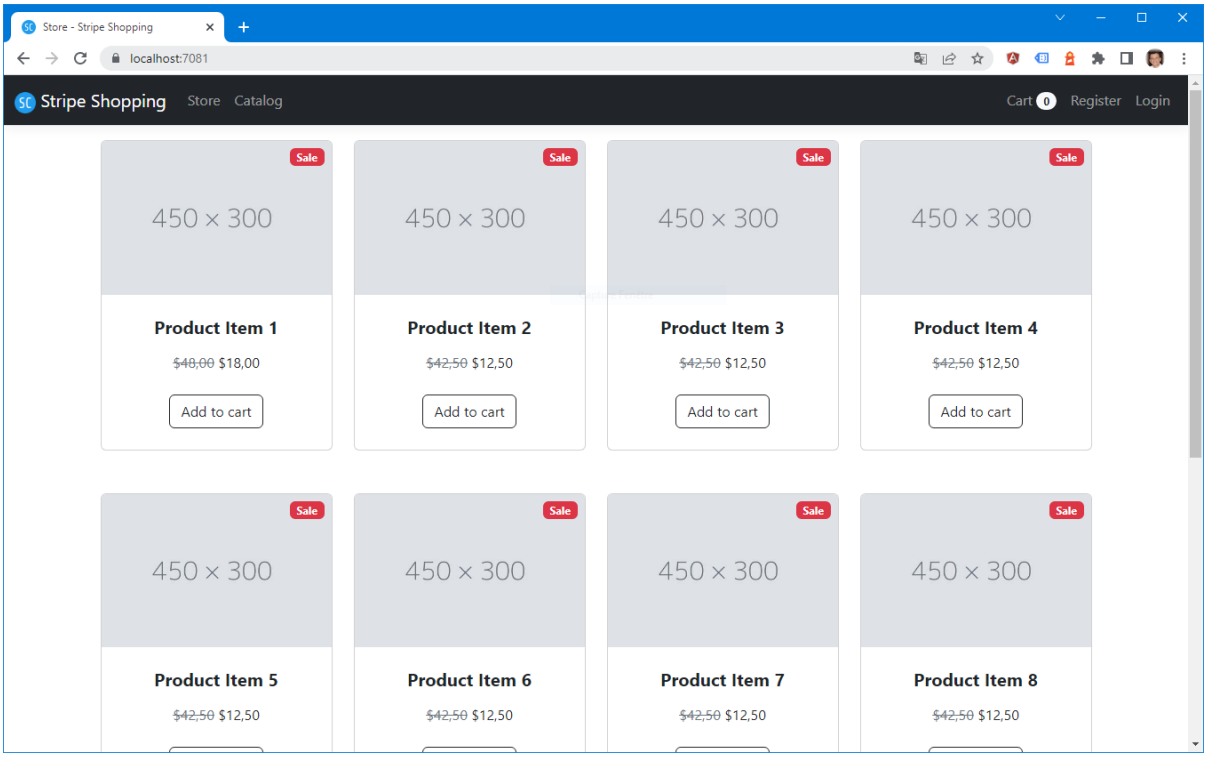
1.1 Getting Started

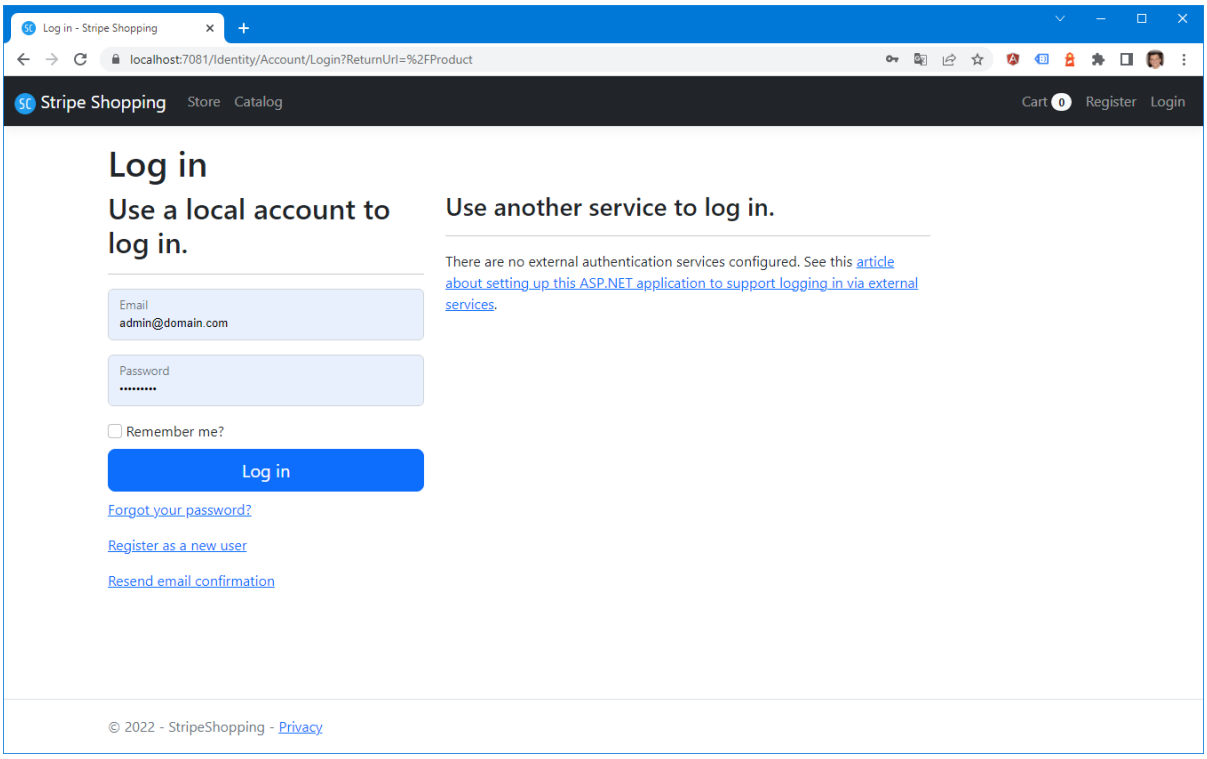
SC StripeShopping is an ASP.NET CORE MVC 6 Project that can be used to start building your eCommerce Website.

