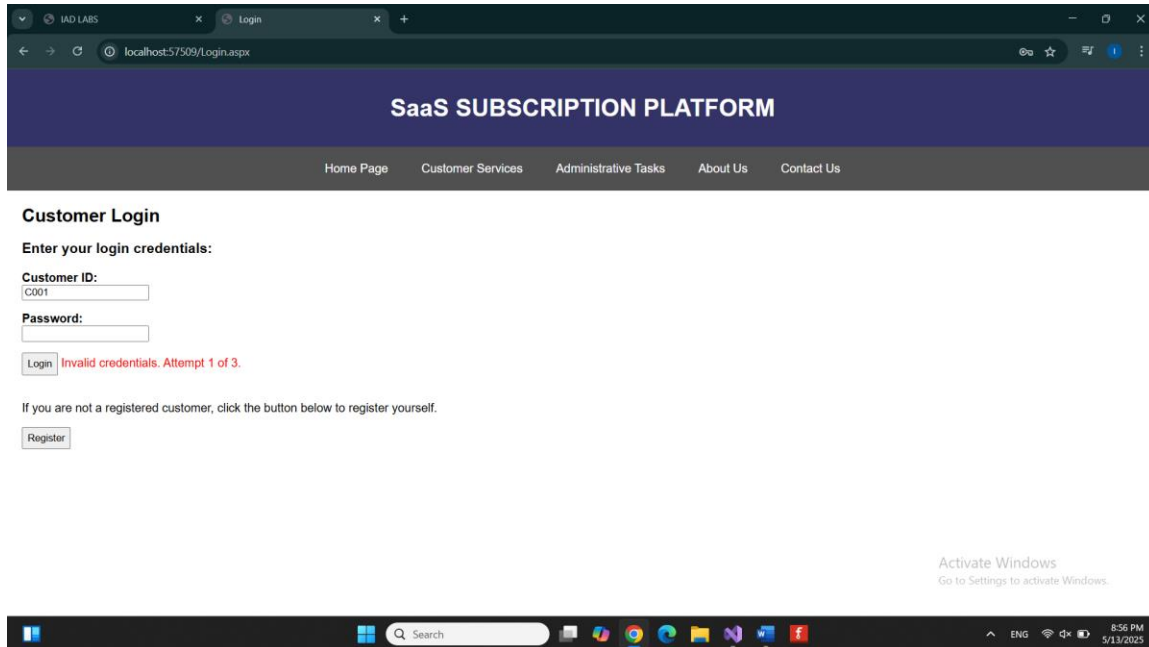


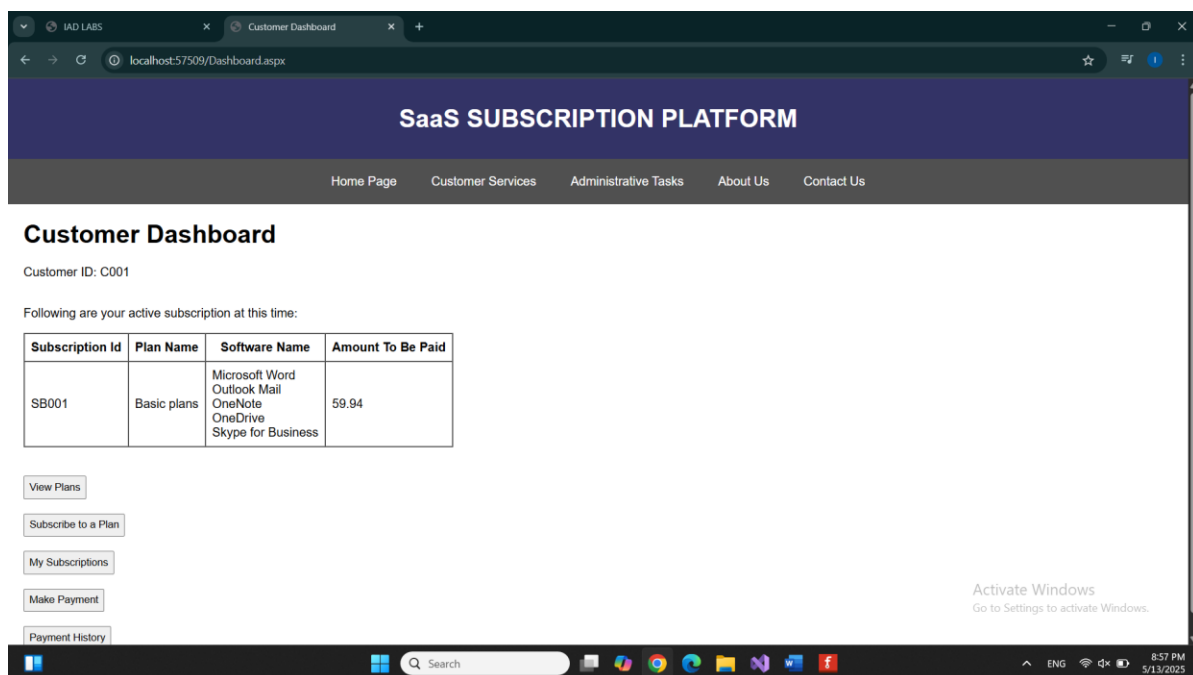
TEST CASES FOR SECURITY FEATURES

