

PROJECT DEVELOPMENT PHASE

SPRINT 2

Date	13 November 2022
Team ID	PNT2022TMID54054
Project Name	Smart Fashion Recommender Application
Maximum Marks	20 Marks

SPRINT 2:

1. View Products Page
2. Add Products Page
3. Connect Add Products Page with DB2

CONNECT ADD PRODUCTS PAGE WITH DB2:

STEP 1: Create Table of Add Products in IBM DB2

STEP 2: Get Details from the Add Products

STEP 3: Push the Product Images into Bucket

STEP 4: Directed to the Home Page of View Products

CODE

FILE 1: Add Product.html

```
add_product.html
1 <!DOCTYPE html>
2 <html>
3
4 <head>
5 <title> Purple Sparks </title>
6 <link rel="icon" type="image/x-icon" href="static/images/favicon.ico">
7 </head>
8
9 <link rel="stylesheet" type="text/css" href="static/css/add_food_items.css">
10 <link rel="stylesheet" type="text/css" href="static/css/style_index.css">
11 <link rel="stylesheet" type="text/css" href="static/css/bootstrap.min.css">
12 <link href="http://netdna.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" rel="stylesheet">
13
14 <body>
15
16 
17
18 <br><br><br>
19 <h2 class="head-of-offer">SESSION DEALS</h2><br>
20 <div class="index-offers-img">
21 <a href="categories.html"></a>
22 <a href="categories.html"></a>
23 <a href="categories.html"></a>
24 <a href="categories.html"></a>
25 </div>
26
27 <button onclick="topFunction()" id="myBtn" title="Go to top">
28 <span class="glyphicon glyphicon-chevron-up"></span>
29 </button>
30
31
32 <script type="text/javascript">
33 window.onscroll = function()
34 {
35 scrollFunction()
36 };
37
Hyper Text Markup Language file length: 7,974 lines: 215 Ln: 53 Col: 35 Pos: 1,761 Windows (CR LF) UTF-8 INS
```

FILE 2: Add Product.css

```
bootstrap.min.css
1 /*
2 * Bootstrap v3.3.6 (http://getbootstrap.com)
3 * Copyright 2011-2015 Twitter, Inc.
4 * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
5 *//*! normalize.css v3.0.3 | MIT License | github.com/necolas/normalize.css */
6 html{font-family:sans-serif;-webkit-text-size-adjust:100%;-ms-text-size-adjust:100%}
7 body{margin:0}article,aside,details,figcaption,figure,footer,header,hgroup,main,menu,nav,section,summary{display:block}
8 audio,canvas,progress,video{display:inline-block;vertical-align:baseline}
9 audio:not([controls]){display:none;height:0}[hidden],template{display:none}
10 a{background-color:transparent;a:active,a:hover{outline:0}abbr[title]{border-bottom:1px dotted}
11 b,strong{font-weight:700}dfn{font-style:italic}h1{margin:.67em 0;font-size:2em}mark{color:#000;background:#ff0}
12 small{font-size:80%}sub,sup{position:relative;font-size:75%;line-height:0;vertical-align:baseline}
13 sup{top:-.5em}sub{bottom:-.25em}img{border:0;svg:not(:root){overflow:hidden}figure{margin:1em 40px}
14 hr{height:0;-webkit-box-sizing:content-box;-moz-box-sizing:content-box;box-sizing:content-box}
15 pre{overflow:auto}code,kbd,pre,samp{font-family:monospace,monospace;font-size:1em}
16 button,input,optgroup,select,textarea{margin:0;font:inherit;color:inherit}
17 button{overflow:visible}button,select{text-transform:none}button,html
18 input[type=button],input[type=reset],input[type=submit]{-webkit-appearance:button;cursor:pointer}
19 button[disabled],html input[disabled]{cursor:default}button::-moz-focus-inner,
20 input::-moz-focus-inner{padding:0;border:0}input{line-height:normal}
21 input[type=checkbox],input[type=radio]{-webkit-box-sizing:border-box;-moz-box-sizing:border-box;
22 box-sizing:border-box;padding:0}input[type=number]::-webkit-inner-spin-button,
23 input[type=number]::-webkit-outer-spin-button{height:auto}input[type=search]
24 {-webkit-box-sizing:content-box;-moz-box-sizing:content-box;box-sizing:content-box;
25 -webkit-appearance:textfield}input[type=search]::-webkit-search-cancel-button,
26 input[type=search]::-webkit-search-decoration{-webkit-appearance:none}
27 fieldset{padding:.35em .625em .75em;margin:0 2px;border:1px solid silver}
28 legend{padding:0;border:0}textarea{overflow:auto}optgroup{font-weight:700}
29 table{border-spacing:0;border-collapse:collapse}td,th{padding:0}
30 /*! Source: https://github.com/h5bp/html5-boilerplate/blob/master/src/css/main.css */
31 @media print{*,:after,:before{color:#000!important;text-shadow:none!
32 important;background:0 0 !important;-webkit-box-shadow:none!important;box-shadow:none!important}a,a:visited{text-decoration:underline}a[href]
```