The project implement the Shopping Cart process (Shopping - Checkout - Payment).

The Shopping Cart persist on database and attached to the logged in User.


Explorateur de solutions
Rechercher dans Explorateur de solutions (Ctrl+$)
Solution « SC.StripeShopping » (« 1 sur 1 de projet)
SC.StripeShopping
Connected Services
Dépendances
Properties
wwwroot
Areas
Business
Config
Consts
Controllers
Data
Entities
Enums
Extensions
Helpers
Identity
Log
Middlewares
Models
Providers
Repositories
Views
appsettings.json
identitydata.json
libman.json
libwkhtmltox.dll
Program.cs
readme.txt
Seeder.cs
serilog.json
storedata.json


Store - Stripe Shopping
localhost:7081
Stripe Shopping
Store
Catalog
Cart 0
Register
Login
Sale
450 × 300
Product Item 1
$48,00 $18,00
Add to cart
Product Item 2
$42,50 $12,50
Add to cart
Product Item 3
$42,50 $12,50
Add to cart
Product Item 4
$42,50 $12,50
Add to cart
Product Item 5
$42,50 $12,50
Product Item 6
$42,50 $12,50
Product Item 7
$42,50 $12,50
Product Item 8
$42,50 $12,50


Log in - Stripe Shopping
localhost:7081/Identity/Account/Login?ReturnUrl=%2FProduct
Stripe Shopping
Store
Catalog
Cart 0
Register
Login
Log in
Use a local account to log in.
Email
admin@domain.com
Password
Remember me?
Log in
Forgot your password?
Register as a new user
Resend email confirmation
Use another service to log in.
There are no external authentication services configured. See this article about setting up this ASP.NET application to support logging in via external services.
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1.1.1 Key Features

- Well structured & Designed solution.
- Clean code.
- EntityFrameworkCore Code First.
- Seperated Business Patterns.
- Identity Area for User account management.
- External Authentication: Google, Micrsoft, Twitter, Facebook.
- Admin Role to manage Products.
- Clean Invoice Pdf generation.
- Sending Invoice by Email.
- Stripe Gateway Checkout.
- Session & Persistent Shopping Card tracked by User.
- Generic Repository Pattern.
- appsettingsjson Configuration Helper.
- Serilog Middleware ToFile Implementation.
- Exception middleware to capture all unhandled Exceptions.
- Full commented source codes.
- Jquery based prototype pattern.
- Jquery Ajax helper.

1.1.2 Environment

To build the Solution you need to have:

- Visual Studio 2022
- Microsoft SQL Server Express (2014 or later)
- Micrsoft .NET 6 SDK

1.1.3 Settings

Before building the solution, make sure to have the correct parameters on the appsettings.json.

- **ConnectionStrings** : Default Connection String of the database
- **Stripe** : Stripe SecretKey and PublishableKey
- **EmailCred** : SMTP Email Credentials
- **SMTP** : SMTP Server settings
- **GoogleAuth** : Google Authentication ClientId and ClientSecret
- **FacebookAuth** : Facebook Authentication ClientId and ClientSecret
- **MicrosoftAuth** : Microsoft Authentication ClientId and ClientSecret

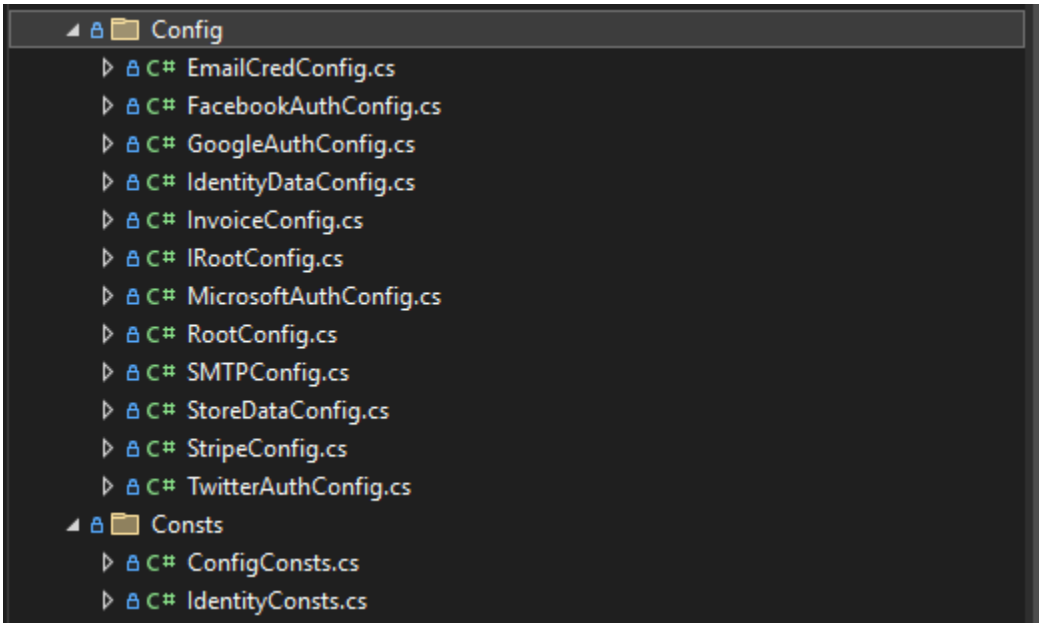
- **TwitterAuth** : Twitter Authentication ConsumerAPIKey and ConsumerSecret
- **InvoiceSettings** : Invoice Settings to use on PDF Invoice