Authentication System

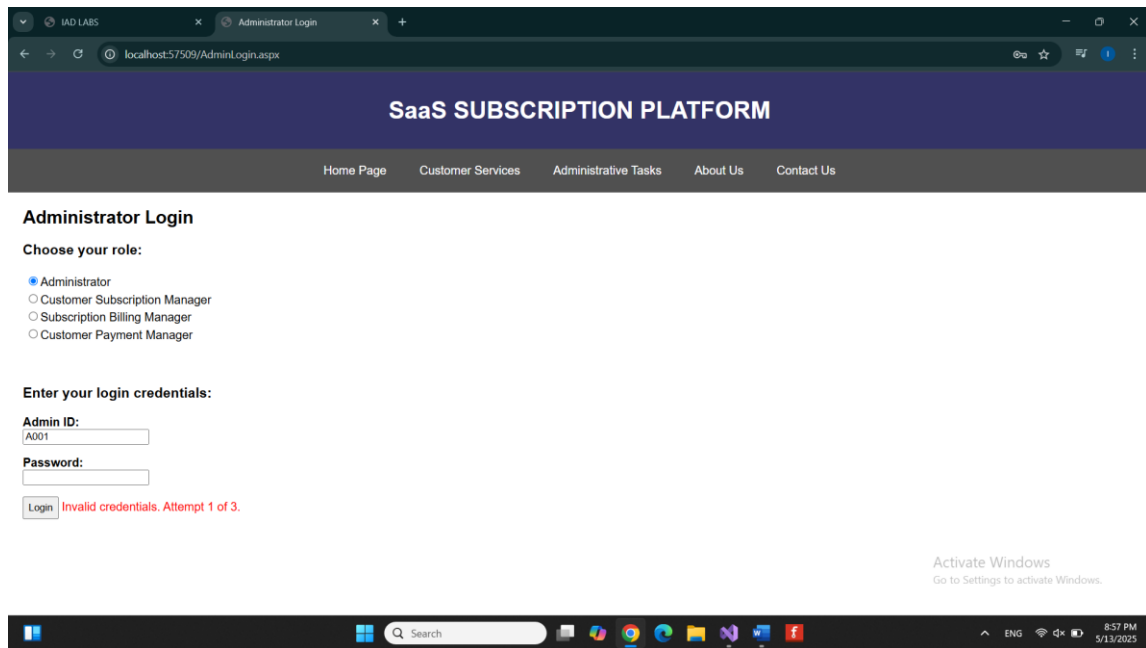
Customer trying to login with invalid credentials