FILE 3: View Product.html

```
app.py
1 from flask import Flask,render_template,request,redirect,url_for,session
2 import ibm_db
3 import bcrypt
4 import secrets
5 from turtle import title
6 from unicodedata import category
7 import base64
8 from PIL import Image
9 import io
10 import datetime
11 import os
12 from urllib.parse import urlparse
13 from flask import Flask
14 from flask_mail import Mail, Message
15 import smtplib
16 import socket
17 import ssl
18 from email.message import EmailMessage
19
20 conn=ibm_db.connect("DATABASE=b1udb;HOSTNAME=b1bc1829-6f45-4cd4-bef4-10cf081900bf.clogj3sd0tgtu01qde00.databases.appdomain.cloud;PORT=32304;S
21 #url_for('static', filename='style.css')
22
23
24 app = Flask(__name__)
25 app.secret_key = b'_5#y2L"F4Q8z\n\xec)/'
26
27 email_sender = 'sparkspurple7@gmail.com'
28 email_password = 'aospfzlnxtndjtox'
29
30
31
32
```

Python file length: 7,728 lines: 233 Ln: 47 Col: 34 Pos: 1,365 Windows (CR LF) UTF-8 INS

FILE 4: View Product.css

```
style.css
70 =====*/
71 * { -webkit-box-sizing: border-box; -moz-box-sizing: border-box; box-sizing: border-box; }
72 *, ::before, ::after { box-sizing: border-box; -webkit-box-sizing: border-box; }
73 html { overflow: hidden; overflow-y: auto; }
74 body { font-size: 13px; line-height: 1.5; -webkit-font-smoothing: antialiased; -moz-osx-font-smoothing: grayscale; font-family: "Poppins", Helvet
75 article, aside, details, figcaption, figure, footer, header, nav, section, summary { display: block; }
76 audio, canvas, video { display: inline-block; }
77 audio:not([controls]) { display: none; height: 0; }
78 [hidden] { display: none; }
79 html, button, input, select, textarea { font-family: 'Poppins', sans-serif; }
80 input:focus, textarea:focus, select:focus { border-color: #edcfd3; }
81 input, textarea { padding: 10px 18px; }
82 select { -webkit-appearance: none; -moz-appearance: none; appearance: none; background-position: right center; background-image: url(../images/arr
83 background-position: right 10px center !important; line-height: 1.2; text-indent: 0.01px; text-overflow: ''; cursor: pointer; padding-bottom:
84
85 iframe { border: 0; width: 100%; }
86
87 a { color: #555555; text-decoration: none; -ms-transition: all 0.5s ease-in-out; -webkit-transition: all 0.5s ease-in-out; transition: all 0.5s ea
88 a:focus { outline: thin dotted; }
89 a:active, a:hover { color: #000; outline: 0; }
90 a:hover, a:focus { opacity: 0.8; }
91 a:hover { text-decoration: underline; }
92
93 p { margin: 0 0 24px; }
94 pre { background: #f5f5f5; color: #666; font-family: monospace; font-size: 14px; margin: 20px 0; overflow: auto; padding: 20px; white-space:
95 blockquote, q { -webkit-hyphens: none; -moz-hyphens: none; -ms-hyphens: none; hyphens: none; quotes: none; }
96 blockquote:before, blockquote:after, q:before, q:after { content: ""; content: none; }
97 blockquote { font-size: 18px; font-style: italic; font-weight: 300; margin: 24px 40px; }
98 blockquote blockquote { margin-right: 0; }
99 blockquote cite, blockquote small { font-size: 14px; font-weight: normal; text-transform: uppercase; }
100 blockquote em, blockquote i { font-style: normal; font-weight: 300; }
101 blockquote strong, blockquote b { font-weight: 400; }
```

