Iqra Mehmood

## **TEST CASES FOR SECURITY FEATURES**

# Authentication System

Customer trying to login with invalid credentials

					RIPTION PL		a	
			3			AIFURI	4	
			Home Page	Customer Services	Administrative Tasks	About Us	Contact Us	
Customer	Login							
Enter your lo	ogin credenti	als:						
Customer ID: C001								
Password:								
Login Invalid c	redentials. Atter	mpt 1 of 3.						
If you are not a	registered custo	omer, click the button	below to register you	urself.				
Register								
								Activate Windows
								Go to Settings to activate V
			<b>=</b> Q	Search	) 💷 🛷 🧿 💽	📄 🔊 🖉	f	∽ ENG ବିସ
redentia		ered			-			
redentia		Customer Dashbo						
redentia	×	Customer Dashbo	bard X +					
redentia	×	Customer Dashbo	bard X +		RIPTION PL/			
redentia	×	Customer Dashbo	wid × + Sa					
redentia	x localhost:57509/	Customer Dashbo Dashboard.aspx	wid × + Sa	aS SUBSC	RIPTION PL/	ATFORM	Л	
redentia	× localhost:57509/ er Dash	Customer Dashbo Dashboard.aspx	wid × + Sa	aS SUBSC	RIPTION PL/	ATFORM	Л	
redentia	× localhost:57509/ er Dash	Customer Dashbo Dashboard.aspx	wid × + Sa	aS SUBSC	RIPTION PL/	ATFORM	Л	
redentia • HO LAS • → C • Customer Customer ID: C007	v Iocalhost:57509/ Per Dash 1 active subscrip	Customer Dashbo Dashboard.aspx	wid × + Sa	aS SUBSC Customer Services	RIPTION PL/	ATFORM	Л	
redentia	v Iocalhost-57509/ er Dash 1 active subscrip Plan Name	Customer Dashbo Dashboard.aspx Doashboard.aspx Doashboard.aspx Doashboard.aspx Doashboard.aspx Doashboard.aspx Doashboard.aspx Doashboard.aspx Doashboard.aspx Doashboard.aspx Doashboard.aspx	Amount To Be Pa	aS SUBSC Customer Services	RIPTION PL/	ATFORM	Л	
Customer ID: COOr Customer ID: COOr Collowing are your	ker Dash active subscrip Plan Name Basic plans	Customer Dashbo Dashboard.aspx Dashboard.aspx Doard Doard Doard Doard Microsoft Word OneDrive	Arrount To Be Page	aS SUBSC Customer Services	RIPTION PL/	ATFORM	Л	
redentia	ker Dash active subscrip Plan Name Basic plans	Caustomer Dashbo Dashboard.aspx Dashboard.aspx Doard Doard Doard Doard Software Name Microsoft Word Outlook Mail OneNote	Arrount To Be Page	aS SUBSC Customer Services	RIPTION PL/	ATFORM	Л	
Customer ID: COOr Subscription Id SB001	ker Dash active subscrip Plan Name Basic plans	Customer Dashbo Dashboard.aspx Dashboard.aspx Doard Doard Doard Doard Microsoft Word OneDrive	Arrount To Be Page	aS SUBSC Customer Services	RIPTION PL/	ATFORM	Л	
redentia	ker Dash active subscrip Plan Name Basic plans	Customer Dashbo Dashboard.aspx Dashboard.aspx Doard Doard Doard Doard Microsoft Word OneDrive	Arrount To Be Page	aS SUBSC Customer Services	RIPTION PL/	ATFORM	Л	
redentia	ker Dash active subscrip Plan Name Basic plans	Customer Dashbo Dashboard.aspx Dashboard.aspx Doard Doard Doard Doard Microsoft Word OneDrive	Arrount To Be Page	aS SUBSC Customer Services	RIPTION PL/	ATFORM	Л	
Customer Customer ID: C000 Subscription Id SB001	ker Dash active subscrip Plan Name Basic plans	Customer Dashbo Dashboard.aspx Dashboard.aspx Doard Doard Doard Doard Microsoft Word OneDrive	Arrount To Be Page	aS SUBSC Customer Services	RIPTION PL/	ATFORM	Л	⊀ Activate Window Go to Settings to activa

## Admin trying to login with invalid credentials

	SaaS SUE	<b>BSCRIPTION PL</b>	ATEORM	
	0000 301			
	Home Page Customer Serv	vices 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: A001				
Password:				
Login Invalid credentials. Attempt 1 of 3.				
				Activate Window Go to Settings to activ
	Q Search	- · · · · · · · · · · · · · · · · · · ·	? 🚞 刘 🖷 🚺	∽ ENG <sup>4</sup>
		_		