Correct credentials entered

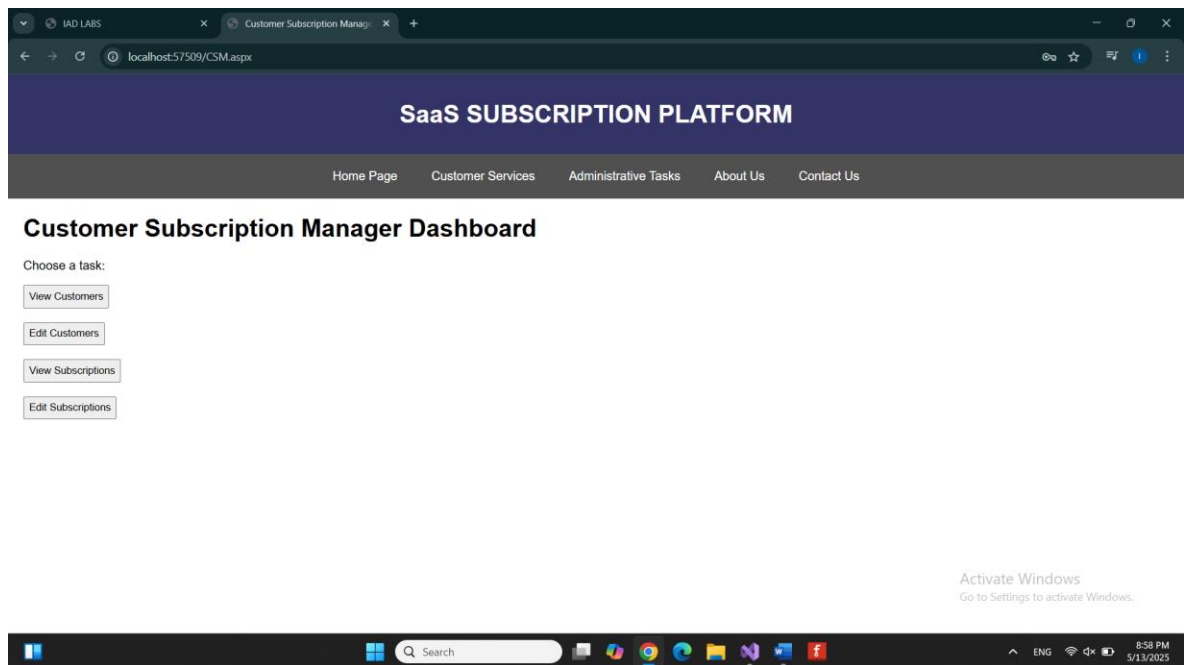


Admin trying to login with invalid credentials



The screenshot shows a web browser window with the address bar displaying `localhost:57509/AdminLogin.aspx`. The page title is "SaaS SUBSCRIPTION PLATFORM". Below the title is a navigation bar with links: Home Page, Customer Services, Administrative Tasks, About Us, and Contact Us. The main content area is titled "Administrator Login" and contains a section "Choose your role:" with four radio buttons: Administrator (selected), Customer Subscription Manager, Subscription Billing Manager, and Customer Payment Manager. Below this is a section "Enter your login credentials:" with two input fields: "Admin ID:" (containing "A001") and "Password:". A "Login" button is present, and a red error message "Invalid credentials. Attempt 1 of 3." is displayed below the password field. The Windows taskbar at the bottom shows the time as 8:57 PM on 5/13/2025.

Correct credentials entered



The screenshot shows a web browser window with the address bar displaying `localhost:57509/CSM.aspx`. The page title is "SaaS SUBSCRIPTION PLATFORM". Below the title is a navigation bar with links: Home Page, Customer Services, Administrative Tasks, About Us, and Contact Us. The main content area is titled "Customer Subscription Manager Dashboard" and contains a section "Choose a task:" with four buttons: View Customers, Edit Customers, View Subscriptions, and Edit Subscriptions. The Windows taskbar at the bottom shows the time as 8:58 PM on 5/13/2025.

Each customer being shown his own data

The screenshot shows a web browser window with the URL `localhost:57509/Dashboard.aspx`. The page title is "SaaS SUBSCRIPTION PLATFORM". The navigation bar includes links for Home Page, Customer Services, Administrative Tasks, About Us, and Contact Us. The main content area is titled "Customer Dashboard" and displays "Customer ID: C002". Below this, it states "Following are your active subscription at this time:" and presents a table with the following data:

Subscription Id	Plan Name	Software Name	Amount To Be Paid
SB002	Standard plans	Microsoft Excel Microsoft Teams Microsoft Publisher Microsoft Access Yammer	159.92

Below the table, there are five buttons: "View Plans", "Subscribe to a Plan", "My Subscriptions", "Make Payment", and "Payment History". An "Activate Windows" watermark is visible in the bottom right corner of the dashboard area.