Cascade Style Sheets File length: 127,652 lines: 1,665 Ln: 1 Col: 1 Pos: 1 Unix (LF) UTF-8 INS

FILE 5: PYTHON – App.py

```
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
<img alt="Screenshot of a web browser showing a search bar and a currency picker." data-bbox="111 102 886 341"/>
product-layout-1.html
1 <!DOCTYPE html>
2 <html class="no-js" lang="en">
3
4 <head>
5   <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
6   <meta http-equiv="x-ua-compatible" content="ie=edge">
7   <title>Purple Sparks</title>
8   <link rel="icon" type="image/x-icon" href="static/images/favicon.ico">
9   <meta name="description" content="description">
10  <meta name="viewport" content="width=device-width, initial-scale=1">
11  <!-- Favicon -->
12  <link rel="shortcut icon" href="static/assets/images/favicon.png" />
13  <!-- Plugins CSS -->
14  <link rel="stylesheet" href="static/assets/css/plugins.css">
15  <!-- Bootstrap CSS -->
16  <link rel="stylesheet" href="static/assets/css/bootstrap.min.css">
17  <!-- Main Style CSS -->
18  <link rel="stylesheet" href="static/assets/css/style.css">
19  <link rel="stylesheet" href="static/assets/css/responsive.css">
20 </head>
21 <body class="template-product belle">
22   <div class="pageWrapper">
23     <!-- Search Form Drawer -->
24     <div class="search">
25       <div class="search_form">
26         <form class="search-bar" action="#">
27           <button class="go-btn search_button" type="submit"><i class="icon ann ann-search-1"></i></button>
28           <input class="search_input" type="search" name="q" value="" placeholder="Search entire store..." aria-label="Search" autocomplete="off">
29         </form>
30         <button type="button" class="search-trigger close-btn"><i class="icon ann ann-times-1"></i></button>
31       </div>
32     </div>
33     <!-- End Search Form Drawer -->
34     <!-- Top Header -->
35     <div class="top-header">
36       <div class="container-fluid">
37         <div class="row">
38           <div class="col-10 col-sm-8 col-md-5 col-lg-4">
39             <div class="currency-picker">
40               <span class="selected-currency">USD</span>