appsettings.json

Schéma : https://json.schemastore.org/appsettings.json

```
{
  "ConnectionStrings": {
    "DefaultConnection": "Server=localhost;Database=SCStripeShoppingDB;Trusted_Connection=True;MultipleActiveResultSets=true"
  },
  "Logging": {
    "LogLevel": {
      "Default": "Information",
      "Microsoft.AspNetCore": "Warning"
    }
  },
  "AllowedHosts": "*",
  "Stripe": {
    "SecretKey": "sk_test_51LpCxdEv0EsXD93mtDNVW2vXepWqgdDJ6vS2LFLWbgFsI1MW7fHLXyktblbAP3W4nx6PZbTREQOsGr7FBM0FSePR00IteMOIAL",
    "PublishableKey": "pk_test_51LpCxdEv0EsXD93muxUT0Y5FCjYvnzVawwBBPzV5u2BxZWtl5PxjXdmfkrumOr3QPRhYa4lsmHoQlyJjkyOQTri200Gb0WQcnZ"
  },
  "EmailCred": {
    "From": "admin@domain.com",
    "FromName": "Stripe Shopping Store",
    "Password": "password"
  },
  "SMTP": {
    "Host": "smtp.freesmtpservers.com",
    "Port": 25,
    "EnableSsl": true,
    "UseDefaultCredentials": true
  },
  "GoogleAuth": {
    "ClientId": "Put your Google ClientId here",
    "ClientSecret": "Put your Google code here"
  },
  "FacebookAuth": {
    "ClientId": "Put your Facebook ClientId here",
    "ClientSecret": "Put your Facebook ClientSecret here"
  },
  "MicrosoftAuth": {
    "ClientId": "Put your Microsoft ClientId here",
    "ClientSecret": "Put your Microsoft ClientSecret here"
  },
  "TwitterAuth": {
    "ConsumerAPIKey": "Put your Twitter ConsumerAPIKey here",
    "ConsumerSecret": "Put your Twitter ConsumerSecret here"
  },
  "InvoiceSettings": {
    "Name": "SC Shopping Store",
    "Address": "01 ABC Road,",
    "AddressComplement": "Room 2121, 19A, OPERA Building,",
    "City": "Wan Chai",
    "Country": "Hong Kong",
    "Email": "contact@domain.com",
    "Website": "https://www.domain.com",
    "TaxRate": 18,
    "Logo": "/images/logo.PNG"
  }
}
```

width
: 600



width
600

1.1.4 Seed Data

- identitydata.json: This file contains default data to seed to the database for identity memebership.
  - Administrator Role : The website Administrator can manage products (Add/Update/Delete).
  - User Role : The User can buy products and do checkout and payment.
  - Default Administrator: admin@domain.com (password: $Admin123).
  - Default User: paul@domain.com (password: $Paul123).
- storedata.json: This file contains default products list with their prices to seed to database.