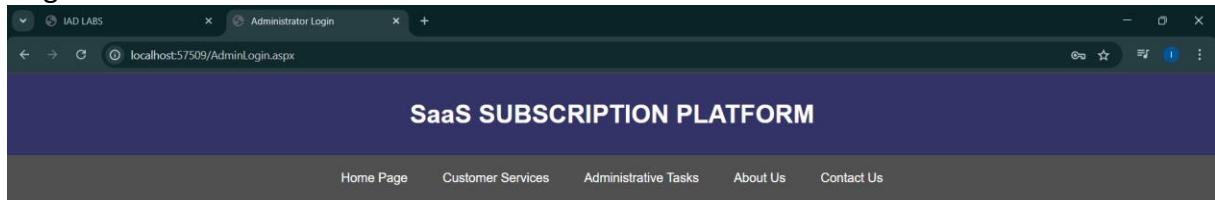
The screenshot shows a web browser window with the URL `localhost:57509/Dashboard.aspx`. The page title is "SaaS SUBSCRIPTION PLATFORM". The navigation bar includes links for Home Page, Customer Services, Administrative Tasks, About Us, and Contact Us. The main content area is titled "Customer Dashboard" and displays "Customer ID: C001". Below this, it states "Following are your active subscription at this time:" and presents a table with the following data:

Subscription Id	Plan Name	Software Name	Amount To Be Paid
SB001	Basic plans	Microsoft Word Outlook Mail OneNote OneDrive Skype for Business	59.94

Below the table, there are five buttons: "View Plans", "Subscribe to a Plan", "My Subscriptions", "Make Payment", and "Payment History". An "Activate Windows" watermark is visible in the bottom right corner of the dashboard area.

Role Based Access Control

Each role given access to his own data



Administrator Login

Choose your role:

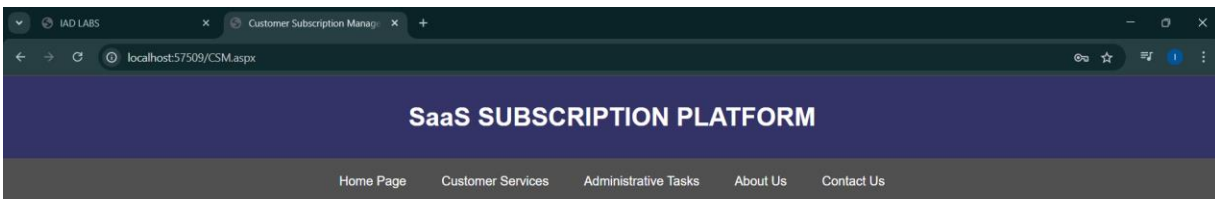
- ☐ Administrator
☒ Customer Subscription Manager
☐ Subscription Billing Manager
☐ Customer Payment Manager

Enter your login credentials:

Admin ID:

Password:

Activate Windows
Go to Settings to activate Windows.



Customer Subscription Manager Dashboard

Choose a task:

-

Activate Windows
Go to Settings to activate Windows.



The screenshot shows a web browser window with the URL `localhost:57509/AdminLogin.aspx`. The page has a dark blue header with the text "SaaS SUBSCRIPTION PLATFORM" and a navigation bar with links: Home Page, Customer Services, Administrative Tasks, About Us, and Contact Us. The main content area is titled "Administrator Login" and includes a "Choose your role:" section with radio buttons for Administrator (selected), Customer Subscription Manager, Subscription Billing Manager, and Customer Payment Manager. Below this is an "Enter your login credentials:" section with input fields for "Admin ID:" (containing "A002") and "Password:" (containing "*****"), and a "Login" button. An "Activate Windows" watermark is visible in the bottom right corner.

SaaS SUBSCRIPTION PLATFORM

Home Page Customer Services Administrative Tasks About Us Contact Us

Administrator Login

Choose your role:

- ☒ Administrator
- ☐ Customer Subscription Manager
- ☐ Subscription Billing Manager
- ☐ Customer Payment Manager

Enter your login credentials:

Admin ID:

Password:

Login

Activate Windows
Go to Settings to activate Windows.

The screenshot shows the same web browser window after a successful login. The URL is `localhost:57509/Admin.aspx`. The header and navigation bar are identical to the login page. The main content area is titled "Administrator Dashboard" and includes a "Choose a task:" section with buttons for View Managers, Edit Managers, Add Managers, View Login Credentials, Edit Login Credentials, and Add Login Credentials. An "Activate Windows" watermark is visible in the bottom right corner.

SaaS SUBSCRIPTION PLATFORM

Home Page Customer Services Administrative Tasks About Us Contact Us

Administrator Dashboard

Choose a task:

- View Managers
- Edit Managers
- Add Managers
- View Login Credentials
- Edit Login Credentials
- Add Login Credentials

Activate Windows
Go to Settings to activate Windows.

