

opentext™

kisa49

5/31/24

ikkb7

Executive Summary

Issues Overview

On May 31, 2024, a source code review was performed over the LoginProject code base. 15 files, 673 LOC (Executable) were scanned and reviewed for defects that could lead to potential security vulnerabilities. A total of 28 reviewed findings were uncovered during the analysis.

Issues by 49

<none>	16
04.01.	7
02.09.	1
01.11.	3
01.04.	1

Recommendations and Conclusions

The Issues Category section provides Fortify recommendations for addressing issues at a generic level. The recommendations for specific fixes can be extrapolated from those generic recommendations by the development group.

Project Summary

Code Base Summary

Code location: C:/Users/ikkb7/Fortify_SCA_Samples_24.2.0/advanced/javaWebApp/LoginProject
Number of Files: 15
Lines of Code: 673
Build Label: <No Build Label>

Scan Information

Scan time: 01:02
SCA Engine version: 24.2.0.0150
Machine Name: kbkim-surface4
Username running scan: ikkb7

Results Certification

Results Certification Valid

Details:

Results Signature:

SCA Analysis Results has Valid signature

Rules Signature:

There were no custom rules used in this scan

Attack Surface

Attack Surface:

Java Properties:

javax.servlet.ServletContext.getInitParameter

System Information:

null.null.null

javax.servlet.ServletContext.getInitParameter

Web:

null.null.null

Filter Set Summary

Current Enabled Filter Set:

Security Auditor View

Filter Set Details:

Folder Filters:

If [fortify priority order] contains critical Then set folder to Critical

If [fortify priority order] contains high Then set folder to High

If [fortify priority order] contains medium Then set folder to Medium
If [fortify priority order] contains low Then set folder to Low

Audit Guide Summary

Audit guide not enabled

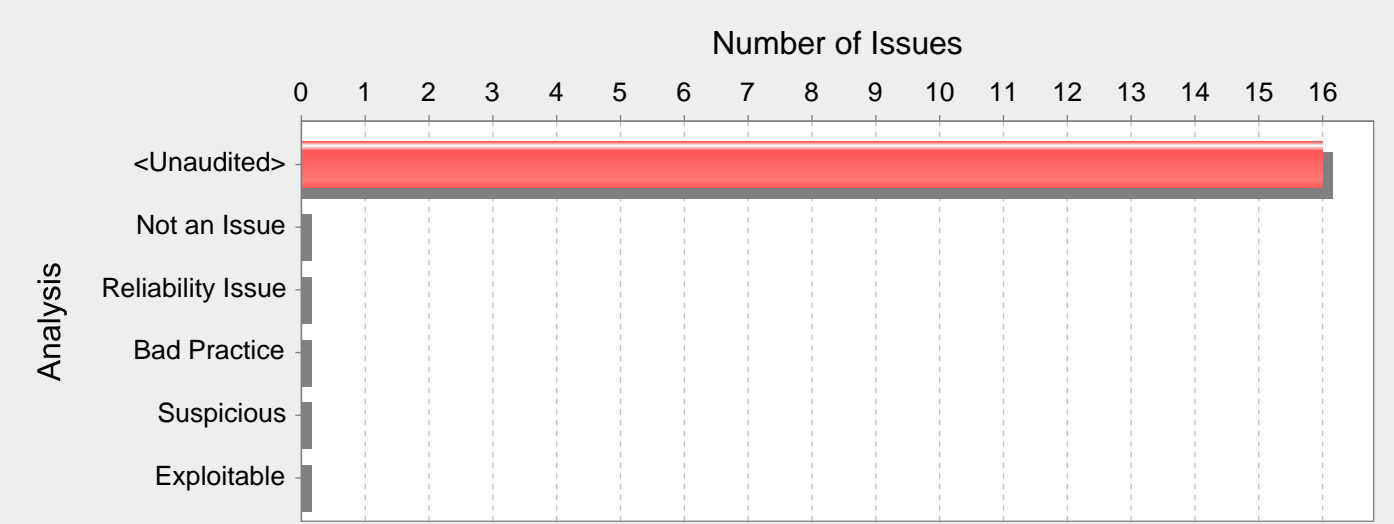
Results Outline

Overall number of results

The scan found 28 issues.