V S IAD LABS X S Customer Subscription Manage X +	- Ø X
← → C O localhost:57509/CSM.aspx	∞ ☆ ₹ 🚺 :
SaaS SUBSCRIPTION PLATFORM	
Home Page Customer Services Administrative Tasks About Us Contact Us	
Customer Subscription Manager Dashboard	
Choose a task:	
View Customers	
Edit Customers	
View Subscriptions	
Edit Subscriptions	
	Activate Windows Go to Settings to activate Windows.
💶 🗧 🔍 Search 📃 🖉 💇 🛄	ヘ ENG 奈 d× 配 8:58 PM 5/13/2025

## Each customer being shown his own data

▼ S IAD LABS	×	S Customer Dashboard	× +					- ð ×		
< → C (0)	localhost:57509/Da	shboard.aspx						☆ 🕫 🕕 🗄		
			SaaS	SUBSC	RIPTION PLA	TFORM	Λ			
		Н	ome Page Custo	mer Services	Administrative Tasks	About Us	Contact Us			
Custome	r Dashb	oard								
Customer ID: C002	2									
Following are your	active subscriptio	n at this time:								
Subscription Id	Plan Name	Software Name	Amount To Be Paid							
SB002	Standard plans	Microsoft Excel Microsoft Teams Microsoft Publisher Microsoft Access Yammer	159.92							
View Plans										
Subscribe to a Plan										
My Subscriptions										
Make Payment								Activate Windows		
Payment History								Go to Settings to activate Windows.		
			Q Search		) 💷 🛯 🧕 💽	⊨ 🕺 🕯	🧧 🚦	ヘ ENG 奈 ⊄× ₪ 9:03 PM 5/13/2025		
V 🔄 IAD LABS		Customer Dashboard								
← → C O	localhost:57509/Das	shboard.aspx						@ ☆ ₹ 🚺 🗄		
			SaaS	SUBSC	RIPTION PL		/			
		Но	ome Page Custo	mer Services	Administrative Tasks	About Us	Contact Us			

#### **Customer Dashboard**

Customer ID: C001

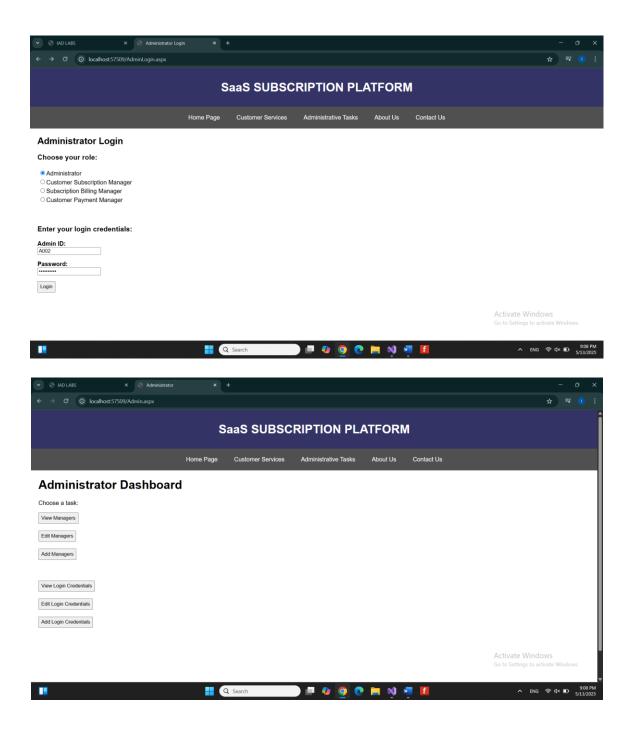
Following are your	active subscri	ption at this time:		
Subscription Id	Plan Name	Software Name	Amount To Be Paid	
SB001	Basic plans	Microsoft Word Outlook Mail OneNote OneDrive Skype for Business	59.94	
View Plans				
Subscribe to a Plan				
My Subscriptions				
Make Payment				Activate Windows Go to Settings to activate Windows.
Payment History				
			Q Searc	🔲 🕼 🧿 💽 📜 📢 🚾 🚹 🔹 🖍 eng 👳 d× 🗉 903 PM