```

Run App.py on Command Prompt

```
C:\Windows\System32\cmd.exe - python app.py
S:\Nalaiya Thiran\SFRS>python app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI s
erver instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with watchdog (windowsapi)
* Debugger is active!
* Debugger PIN: 997-134-709
127.0.0.1 - - [14/Nov/2022 22:06:13] "GET / HTTP/1.1" 302 -
127.0.0.1 - - [14/Nov/2022 22:06:15] "GET /index HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:06:20] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [14/Nov/2022 22:06:22] "GET /static/about.png HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 22:06:22] "GET /static/cart.png HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 22:06:22] "GET /static/chatbot.png HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 22:06:23] "GET /static/background.png HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 22:07:25] "GET /login HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:07:27] "GET /static/styles/style1.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:07:27] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [14/Nov/2022 22:07:33] "GET /register HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:07:34] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:39:39] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:39:39] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:39:39] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:39:39] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:39:39] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:56:40] "POST /register HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:56:59] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:57:01] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [14/Nov/2022 22:58:34] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:58:34] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 22:58:34] "GET /static/styles/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:05:43] "GET /login HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:05:48] "GET /static/styles/style1.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:05:50] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [14/Nov/2022 23:06:32] "GET /static/styles/style1.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:06:32] "GET /static/styles/style1.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:06:32] "GET /static/styles/style1.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:06:33] "GET /static/styles/style1.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:09:05] "GET /admin HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:09:08] "GET /static/style1.css HTTP/1.1" 404 -
127.0.0.1 - - [14/Nov/2022 23:09:08] "GET /static/styles/style1.css HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 23:09:08] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [14/Nov/2022 23:10:40] "GET /login HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:10:46] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [14/Nov/2022 23:12:03] "GET /adminlogin HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:12:05] "GET /static/styles/style1.css HTTP/1.1" 304 -
127.0.0.1 - - [14/Nov/2022 23:12:14] "GET /admin HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 23:12:16] "GET /static/style1.css HTTP/1.1" 404 -
```

TEST SCENARIOS – ADD PRODUCTS

1. Create Product Table on DB2

The screenshot shows the IBM Db2 on Cloud web interface. The 'Tables' tab is selected, displaying a list of tables in the BPV31478 schema. The 'Table definition' panel on the right shows the structure of the 'CATEGORY' table.

Name	Schema	Properties
<input type="checkbox"/> ADMIN	BPV31478	...
<input type="checkbox"/> CATEGORY	BPV31478	...
<input type="checkbox"/> ORDERS	BPV31478	...
<input type="checkbox"/> ORDER_ITEM	BPV31478	...
<input type="checkbox"/> PRODUCT	BPV31478	...
<input type="checkbox"/> USER	BPV31478	...

Total: 6, selected: 0

Name	Data type	Nullable	Length	Scale
CID	INTEGER	N		0
NAME	VARCHAR	N	100	0

View data

2. Attributes of Product Table of IBM DB2

The screenshot shows the IBM Db2 on Cloud web interface. The 'Tables' tab is selected, and the 'PRODUCT' table is highlighted. The 'Table definition' panel on the right shows the structure of the 'PRODUCT' table.

Name	Schema	Properties
<input type="checkbox"/> ADMIN	BPV31478	...
<input type="checkbox"/> CATEGORY	BPV31478	...
<input type="checkbox"/> ORDERS	BPV31478	...
<input type="checkbox"/> ORDER_ITEM	BPV31478	...
<input checked="" type="checkbox"/> PRODUCT	BPV31478	...
<input type="checkbox"/> USER	BPV31478	...

Total: 6, selected: 1

Name	Data type	Nullable	Length	Scale
PID	INTEGER	N		0
CTD	INTEGER	N		0
PNAME	VARCHAR	N	100	0
PRICE	DOUBLE	N		0
STOCK	INTEGER	N		0
DESCRIPTION	VARCHAR	Y	256	0

View data

3. Admin Panel (Add Product Page)



4. Enter Valid Product Details



SESSION DEALS



SESSION DEALS



ADD PURPLE SPARKS

Product ID

Category ID

Product Name

Price

Stock

Description

Image Path

ADD PRODUCT



ADD PURPLE SPARKS

1

WOMEN

Cardi & Rave's Side Jacket

₹101

₹0

New Style's October F. & Green's Women's Blazer With Trendy Style

https://purple-sparks.com/.../cardi-raves-side-jacket.html

ADD PRODUCT



INSPIRED STYLES TO STEAL



INSPIRED STYLES TO STEAL



PURPLE SPARKS

ONLINE SHOPPING

Men
Women
Kids
Jewellery
Top & Shoes

USEFUL LINKS

Contact Us
FAQ
T&C
DM
Privacy Policy

100% ORIGINAL GUARANTEE

For all products, a guarantee of 100% originality.

RETURN WITHIN 30 DAYS

Of receiving the order.