Vulnerability Examples by Category

49: <none> (16 Issues)



Abstract:

login.html 19 .

Explanation:

. . .

Recommendations:

. . . " " .

1: HTML form autocomplete off .

```
<form method="post" autocomplete="off">
Address: <input name="address" />
Password: <input name="password" type="password" />
</form>
```

2: autocomplete off .

```
<form method="post">
Address: <input name="address" />
Password: <input name="password" type="password" autocomplete="off"/>
</form>
```

autocomplete on . , .

registerServlet.java, line 64 (SQL Injection)

Fortify Priority:	Critical	Folder	Critical
Kingdom:	Input Validation and Representation		
Abstract:	registerServlet.java 64 doPost()	SQL .	SQL .
Source:	registerServlet.java:44 javax.servlet.ServletRequest.getParameter() 42 //doGet(request, response); 43 String sno = request.getParameter("Sno"); 44 String user = request.getParameter("LoginUser"); 45 String pass = request.getParameter("LoginPass"); 46 Connection conn = (Connection)(getServletContext().getAttribute("conn"));		
Sink:	registerServlet.java:64 java.sql.Statement.executeUpdate() 62 System.out.println("f = true");		

```
63         sql = "insert into user values('" + sno + "', '" + user + "', '" + pass + "')";
64         state.executeUpdate(sql);
65
66     }
```

web.xml, line 2 (J2EE Misconfiguration: Missing Error Handling)

Fortify Priority:	Low	Folder	Low
Kingdom:	Environment		

Abstract: .

Sink: web.xml:2 /web-app()

```
0      <?xml version="1.0" encoding="UTF-8"?>
1      <web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
2      xmlns="http://java.sun.com/xml/ns/javaee"
3      xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
4      http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" id="WebApp_ID" version="3.0">
5
6      <display-name>LoginProject</display-name>
7
8      <welcome-file-list>
```

registerServlet.java, line 62 (Poor Logging Practice: Use of a System Output Stream)

Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		

Abstract: println() .

Sink: registerServlet.java:62 FunctionCall: println()

```
60         if(f){
61             res = "true";
62             System.out.println("f = true");
63             sql = "insert into user values('" + sno + "', '" + user + "', '" + pass + "')";
64             state.executeUpdate(sql);
```

register.html, line 40 (Privacy Violation: Autocomplete)

Fortify Priority:	High	Folder	High
Kingdom:	Security Features		

Abstract: register.html 40 .

Sink: register.html:40

```
38         <span>: <input onmouseout = "UserCheck()" id="User" type="text" name="LoginUser"
39         ></input><p id="2"></p><br/><br/></span>
40         <span>: <input onmouseout = "PassCheck()" id="Pass" type="password"
41         name="LoginPass" ></input><br/><br/><p id="3"></p></span>
42         <span style="margin-left: 218px;">: <input onmouseout = "PassTwoCheck()" id =
43         "PassTwo" type="password" name="PassTwo" ></input><br/><br/><p id="4"></p></span>
44         <br/><br/><br/>
45         <span><input id = "submit" disabled style="width: 452px;color: #fff;background:
46         #999;" type="submit" value=""/></span>
```

LoginModel.java, line 9 (SQL Injection)

Fortify Priority:	Low	Folder	Low
Kingdom:	Input Validation and Representation		

Abstract: LoginModel.java 9 check() SQL . SQL .

Sink: LoginModel.java:9 executeQuery()

```
7      public String check(Connection conn, String user, String pass) throws SQLException{
8          state = conn.createStatement();
9          rs = state.executeQuery(sql);
10         while(rs.next()){
11             if(rs.getString(2).equals(user)){
```

MyContextListener.java, line 30 (Poor Logging Practice: Use of a System Output Stream)

Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		

Abstract: println() .

