Shaheed Sukhdev College of Business Studies

University of Delhi

Post Graduate Diploma in Cyber Security and Law

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Insecure Design and Security Misconfiguration

It arises in the website, server when configuration is not properly configured. It is important to ensure that the application frameworks and server have secured settings We can access someones account information, unsecured files, unencrypted files

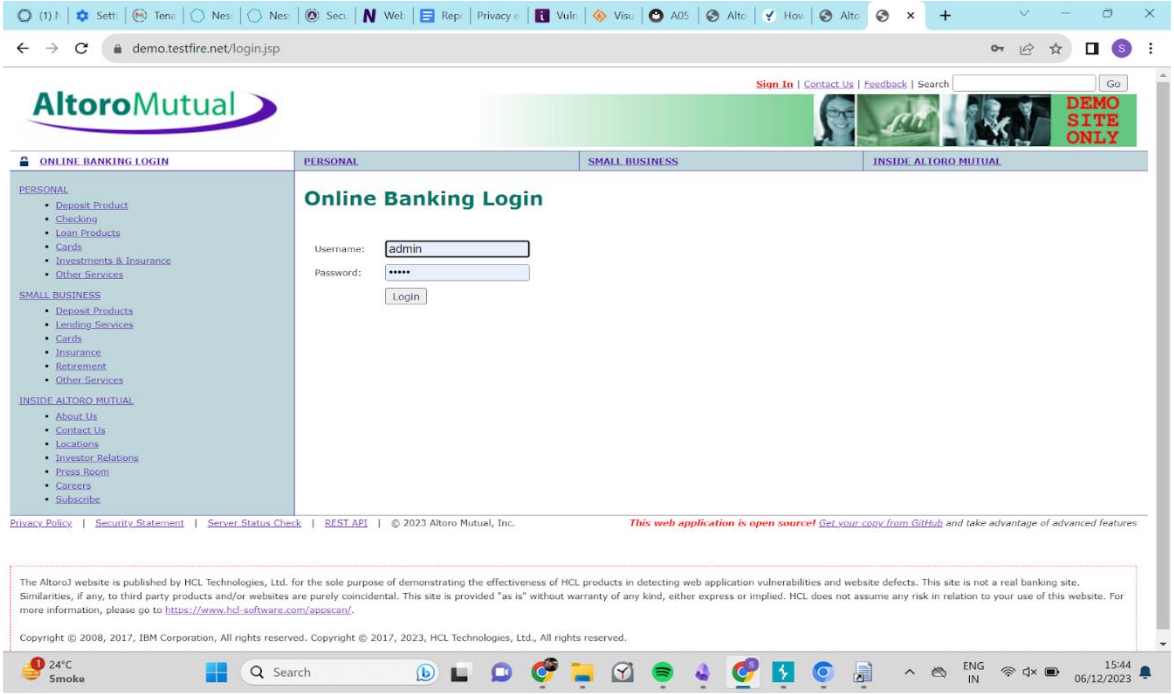
Preventions -
There should be a revealer test for the website security,there should be regular audits , we should avoid unused features

References-

1. https://www.aquasec.com/cloud-native-academy/supply-chain-security/security-misconfigurations/#:~:text=Prevent%20Security%20Misconfiguration-,What%20Is%20a%20Security%20Misconfiguration%3F,in%20cloud%20and%20network%20infrastructure.
2. https://owasp.org/Top10/A05_2021-Security_Misconfiguration/

POC

Steps 1 - open demo.testfire.net -> login -> login as username & pass ‘admin’ .
On the dashboard right click inspect -> storage -> go on cookies -> view the site -> copy the session -> paste in notepad -> go on any other browser like chrome -> open demo.testfire.net -> right click on screen -> go on inspect element -> go on application -> click on cookie - >select the cookies present -> delete it and paste the session id present in notepad -> close the window and reload the site



demo.testfire.net/login.jsp

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DEMO SITE ONLY

ONLINE BANKING LOGIN | PERSONAL | SMALL BUSINESS | INSIDE ALTORO MUTUAL

PERSONAL
- Deposit Product
- Checking
- Loan Products
- Cards
- Investments & Insurance
- Other Services

SMALL BUSINESS
- Deposit Products
- Lending Services
- Cards
- Insurance
- Retirement
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Online Banking Login

Username: admin

Password: •••••

Login

Privacy Policy | Security Statement | Server Status Check | REST API | © 2023 Altoro Mutual, Inc. *This web application is open source! Get your copy from GitHub and take advantage of advanced features*