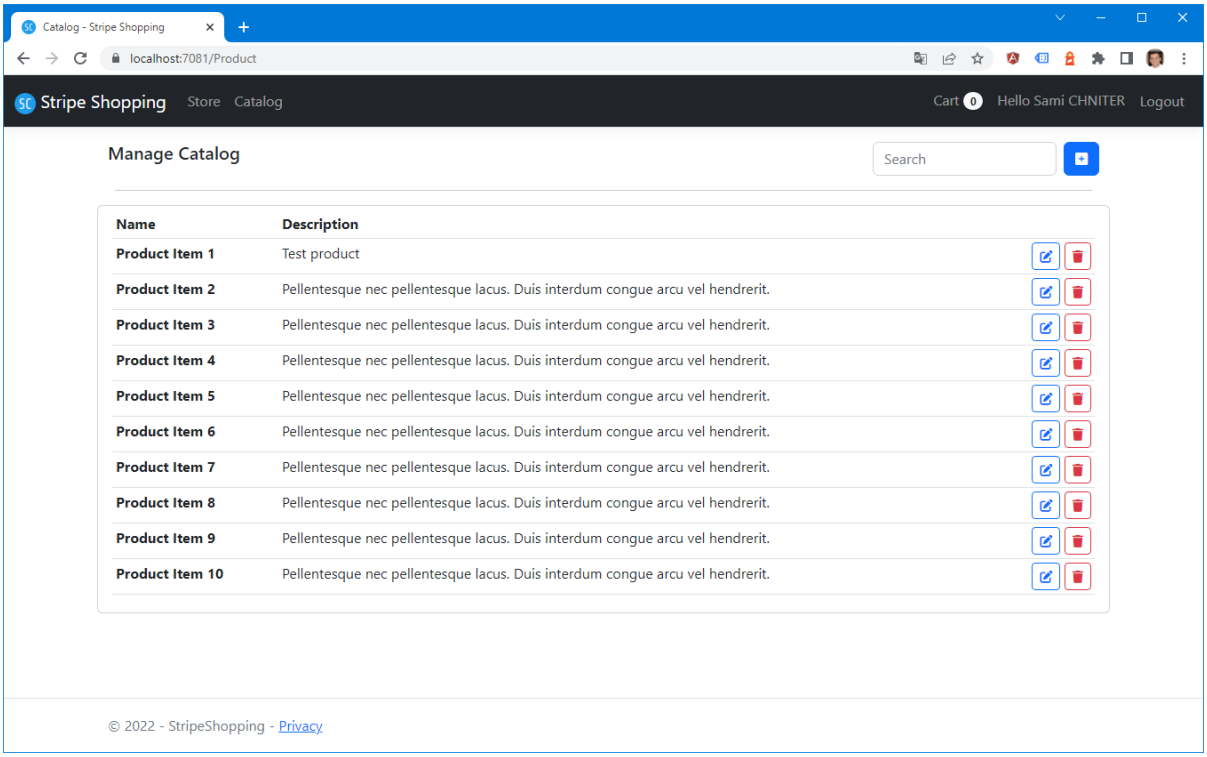
1.1.5 Build & Run

After updating settings and default datat files, you can build and Run the solution.

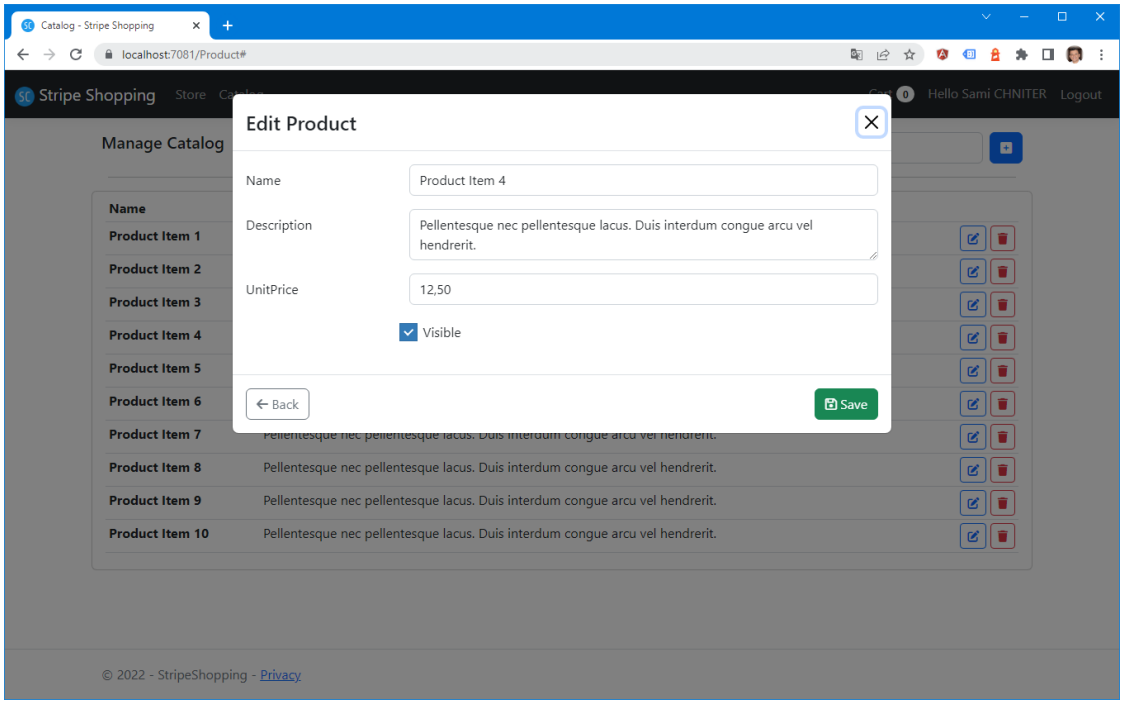
The Project use EntityFrmaeworkCore Code First, so the database will be created automatically on project Startup.

1.2 Catalog

Navigate to Catalog Menu to manage product list.