GET FREE DELIVERY

For all orders above ₹1000.

PURPLE SPARKS

ONLINE SHOPPING

Men
Women
Kids
Jewellery
Top & Shoes

USEFUL LINKS

Contact Us
FAQ
T&C
DM
Privacy Policy

100% ORIGINAL GUARANTEE

For all products, a guarantee of 100% originality.

RETURN WITHIN 30 DAYS

Of receiving the order.

GET FREE DELIVERY

For all orders above ₹1000.

5. Push Product Images in Bucket of Cloud Storage

Storage / Cloud Object Storage-ju / **fashion5**

Transfers Details Actions...

Objects Configuration Permissions

Warning: All objects in this bucket have public view access.

If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads [Learn more](#)

Prefix filter

<input type="checkbox"/>	Object name	Archived ⓘ	Size	Last modified	
<input type="checkbox"/>	baby_cloths.jpg		124.8 KB	2022-11-02 8:42 PM	⋮
<input type="checkbox"/>	camelia-r... -big1.jpg		160.8 KB	2022-11-18 9:57 PM	⋮
<input type="checkbox"/>	camelia-r... -big10.jpg		79.4 KB	2022-11-18 9:58 PM	⋮
<input type="checkbox"/>	camelia-r... -big2.jpg		107.8 KB	2022-11-18 9:57 PM	⋮
<input type="checkbox"/>	camelia-r... -big3.jpg		181.4 KB	2022-11-18 9:57 PM	⋮
<input type="checkbox"/>	camelia-r... -big4.jpg		131.9 KB	2022-11-18 9:58 PM	⋮
<input type="checkbox"/>	camelia-r... -big5.jpg		203.7 KB	2022-11-18 9:58 PM	⋮
<input type="checkbox"/>	camelia-r... -big6.jpg		85.9 KB	2022-11-18 9:58 PM	⋮
<input type="checkbox"/>	camelia-r... -big7.jpg		86.7 KB	2022-11-18 9:58 PM	⋮
<input type="checkbox"/>	camelia-r... -big8.jpg		85.7 KB	2022-11-18 9:58 PM	⋮