## **Role Based Access Control**

### Each role given access to his own data

	Contact Us          Activate Windows         Contact Us         Image: Contact Us         Contact Us
	Activate Windows Go to Settings to activate Windows.
	Go to Settings to activate Windows.
	Go to Settings to activate Windows.
	Go to Settings to activate Windows.
ter of the server of the serve	Go to Settings to activate Windows.
e	Go to Settings to activate Windows.
Image: Contract Subscription Manager Dashboard   Subscription Manager Dashboard Subscription Manager Dashbo	Go to Settings to activate Windows.
Image	- 0 @ ☆ 택 1
MULAS Catomer Subcorption Manage     Catomer Services Administrative Tasks     About Us Contract        Mone Page Customer Services     Administrative Tasks About Us           Mone Page Customer Services     Administrative Tasks About Us                 Mone Page Customer Services        Mone Page Customer Services           Mone Page Customer Services <b>Mone Page Mone Page</b>	- 0 @ ☆ 택 1
Contract Contende Contract Contract Contract Contract Contract Contract Contrac	@ ☆ 팩 I
Marce Page       Outore Services       Administrative Tasks       Adout or Context         ustoomeens Subscription Manager Dashboard         ustoomeens         a custoomeens         a custoomeens         a custoomeens	
Home Page     Customer Services     Administrative Tasks     About Us     Contact   ustomers Ustomers Ustomers Ustoorphons Et Subscriptions	Contact Us
ustomer Subscription Manager Dashboard cose a task: w Customers a Customers w Subscriptions at Subscriptions	Contact Us
oose a task: w Customers # Subscriptions # Subscriptions	
w Customens w Subscriptions # Subscriptions	
If Customers w Subscriptions It Subscriptions	
w Subscriptions It Subscriptions	
if Subscriptions	
🚆 Q Search 💽 🖓 👰 🕐 🐂 🕅 🌌 🌠	
🚼 🔍 Search 🔲 🕼 👰 🥐 🧮 🔌 🖷 🚺	
🔛 Q Search 🔲 🖉 💇 🍋 💓 🖷 🚺	
🚼 🔍 Search 📄 🖉 💽 🕐 🐂 🔌 👼 🚺	
🔡 Q Search 🔲 🖉 💇 🔁 📢 🖷 🚺	Activate Windows Go to Settings to activate Windows.
💾 🔍 Search 🗾 🕼 🧐 💽 🔚 🔊 💆 ք	
	f = \$13

#### IAD LAB 13



## **Parameterized Queries**

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

IAD LABS	× 🕤 Login						
· → C () localhost	:57509/Login.aspx						© ☆ 🛱 🕕
		s	aaS SUBSC		ATFOR	Л	
						a TR	
		Home Page	Customer Services	Administrative Tasks	About Us	Contact Us	
Customer Login							
Enter your login crede	entials:						
Customer ID: A001'							
Password:							
Login Invalid credentials. A	Attempt 1 of 3.						
f you are not a registered c	customer, click the button	below to register you	urself.				
Register							
							Activate Windows Go to Settings to activate Windows.
No ma					water courses to		u u u
			Search	) 💷 🐠 🧕 💽	📜 🕺 🕴		∧ ENG 중 ⊄× ∎ 9:14 PM

## **Input Validation**

#### Password requirements

S IAD LABS X S Cutor	ner Registration × +					- o ×			
$\leftarrow$ $\rightarrow$ C (i) localhost:57509/CustRegister.	aspx					∞ ☆ ₹ 🚺 :			
SaaS SUBSCRIPTION PLATFORM									
	Home Page	Customer Services	Administrative Tasks	About Us	Contact Us				
Customer Registration Email: test@gmail.com Passwort: Name: Test Cell No: G816715 Custry Code (2 Letters): PK City: Karachi Register Back to Home Page	Password must be at least	6 characters long and c	ontain at least one lowerca:	se letter, one up;	percase letter, and one digit.				
						Activate Windows Go to Settings to activate Windows.			
	<b>II</b> (0)	Search	D 🖉 🔮 💽	🗎 🕺 🦉	E	∧ ENG ∲ ⊄× ₪ 917 PM 5/13/2025			

### Required Field Validators

S IAD LABS	×   🛞 Customer Dashboa		Payment				
$\rightarrow$ C () localhost:57	'509/MakePayment.aspx						* 🕚
		2	aas 50850	RIPTION PL	AIFUR	n	
		Home Page	Customer Services	Administrative Tasks	About Us	Contact Us	
ill in the Details:							
elect Subsciption to Pay f	or:						
No Subscriptions Available - Sel	ect a Subscription!						
mount to Pay:							
elect Payment Method:							
Bank Transfer 🗸							
ell No: Cell I	number is required!						
Acco	unt number is required!						
Pay Now							
Payment History							
Back to Dashboard							Activate Windows Go to Settings to activate Windows.