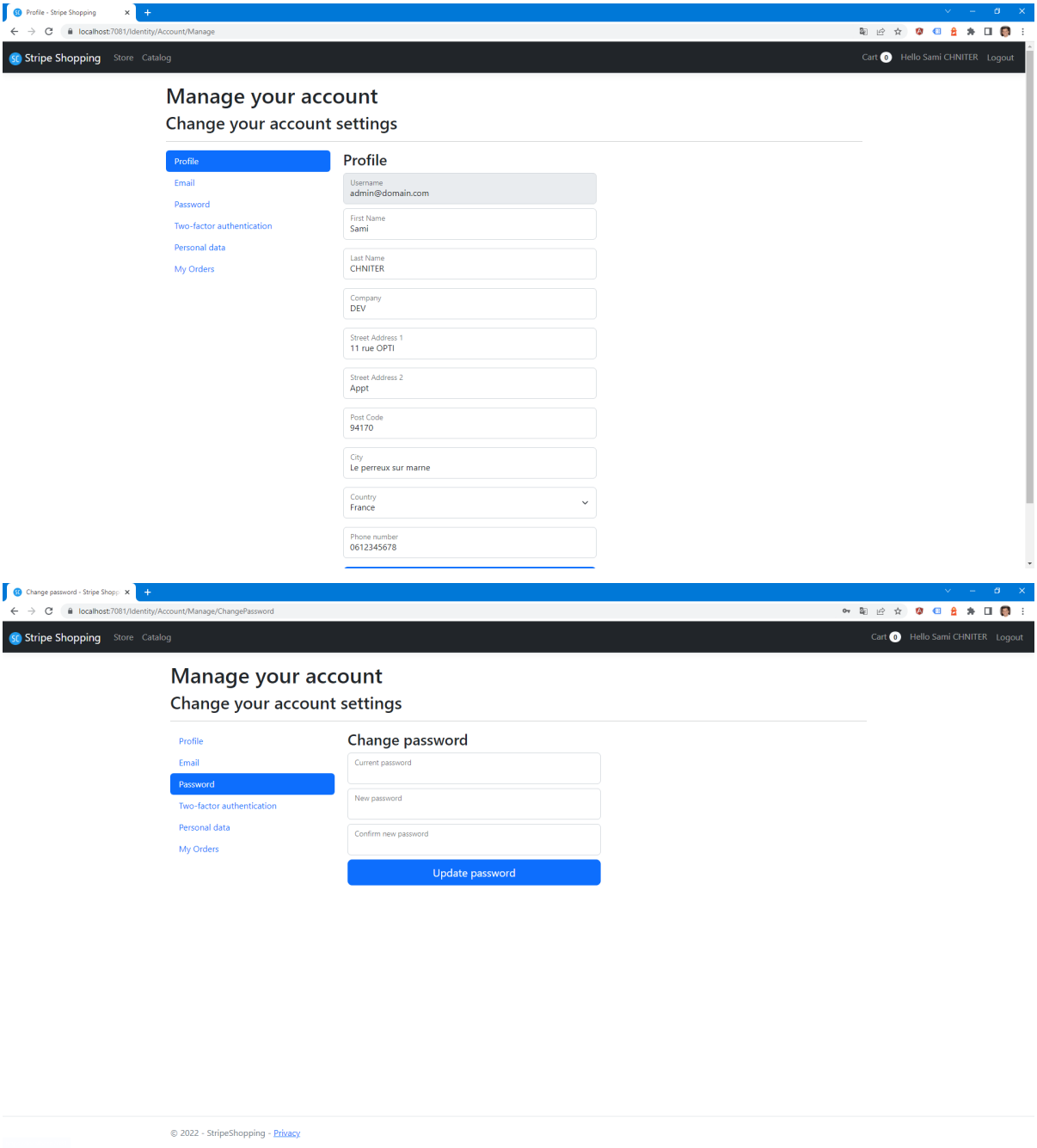


If you have the Administrator Role, you can Add/Update/Delete Products.



1.3 Profile

Navigate to your profile by clicking to your Name and you will be able to update your personnal informations.



1.4 Shopping Cart

Navigate to Home page and choose a product to buy.

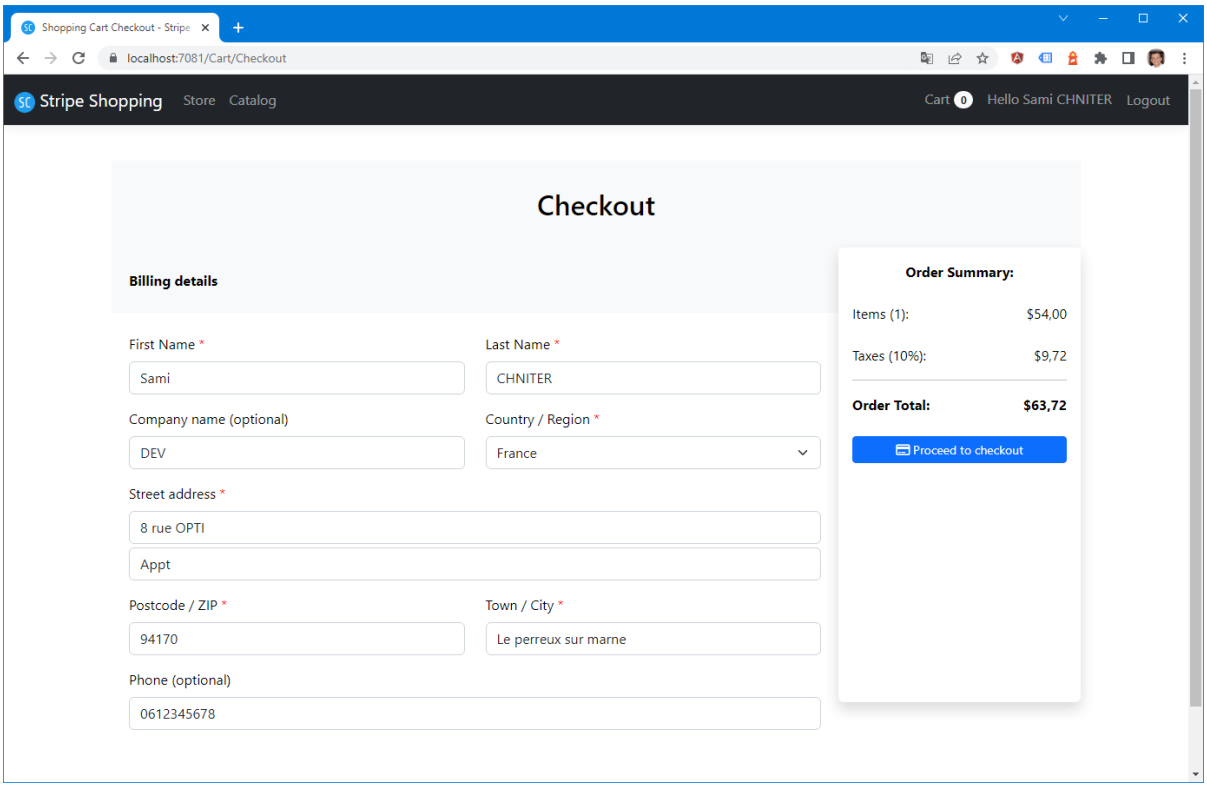
After clicking Buy button, you will redirected to the Shopping Cart page.