Parameterized Queries

The attempt for SQL Injection to access an admin account has been neutralized because of the parameterized query

SaaS SUBSCRIPTION PLATFORM

Home Page Customer Services Administrative Tasks About Us Contact Us

Customer Login

Enter your login credentials:

Customer ID:

Password:

Login Invalid credentials. Attempt 1 of 3.

If you are not a registered customer, click the button below to register yourself.

Register

Activate Windows
Go to Settings to activate Windows.

Input Validation

Password requirements

SaaS SUBSCRIPTION PLATFORM

Home Page Customer Services Administrative Tasks About Us Contact Us

Customer Registration

Email:

Password:

Name:

Cell No:

Country Code (2 Letters):

City:

Register

Back to Home Page

Password must be at least 6 characters long and contain at least one lowercase letter, one uppercase letter, and one digit.

Activate Windows
Go to Settings to activate Windows.

Required Field Validators

SaaS SUBSCRIPTION PLATFORM

Home Page Customer Services Administrative Tasks About Us Contact Us

Fill in the Details:

Select Subscription to Pay for:
No Subscriptions Available Select a Subscription!

Amount to Pay:
Select Payment Method:
Bank Transfer

Cell No:
Cell number is required!

Account Number:
Account number is required!

Pay Now
Payment History
Back to Dashboard

Activate Windows
Go to Settings to activate Windows.

Autogenerated Customer Id

SaaS SUBSCRIPTION PLATFORM

Home Page Customer Services Administrative Tasks About Us Contact Us

Customer Registration

Email:
test@gmail.com

Password:

Name:
Testing

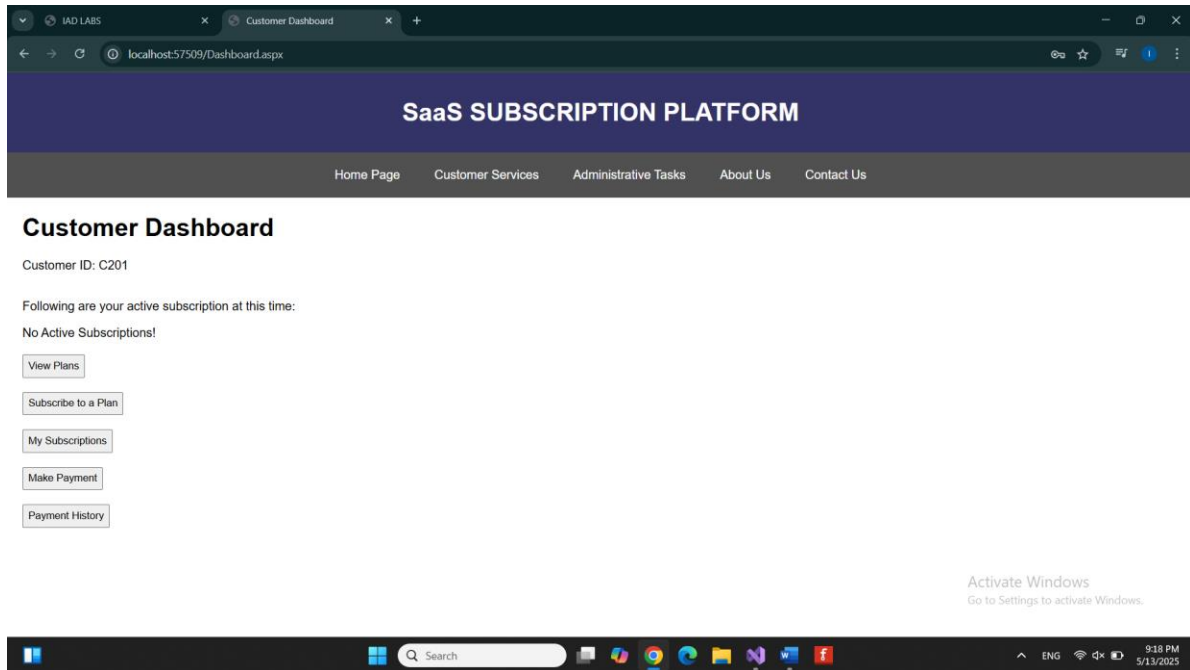
Cell No:
6816715

Country Code (2 Letters):
PK

City:
Karachi

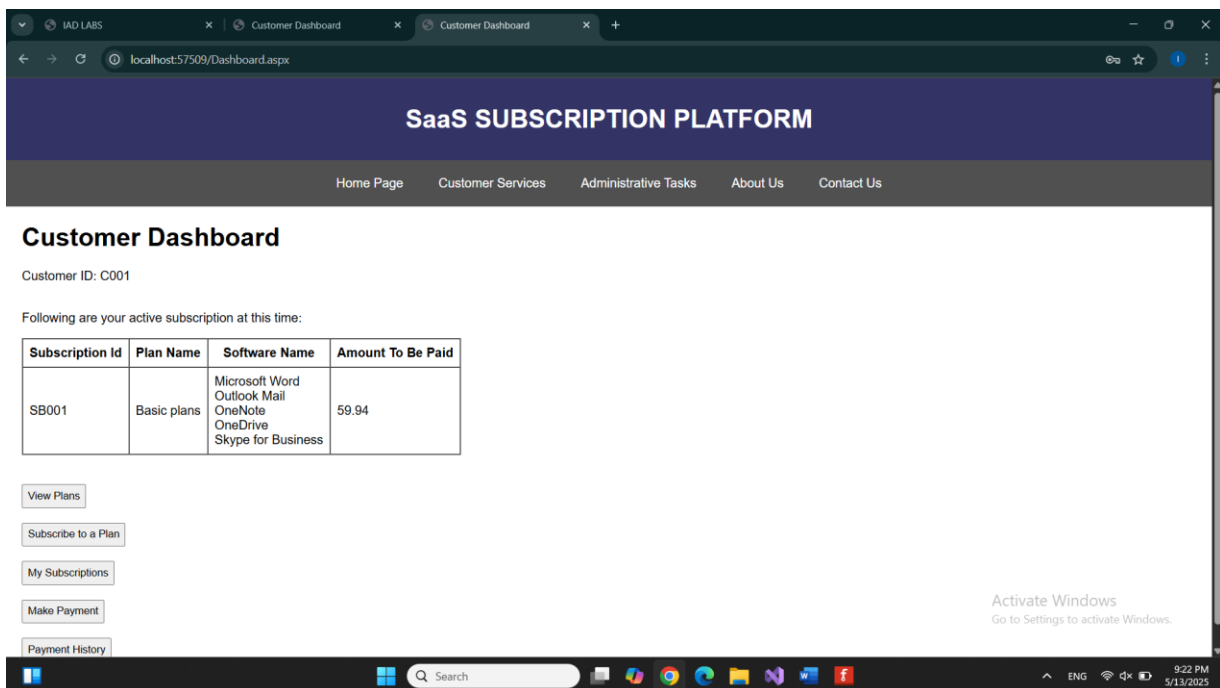
Register
Back to Home Page

Activate Windows
Go to Settings to activate Windows.



Cookie Management

For testing purposes, the expiration time has been set to 10 seconds. After the cookie expires, the already logged in account automatically redirects to Login page after clicking on any of the options.



SaaS SUBSCRIPTION PLATFORM

Home Page Customer Services Administrative Tasks About Us Contact Us

Customer Login

Enter your login credentials:

Customer ID:

Password:

Login

If you are not a registered customer, click the button below to register yourself.

Register

Activate Windows
Go to Settings to activate Windows.

Restricted Login Attempts

Attempting to login with more than 3 attempts

SaaS SUBSCRIPTION PLATFORM

Home Page Customer Services Administrative Tasks About Us Contact Us

Customer Login

Enter your login credentials:

Customer ID:

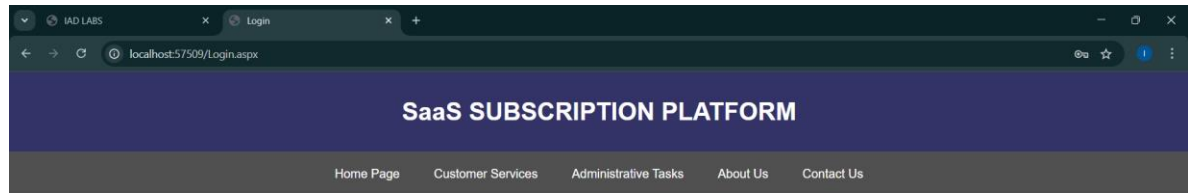
Password:

Login Invalid credentials. Attempt 1 of 3.

If you are not a registered customer, click the button below to register yourself.

Register

Activate Windows
Go to Settings to activate Windows.