Sink: MyContextListener.java:30 FunctionCall: println()

```
28         Connection conn = DriverManager.getConnection(url, user, pass);
29         sc.setAttribute("conn", conn);
30         System.out.println("Connect Succeed!");
31     }
32     catch(Exception e){
```

login.jsp, line 28 (Privacy Violation: Autocomplete)

Fortify Priority:	High	Folder	High
Kingdom:	Security Features		
Abstract:	login.jsp 28 .		
Sink:	login.jsp:28		
26	<center>ç"æ·ç>â¼</center> 		
27	USER: <input type="text" name="user"></input> 		
28	PASS: <input type="password" name="pass"></input>		
29	 		
30	 		

registerServlet.java, line 64 (SQL Injection)

Fortify Priority:	Critical	Folder	Critical
Kingdom:	Input Validation and Representation		
Abstract:	registerServlet.java 64 doPost() SQL . SQL .		
Source:	registerServlet.java:45 javax.servlet.ServletRequest.getParameter()		
43	String sno = request.getParameter("Sno");		
44	String user = request.getParameter("LoginUser");		
45	String pass = request.getParameter("LoginPass");		
46	Connection conn = (Connection)(getServletContext().getAttribute("conn"));		
47	try{		
Sink:	registerServlet.java:64 java.sql.Statement.executeUpdate()		
62	System.out.println("f = true");		
63	sql = "insert into user values('" + sno + "', '" + user + "', '" + pass + "')";		
64	state.executeUpdate(sql);		
65			
66	}		

registerServlet.java, line 64 (SQL Injection)

Fortify Priority:	Critical	Folder	Critical
Kingdom:	Input Validation and Representation		
Abstract:	registerServlet.java 64	doPost()	SQL . SQL .
Source:	registerServlet.java:43 javax.servlet.ServletRequest.getParameter()		
41	// TODO Auto-generated method stub		
42	//doGet(request, response);		
43	String sno = request.getParameter("Sno");		
44	String user = request.getParameter("LoginUser");		
45	String pass = request.getParameter("LoginPass");		
Sink:	registerServlet.java:64 java.sql.Statement.executeUpdate()		
62	System.out.println("f = true");		
63	sql = "insert into user values('" + sno + "', '" + user + "', '" + pass + "')";		
64	state.executeUpdate(sql);		
65			
66	}		

MyContextListener.java, line 27 (Unsafe Reflection)

Fortify Priority:	Low	Folder	Low
Kingdom:	Input Validation and Representation		
Abstract:	MyContextListener.java 27 forName() . .		
Source:	MyContextListener.java:22 javax.servlet.ServletContext.getInitParameter()		
20	// TODO Auto-generated method stub		
21	ServletContext sc = event.getServletContext();		

```
22         String driver = sc.getInitParameter("driver");
23         String url = sc.getInitParameter("url");
24         String user = sc.getInitParameter("user");
Sink: MyContextListener.java:27 java.lang.Class.forName()
25         String pass = sc.getInitParameter("pass");
26         try{
27             Class.forName(driver);///, jdbc,
28             Connection conn = DriverManager.getConnection(url, user, pass);
29             sc.setAttribute("conn", conn);
```

register.html, line 39 (Privacy Violation: Autocomplete)

Fortify Priority:	High	Folder	High
Kingdom:	Security Features		
Abstract:	register.html 39 .		
Sink:	register.html:39		
37	: <input onmouseout = "SnoCheck()" id="Sno" type="text" name="Sno" /><p id="1"></p> 		
38	: <input onmouseout = "UserCheck()" id="User" type="text" name="LoginUser" ></input><p id="2"></p> 		
39	: <input onmouseout = "PassCheck()" id="Pass" type="password" name="LoginPass" ></input> <p id="3"></p>		
40	: <input onmouseout = "PassTwoCheck()" id = "PassTwo" type="password" name="PassTwo" ></input> <p id="4"></p>		
41	 		