You can update each Product quantity and then Click Checkout to proceed to checkout.

1.5 Checkout

On the checkout page you can update your personnal informations before dpoing payment.

Your updated personnal informations will appear on the generated PDF invoice later.

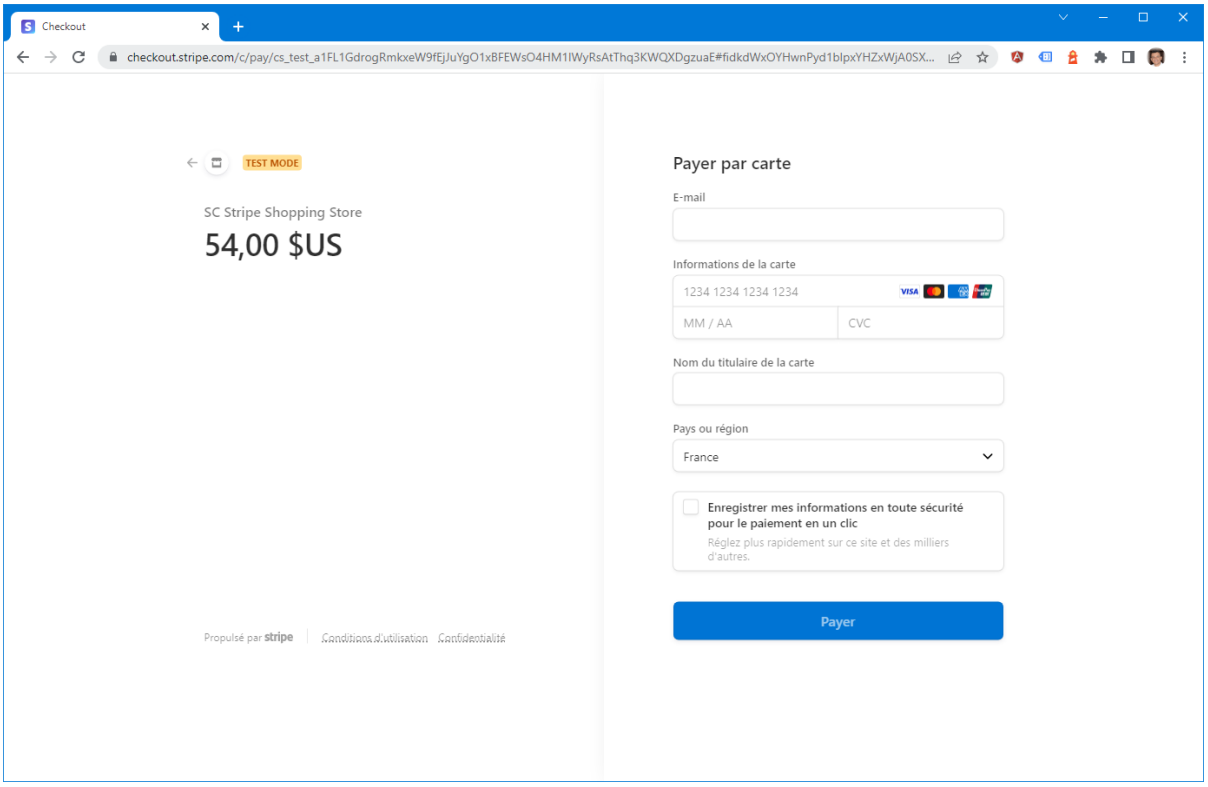


1.6 Stripe Payment

To proceed to payment click on the button Proceed to payment, you will be redirected to Stripe Payment page.