Customer Login

Enter your login credentials:

Customer ID:

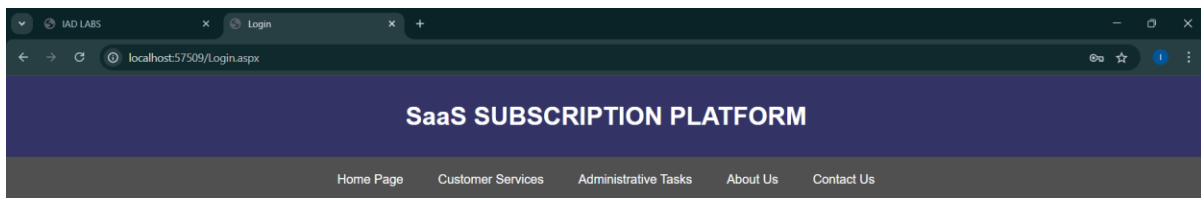
Password:

Login Invalid credentials. Attempt 2 of 3.

If you are not a registered customer, click the button below to register yourself.

Register

Activate Windows
Go to Settings to activate Windows.



Customer Login

Enter your login credentials:

Customer ID:

Password:

Login Too many failed attempts. Login disabled for 2 minutes.

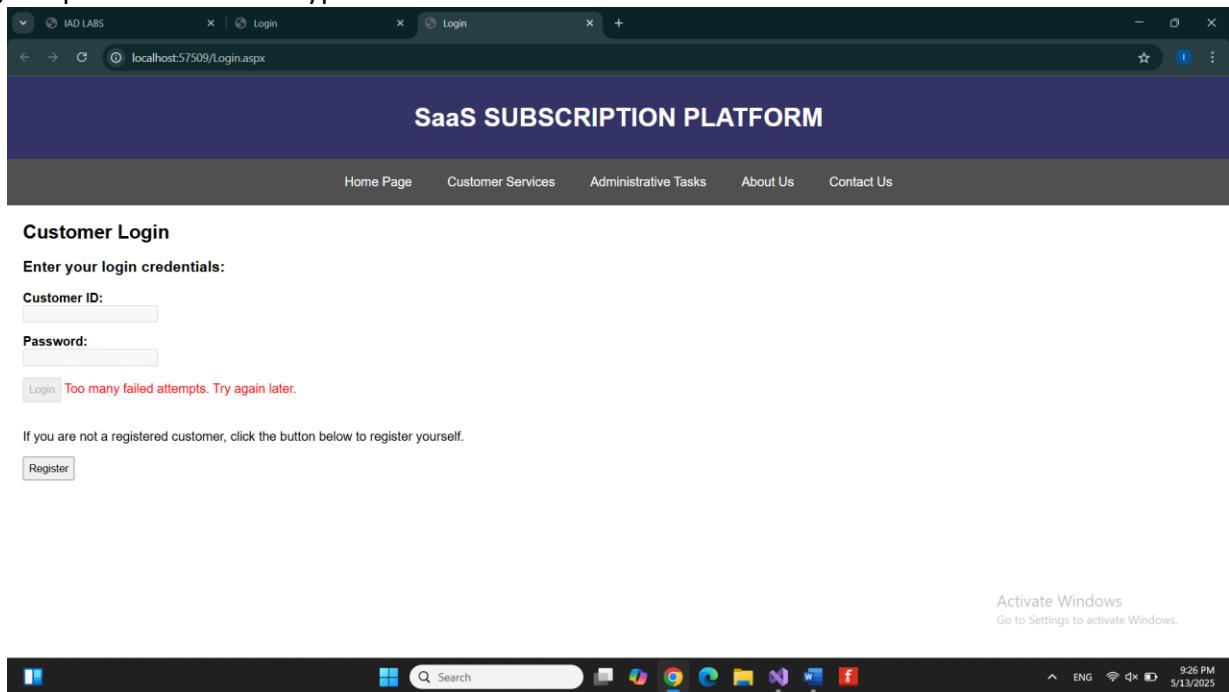
If you are not a registered customer, click the button below to register yourself.