LoginServlet.java, line 48 (Trust Boundary Violation)

Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	LoginServlet.java doPost() . . .		
Source:	LoginModel.java:9 java.sql.Statement.executeQuery()		
7	public String check(Connection conn, String user, String pass) throws SQLException{		
8	state = conn.createStatement();		
9	rs = state.executeQuery(sql);		
10	while(rs.next()){		
11	if(rs.getString(2).equals(user)){		
Sink:	LoginServlet.java:48 javax.servlet.ServletRequest.setAttribute()		
46	try{		
47	String res = obj.check(conn, user, pass);		
48	request.setAttribute("res", res);		
49	// request.setAttribute("Sno", sno);		
50	RequestDispatcher view = request.getRequestDispatcher("login.jsp");		

MyContextListener.java, line 28 (J2EE Bad Practices: getConnection())

Fortify Priority:	Low	Folder	Low
Kingdom:	API Abuse		
Abstract:	J2EE .		
Sink:	MyContextListener.java:28 getConnection()		
26	try{		
27	Class.forName(driver);///, jdbc,		
28	Connection conn = DriverManager.getConnection(url, user, pass);		
29	sc.setAttribute("conn", conn);		
30	System.out.println("Connect Succeed!");		

login.html, line 19 (Privacy Violation: Autocomplete)

Fortify Priority:	High	Folder	High
Kingdom:	Security Features		
Abstract:	login.html 19 .		
Sink:	login.html:19		
17	<center></center> 		


```
18          USER: <br/> <input type="text" name="user"></input><br/><br/>
19          PASS: <br/><input type="password" name="pass"></input>
20          <br/>
21          <br/>
```

web.xml, line 2 (J2EE Misconfiguration: Excessive Session Timeout)

Fortify Priority:	Low	Folder	Low
Kingdom:	Environment		

Abstract: .

Sink:

web.xml:2

0<?xml version="1.0" encoding="UTF-8"?>

1<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns="http://java.sun.com/xml/ns/javaee"

xsi:schemaLocation="http://java.sun.com/xml/ns/javaee

http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" id="WebApp_ID" version="3.0">

2<display-name>LoginProject</display-name>

3<welcome-file-list>

LoginServlet.java, line 40 (Poor Logging Practice: Use of a System Output Stream)

Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		

Abstract: println() .

Sink:

LoginServlet.java:40 FunctionCall: println()

38protected void doPost(HttpServletRequest request, HttpServletResponse response) throws