Items per page: 10 1-10 of all items page 1

Drag and drop files (objects) here or click to upload

6. Product Data stored in IBM DB2

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

BPV31478.PRODUCT

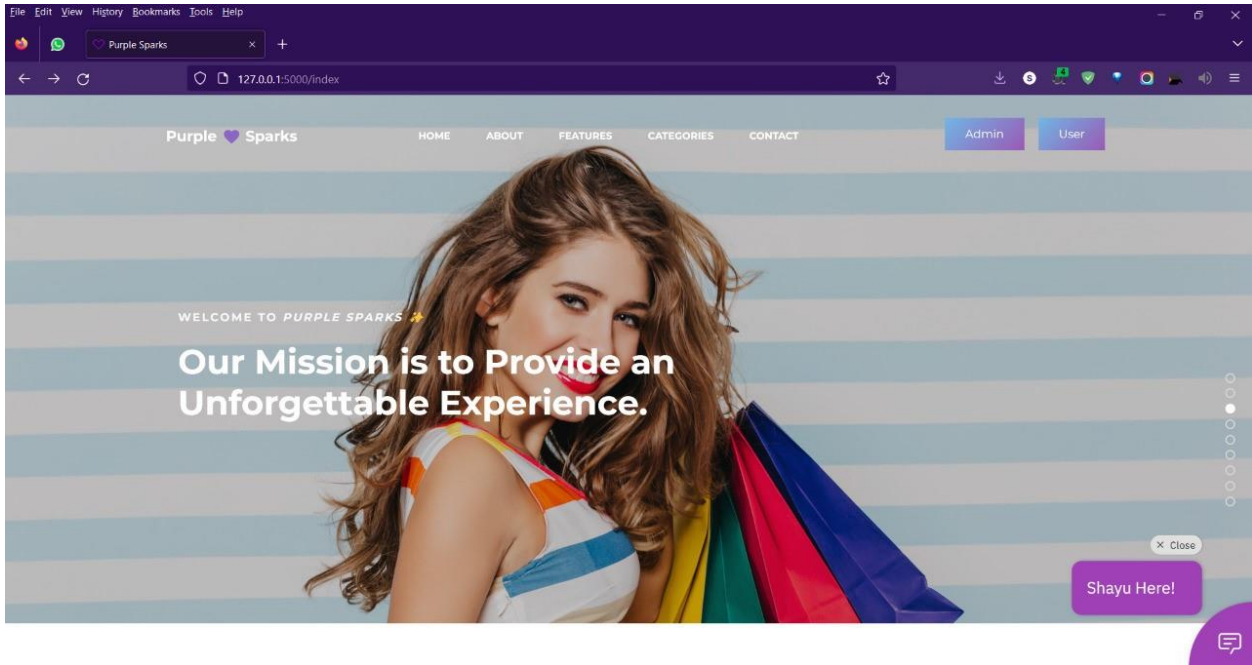
Back

Export to CSV

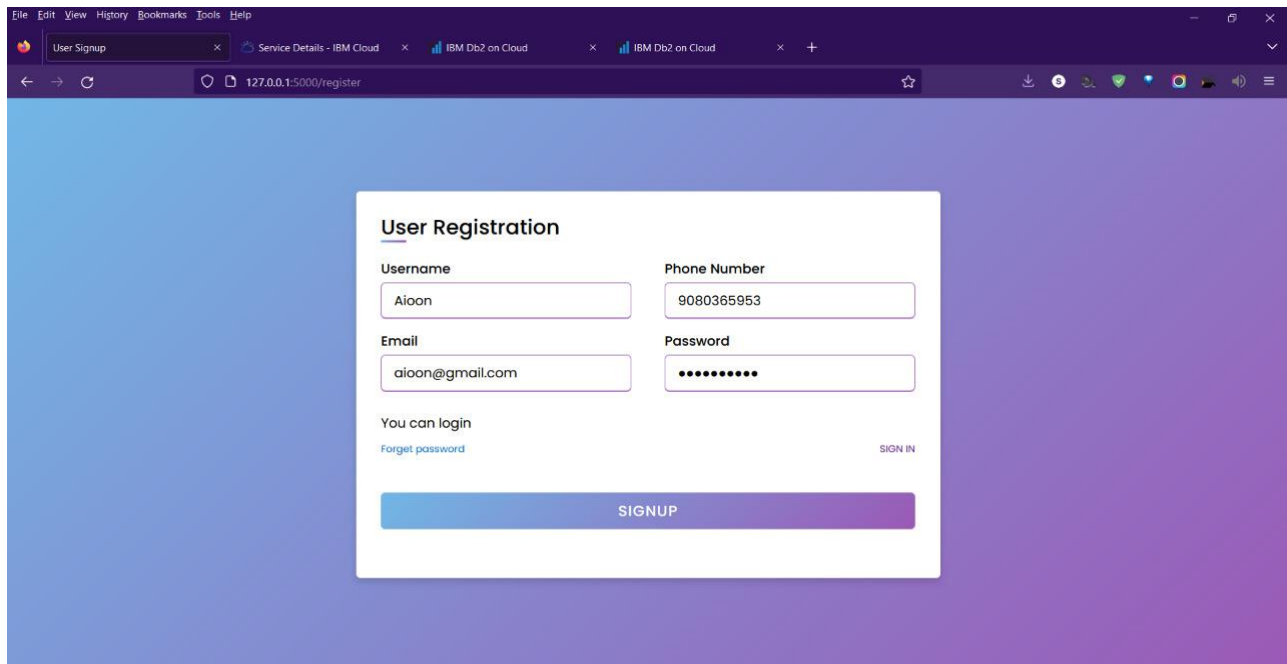
PID	CID	PNAME	PRICE	STOCK	DESCRIPTION	IMAGE
1	1	Camelia Reversible Jacket	500.0	50	New Stylish Wolver Full Sleeves Women Blazer With Trendy Style	https://fashion5.s3.jp-tok.cloud-object-storage.appdomain.cloud/camelia-reversible-big1.jpg