Register

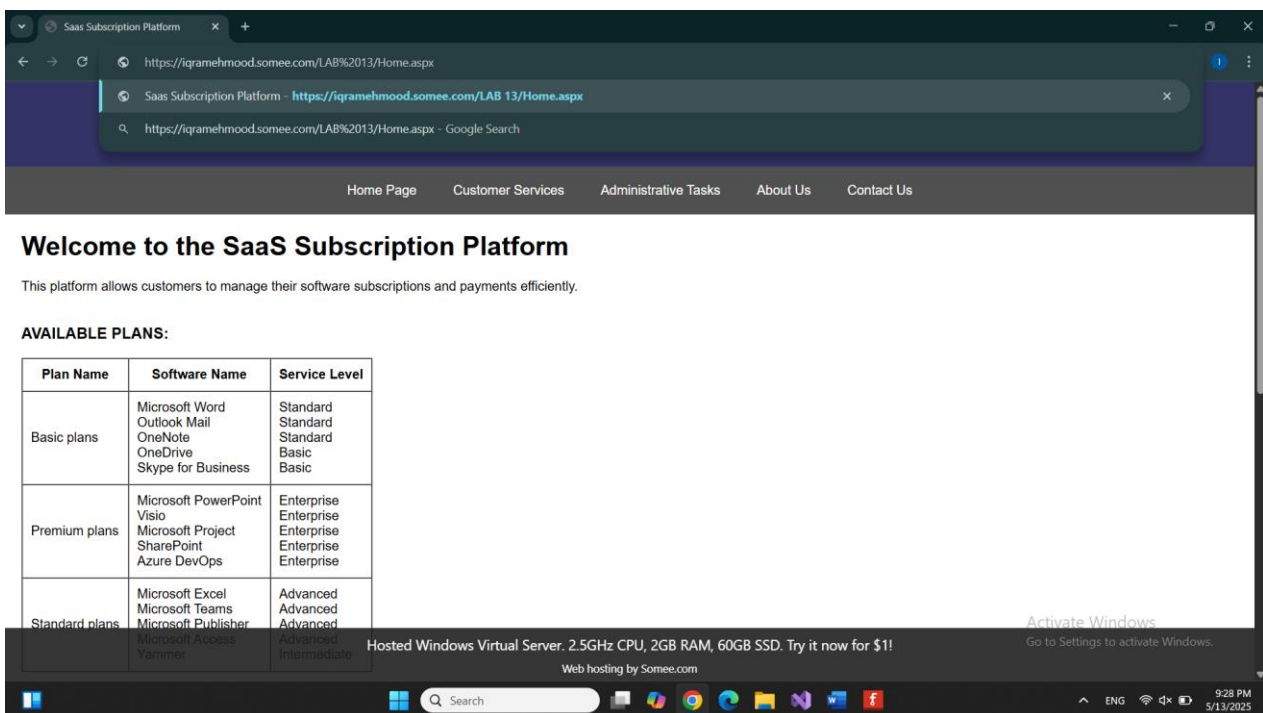
Activate Windows
Go to Settings to activate Windows.



Trying to open a new tab to bypass the disabled functionalities



HTTPS Encryption



The screenshot displays the SOMEe.com web application interface, specifically the 'Domains / Bindings' section. The browser address bar shows the URL: `somee.com/DOKA/DOU/Websites/Bindings?mpid=4878213&h1h2h3=f79f6779e8ff52644b42a3ba620ba103`. The application header includes the SOMEe.com logo, navigation links (Dashboard, Shop, Ask a question), a search bar, and a Log Out button. The left sidebar contains a menu with categories like Dashboard, Support tickets, Profile, Billing, SSL Certificates, Virtual servers, Websites, and a sub-menu for 'iqramehmood.somee.com' which includes File manager, Domains / Bindings (selected), IIS applications, IIS log viewer, Event viewer, and Delete. The main content area shows the 'Domains / Bindings' tab with a table listing domain bindings. The table has columns for Host (domain) name, Protocols, IP address, and SSL certificate. One binding is listed: 'iqramehmood.somee.com (Default)' with protocols 'HTTP, HTTPS' and IP address '155.254.244.34'. Below the table is a 'BIND NEW DOMAIN NAME' button. The Windows taskbar at the bottom shows the Start button, search bar, and various application icons. A copyright notice '© Copyright 2025 Doka management panel' is visible in the bottom right corner of the application area.

.../ Websites / iqramehmood.somee.com

Summary File manager **Domains / Bindings** IIS applications IIS log viewer Event viewer Delete

Host (domain) name	Protocols	IP address	SSL certificate
✓ iqramehmood.somee.com (Default)	HTTP, HTTPS	155.254.244.34	iqramehmood.somee.com (CRTID81924)

BIND NEW DOMAIN NAME

Activate Windows
Go to Settings to activate Windows.

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