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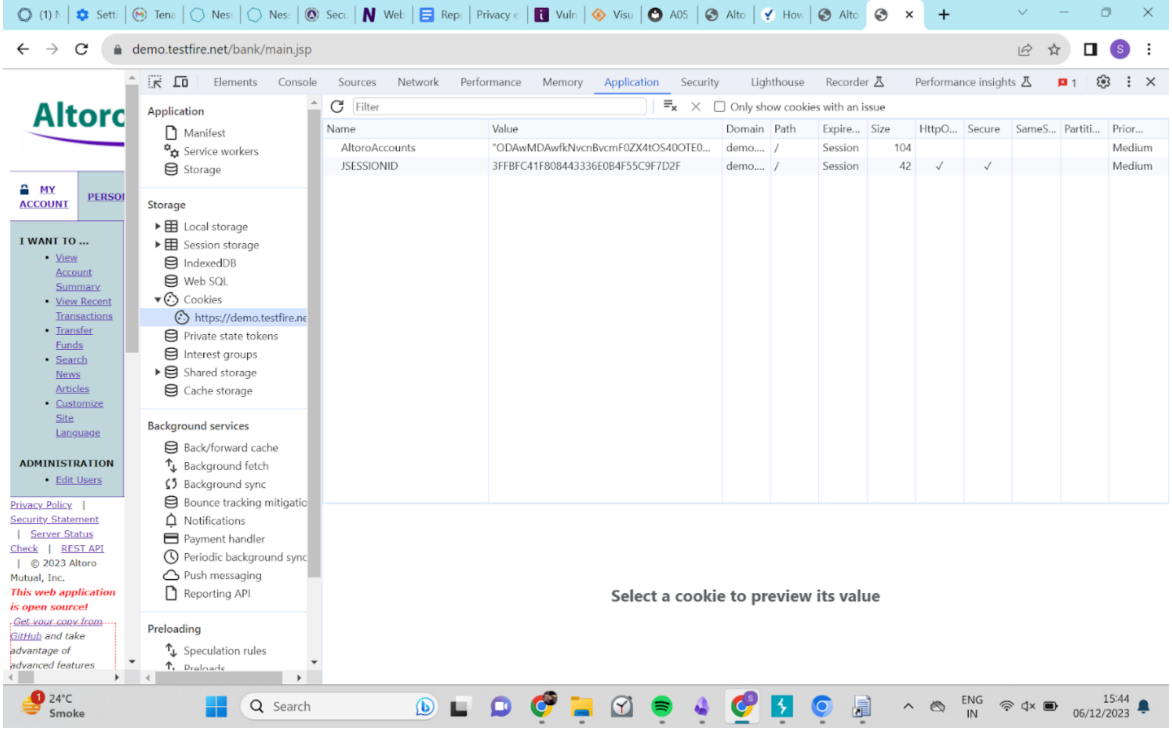


demo.testfire.net/bank/main.jsp

MY ACCOUNT | PERSO

I WANT TO ...
- View Account Summary
- View Recent Transactions
- Transfer Funds
- Search News Articles
- Customize Site Language

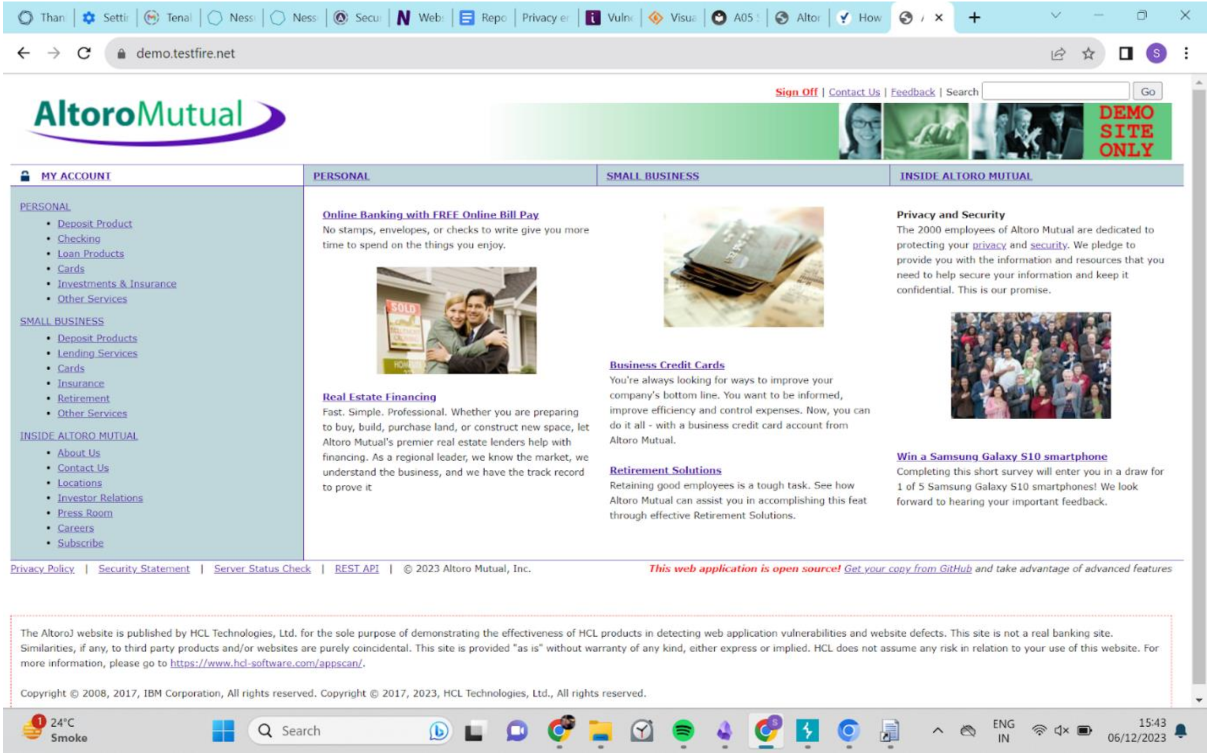
ADMINISTRATION
- Edit Users

Filter ☐ Only show cookies with an issue

Name	Value	Domain	Path	Expire...	Size	HttpO...	Secure	SameS...	Partiti...	Prior...
AltoroAccounts	"ODAwMDAwfkNvcnBvcmF0ZX4tOS40OTE0...	demo....	/	Session	104					Medium
JSESSIONID	3FFBFC41F808443336E0B4F55C9F7D2F	demo....	/	Session	42	✓	✓			Medium

Select a cookie to preview its value

Step 2 - login screen will present



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- Checking
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- Cards
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