## Autogenerated Customer Id

✓ ③ IAD LABS × ○ Cutomer Registratio						
← → × ③ localhost:57509/CustRegister.aspx						@ ☆ 팩 🕕 :
	c		RIPTION PLA	TEOD		
	5					
	Home Page	Customer Services	Administrative Tasks	About Us	Contact Us	
Customer Registration						
Email:						
testt@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.
	<b>.</b>	Search				∽ ENG 중 d× ID 5/18 PM

$ \rightarrow$ C O localhost:57509/Dashboard.aspx						∞ ☆ 🔍 🗓 :
	s	aaS SUBSC	RIPTION PL/	ATFORM	Л	
	Home Page	Customer Services	Administrative Tasks	About Us	Contact Us	
Customer Dashboard						
Customer ID: C201						
ollowing are your active subscription at this time:						
Io Active Subscriptions!						
View Plans						
Subscribe to a Plan						
My Subscriptions						
Make Payment						
Payment History						
						Activate Windows Go to Settings to activate Windows.
	= 0	Search	) 💷 🤬 🧑 💽	_	f	∧ ENG 奈⊄× D 918 PM

## **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.

👻 🚳 IAD LABS		🗙   🎯 Customer Dashboi	ard 🗙 😒	Customer Dashboard							×
← → C (0)	localhost:57509,	/Dashboard.aspx							∞ ☆		÷
			Sa	aS SUBSC		ATFORM					Î
			Home Page	Customer Services	Administrative Tasks	About Us	Contact Us				
Custome	r Dash	board									
Customer ID: C001											
Following are your	active subscri	ption at this time:									
Subscription Id	Plan Name	Software Name	Amount To Be P	aid							
SB001	Basic plans	Microsoft Word Outlook Mail OneNote OneDrive Skype for Business	59.94								
View Plans											
Subscribe to a Plan											
My Subscriptions											
Make Payment								Activate Windo Go to Settings to acti			
Payment History											-
			<b>=</b> Q	Search	) 💷 🐠 🧕 오	📒 🕺 🕴	- <b>1</b>	▲ ENG	奈 d× 🗈	9:22 5/13/2	РМ 025

### Iqra Mehmood

### IAD LAB 13

💽 🎯 IAD LABS	× 🛛 🕲 Customer Dashboar	rd ×	🕤 Login	× +			- o ×
$\leftrightarrow$ $\Rightarrow$ $C$ $\bigcirc$ localhost	t:57509/Login.aspx						<b>☆</b> 0 :
		:	SaaS SUBSC	RIPTION PL	ATFORM	И	
		Home Page	Customer Services	Administrative Tasks	About Us	Contact Us	
Customer Login							
Enter your login crede	entials:						
Customer ID:							
Password:							
Login							
	customer, click the button belo	ow to register	yourself.				
Register							
							Activate Windows Go to Settings to activate Windows

# **Restricted Login Attempts**

Attempting to login with more than 3 attempts

▼ ③ IAD LABS × ⑤ Login				- o ×
$\leftrightarrow$ $\rightarrow$ C O localhost:57509/Login.aspx				∞ ☆ <u>0</u> :
	00.00			
	5aa5 50E	SCRIPTION PL	AIFORM	
	Home Page Customer Serv	vices 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.
				925 PM
	Q Search		📄 🕺 🖷 🔳	∧ ENG 중 ⊄× ₪ <sup>9:25</sup> PM 5/13/2025

### Iqra Mehmood

### IAD LAB 13

🔇 IAD LABS X 🔇 Login		- o ×
→ C O localhost:57509/Login.aspx		© ☆ 🕡 :
	SaaS SUBSCRIPTION PLATFORM	и
	Home Page Customer Services Administrative Tasks About Us	Contact Us
Customer Login		
Enter your login credentials:		
Customer ID: C001		
Password:		
Login Invalid credentials. Attempt 2 of 3.		
f you are not a registered customer, click the butto	a below to register yourself.	
Register		
		Activate Windows Go to Settings to activate Windows.
		Go to octaining to activate visitioning
	👭 🔍 Search 🛛 📮 🕼 🧕 🔁	■ <b>[</b> ] ^ ENG @ d× <b>1</b> 925 PM 5/13/2025
S IAD LABS × S Login		
→ C O localhost:57509/Login.aspx		© ☆ 🚺 :
	SaaS SUBSCRIPTION PLATFORI	м
	Saas SUBSCRIPTION PLATFOR	
	Home Page Customer Services Administrative Tasks About Us	Contact Us
ustomer Login		
nter your login credentials:		
ustomer ID: 001		
ssword:		
ogin Too many failed attempts. Login disabled for	2 minutes.	
you are not a registered customer, click the buttor	below to register yourself.	
		Activate Windows Go to Settings to activate Windows.
	🚦 🔍 Search 📃 📮 🐠 🕅	