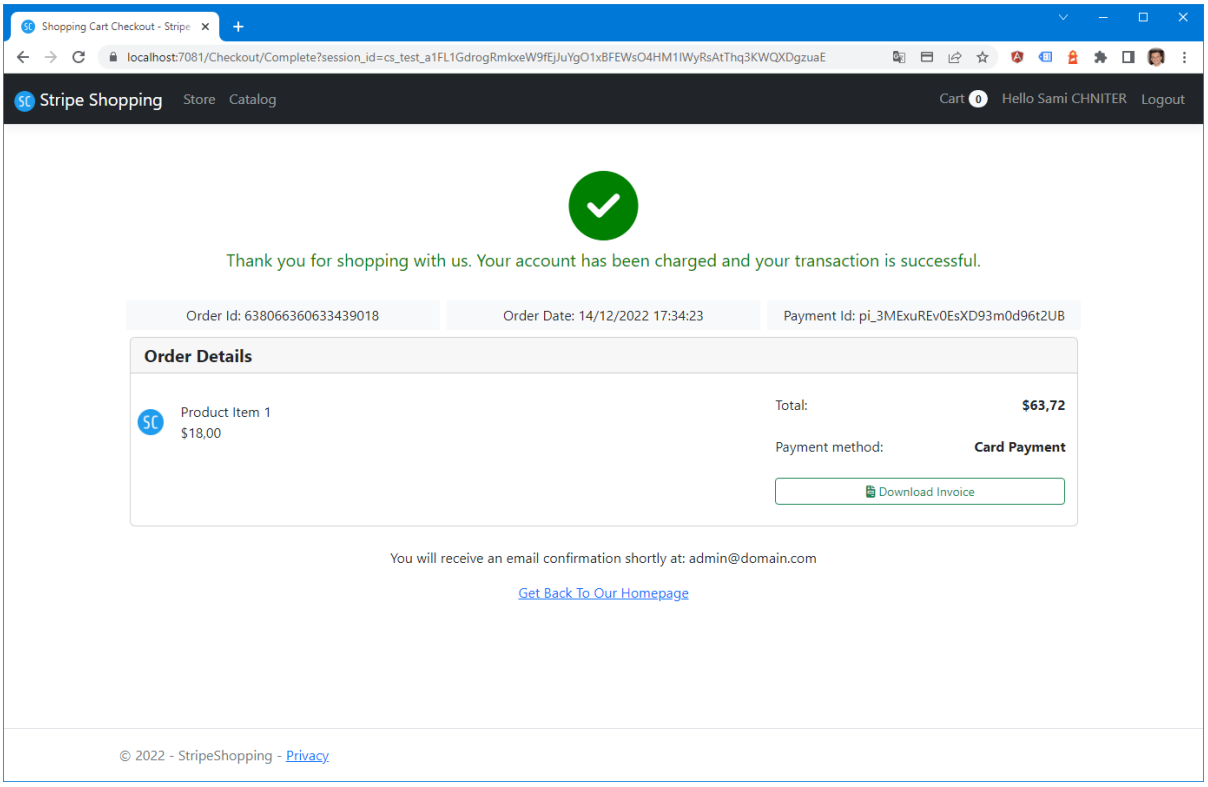
You can use test card number 4242 4242 4242 4242.

Fill the payment form and then confirm payment.



1.7 Invoice

After payment success, you will be redirected to the Website and you can download PDF Invoice.