TEST SCENARIOS – VIEW PRODUCTS

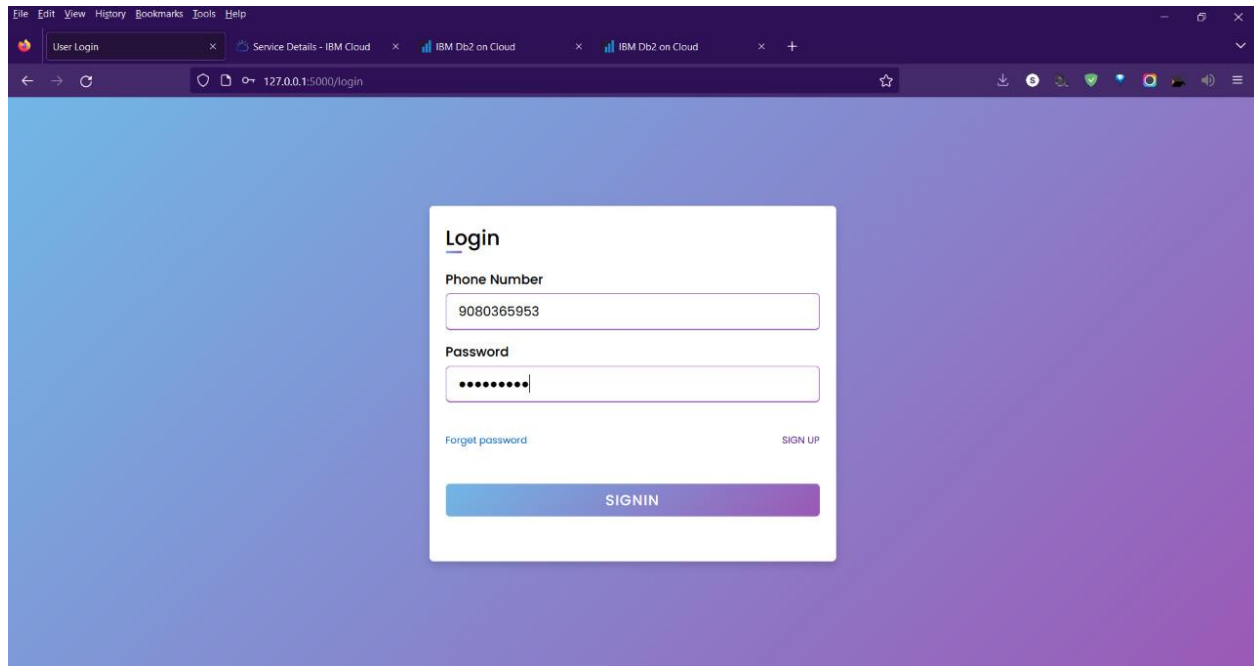
1. Purple Sparks (Index Page)



2. User Registration

A screenshot of a web browser displaying the "User Registration" form. The browser's address bar shows the URL "127.0.0.1:5000/register". The form is titled "User Registration" and contains four input fields: "Username" (with the value "Aioon"), "Phone Number" (with the value "9080365953"), "Email" (with the value "aioon@gmail.com"), and "Password" (with masked characters "*****"). Below the input fields, there is a link "You can login" and a link "Forget password". A "SIGN IN" link is located to the right of the "Forget password" link. At the bottom of the form, there is a large purple button labeled "SIGNUP".

3. User Login



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:5000/login". The page features a login form with the following elements:

- Login** (Section Header)
- Phone Number** (Label) with an input field containing "9080365953".
- Password** (Label) with an input field containing "*****".
- [Forget password](#) (Link)
- [SIGN UP](#) (Link)
- SIGNIN** (Button)

4. Purple Sparks (Home Page)