### Trying to open a new tab to bypass the disabled functionalities

Image:		
Mome Page       Customer Services       Administrative Tasks       About Us       Contact Us	*	
Mome Page       Customer Services       Administrative Tasks       About Us       Contact Us		
Customer Login Enter your login credentials: Customer ID: Password: Image: To many failed attempts. Try again later. If you are not a registered customer, click the button below to register yourself. Register Activate Windows		
Enter your login credentials: Customer ID: Password: Image: Too many failed attempts. Try again later. If you are not a registered customer, click the button below to register yourself. Register Activate Windows		
Customer ID: Password: Too many failed attempts. Try again later. If you are not a registered customer, click the button below to register yourself. Register Activate Windows		
Password: Legn Too many failed attempts. Try again later. If you are not a registered customer, click the button below to register yourself. Register Activate Windows		
It you are not a registered customer, click the button below to register yourself. Register Activate Windows		
f you are not a registered customer, click the button below to register yourself. Register		
f you are not a registered customer, click the button below to register yourself. Register		
Register Activate Windows		
 Activate Windows		
	Windows.	
📕 🔍 Search 📃 🕼 🤷 🧕 🚺 🔹 🔺 ENG 👳 🕻	¢× ∎ 5/1	9:2 13/

# **HTTPS Encryption**

Saas Subscrip	tion Platform × +						
→ c s	https://iqramehmood.so	mee.com/LAB%2013/Home.a					
ه ا	Saas Subscription Platfor	rm - https://iqramehmood.s	omee.com/LAB 13/Home.asp				
c	k https://iqramehmood.so	mee.com/LAB%2013/Home.a	spx - Google Search				
		Home Page	Customer Services	Administrative Tasks	About Us	Contact Us	
	ws customers to manage		ion Platform ns and payments efficiently.				
Basic plans	Microsoft Word Outlook Mail OneNote OneDrive Skype for Business	Standard Standard Standard Basic Basic					
Premium plans	Microsoft PowerPoint Visio Microsoft Project SharePoint Azure DevOps	Enterprise Enterprise Enterprise Enterprise Enterprise					
Premium plans	Visio Microsoft Project SharePoint Azure DevOps Microsoft Excel Microsoft Teams	Enterprise Enterprise Enterprise					Activate Windows
	Visio Microsoft Project SharePoint Azure DevOps Microsoft Excel Microsoft Teams	Enterprise Enterprise Enterprise Advanced Advanced Advanced	Windows Virtual Server. 2. wei	5GHz CPU, 2GB RAM, 600	GB SSD. Try it n	ow for \$1!	Activate Windows Go to Settings to activate Windows.

### IAD LAB 13

<ul> <li>Saas Subscription Platform</li> </ul>	Domains / Bindings × +					- o ×
← → C 😁 somee.com/DOKA/DOU	J/Websites/Bindings?mpid=48782138	kh1h2h3=f79f6779e8ff5a	2644b42a3ba620ba103			* 🕛 :
SOMEE.com Dashboard		Q Search knowle				🖂 Log Out
Dashboard     Dashboar	/ Websites / iqramehmoo	d.somee.com				?
> 📮 Support tickets	Summary File manager	Domains / Bindings	IIS applications IIS lo	g viewer Event viewer	Delete	
> 🖉 Profile						
🗸 🔄 Billing	Host (domain) name					
Invoices	⊘ iqramehmood.somee.com (De	ault)	HTTP, HTTPS	155.254.244.34	iqramehmood.somee.com (CRTID81924)	≡
Payment methods						
	BIND NEW DOMAIN NAME					
SSL Certificates						
Free certificate orders						
Certificate signing requests						
> 🖄 Virtual servers	1					
Websites						
Greate website     Great						
<ul> <li>O iqramehmood.somee.com</li> </ul>						
🐻 File manager						
🔗 Domains / Bindings						
IIS applications						
IIS log viewer						
🖾 Event viewer					Activate W	
iii Delete						to activate Windows.
					© Сору	right 2025 Doka management panel
	<b>=</b> Q	Search	🔵 💷 👩	💽 🚞 📢 🖷	f ^	ENG