Shopping Cart Checkout - Stripe
localhost:7081/Checkout/Complete?session_id=cs_test_a1FL1GdrogRmkxeW9fEjJuYgO1xBFEWsO4HM1IWyRsAtThq3KWQXDgzuaE
Stripe Shopping
Store
Catalog
Cart 0
Hello Sami CHNITER
Logout
Thank you for shopping with us. Your account has been charged and your transaction is successful.
Order Id: 638066360633439018
Order Date: 14/12/2022 17:34:23
Payment Id: pi_3MExuREv0EsXD93m0d96t2UB
Order Details
Product Item 1
$18,00
Total:
$63,72
Payment method:
Card Payment
Download Invoice
You will receive an email confirmation shortly at: admin@domain.com
Get Back To Our Homepage
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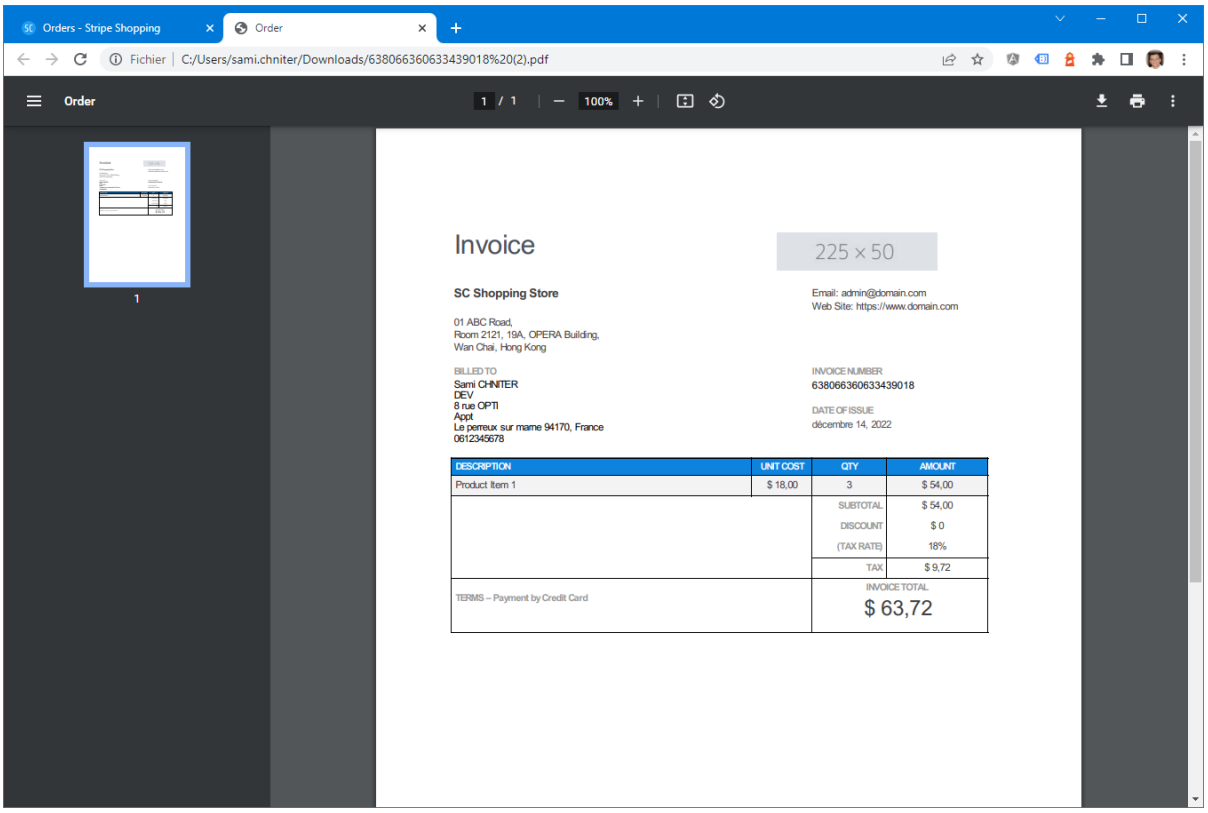
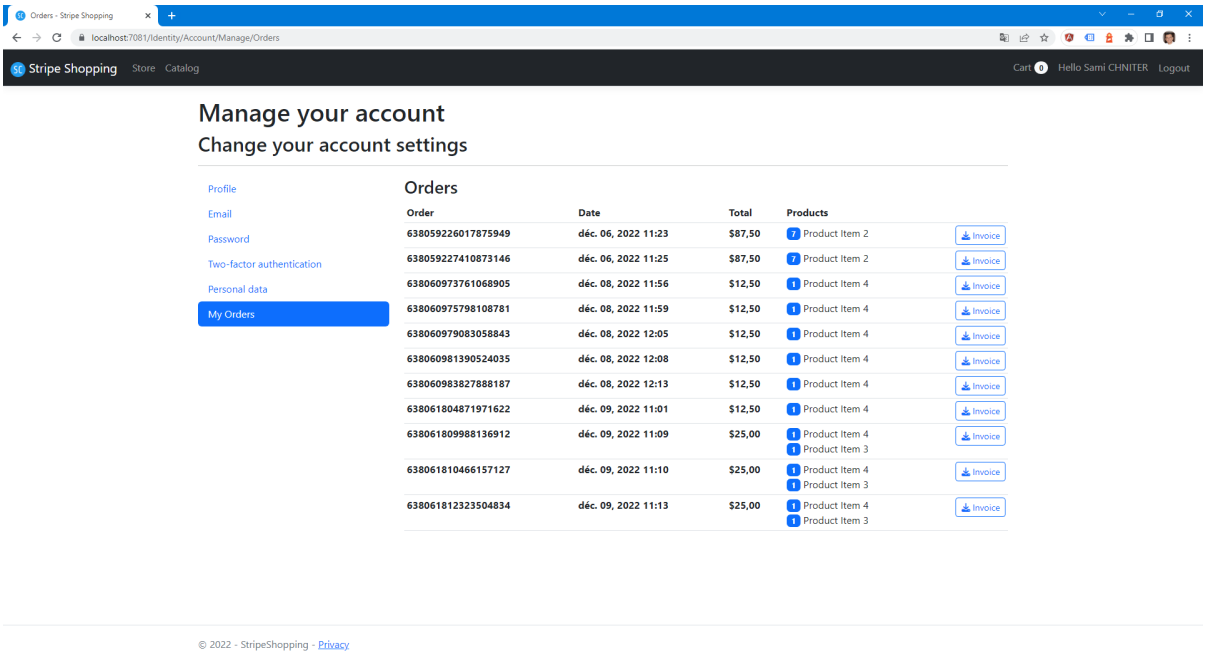

Orders - Stripe Shopping
Order
Fichier | C:/Users/sami.chniter/Downloads/638066360633439018%20(2).pdf
Order
1 / 1
100%
Invoice
225 × 50
SC Shopping Store
01 ABC Road,
Room 2121, 19A, OPERA Building,
Wan Chai, Hong Kong
Email: admin@domain.com
Web Site: https://www.domain.com
BILLED TO
Sami CHNITER
DEV
8 rue OPTI
Appt
Le perreux sur marne 94170, France
0612345678
INVOICE NUMBER
638066360633439018
DATE OF ISSUE
décembre 14, 2022
DESCRIPTION
UNIT COST
QTY
AMOUNT
Product Item 1
$ 18,00
3
$ 54,00
SUBTOTAL
$ 54,00
DISCOUNT
$ 0
(TAX RATE)
18%
TAX
$ 9,72
TERMS – Payment by Credit Card
INVOICE TOTAL
$ 63,72

1.8 Orders

To consult your orders, navigate to your profile and go to the last Tab “My Orders”.

For each order you can download the attached invoice as PDF.