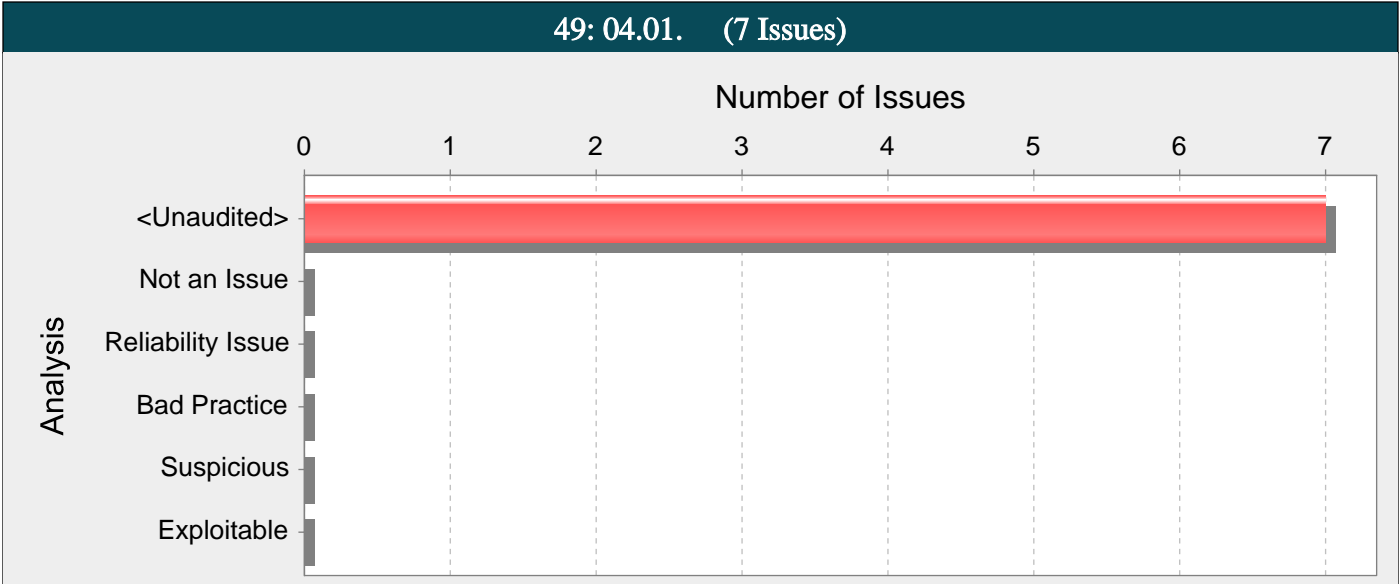
ServletException, IOException {

39// TODO Auto-generated method stub

40System.out.println("Login Test");

41String user = request.getParameter("user");

42String pass = request.getParameter("pass");



Abstract:

LoginServlet Servlet doGet() . Servlet .

Explanation:

Servlet Servlet . . , SQL , . . .

1: DNS Servlet .

```
protected void doPost (HttpServletRequest req,
HttpServletRequest res)
throws IOException {
String ip = req.getRemoteAddr();
InetAddress addr = InetAddress.getByName(ip);
...
out.println("hello " + addr.getHostName());
}
```

2: "name" NullPointerException .

```
protected void doPost (HttpServletRequest req,
HttpServletRequest res)
throws IOException {
String name = getParameter("name");
...
out.println("hello " + name.trim());
}
```

Recommendations:

Servlet Throwable (catch) Servlet .

3: Example 1 .

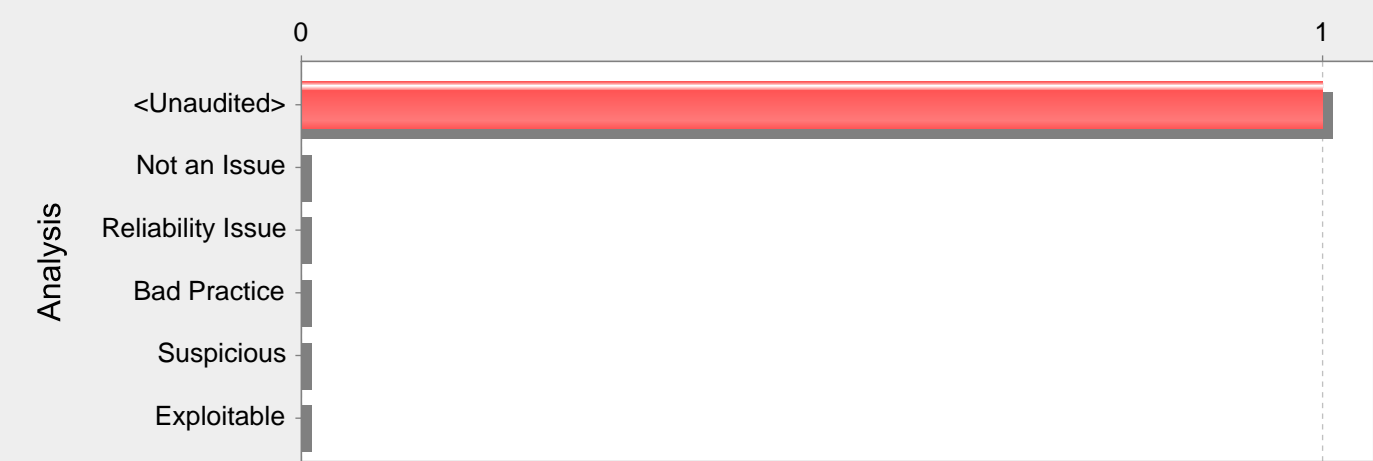
```
protected void doPost (HttpServletRequest req,
HttpServletRequest res) {
try {
String ip = req.getRemoteAddr();
InetAddress addr = InetAddress.getByName(ip);
...
out.println("hello " + addr.getHostName());
}catch (Throwable t) {
logger.error("caught throwable at top level", t);
}
}
}
```

registerServlet.java, line 40 (System Information Leak: Incomplete Servlet Error Handling)			
Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	registerServlet Servlet doPost() . Servlet .		
Sink:	registerServlet.java:40 Function: doPost()		
38	* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)		
39	*/		
40	protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {		
41	// TODO Auto-generated method stub		
42	//doGet(request, response);		
registerServlet.java, line 72 (System Information Leak)			
Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	registerServlet.java doPost() 72 printStackTrace()() . printStackTrace() .		
Sink:	registerServlet.java:72 printStackTrace()		
70	}		
71	catch(Exception e){		
72	e.printStackTrace();		
73	}		
74	}		
LoginServlet.java, line 54 (System Information Leak)			
Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	LoginServlet.java doPost() 54 printStackTrace()() . printStackTrace() .		
Sink:	LoginServlet.java:54 printStackTrace()		
52	}		
53	catch(Exception e){		
54	e.printStackTrace();		
55	}		
56	}		
LoginServlet.java, line 30 (System Information Leak: Incomplete Servlet Error Handling)			
Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	LoginServlet Servlet doGet() . Servlet .		
Sink:	LoginServlet.java:30 Function: doGet()		
28	* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)		
29	*/		
30	protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {		
31	// TODO Auto-generated method stub		
32	response.getWriter().append("Served at: ").append(request.getContextPath());		
registerServlet.java, line 32 (System Information Leak: Incomplete Servlet Error Handling)			
Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	registerServlet Servlet doGet() . Servlet .		
Sink:	registerServlet.java:32 Function: doGet()		
30	* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)		
31	*/		
32	protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {		
33	// TODO Auto-generated method stub		
34	response.getWriter().append("Served at: ").append(request.getContextPath());		

MyContextListener.java, line 33 (System Information Leak)			
Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	MyContextListener.java contextInitialized() 33 printStackTrace() . printStackTrace() .		
Sink:	MyContextListener.java:33 printStackTrace() 31 } 32 catch(Exception e){ 33 e.printStackTrace(); 34 } 35 }		
LoginServlet.java, line 38 (System Information Leak: Incomplete Servlet Error Handling)			
Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	LoginServlet Servlet doPost() . Servlet .		
Sink:	LoginServlet.java:38 Function: doPost() 36 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response) 37 */ 38 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException { 39 // TODO Auto-generated method stub 40 System.out.println("Login Test");		

49: 02.09. (1 Issues)

Number of Issues



Abstract:

MyContextListener.java contextInitialized() 28 . . .

Explanation:

Password management .

1: .

...

```
Properties prop = new Properties();
prop.load(new FileInputStream("config.properties"));
String password = prop.getProperty("password");
DriverManager.getConnection(url, usr, password);
```

...

config.properties password . . .

2: Android WebView .

...

```
webview.setWebViewClient(new WebViewClient() {
public void onReceivedHttpAuthRequest(WebView view,
HttpAuthHandler handler, String host, String realm) {
String[] credentials = view.getHttpAuthUsernamePassword(host, realm);
String username = credentials[0];
String password = credentials[1];
handler.proceed(username, password);
}
});
```

WebView . . .

Recommendations:

. . . , WebSphere Application Server 4.x XOR . WebSphere . . .

Android SQLite SQLCipher . SQLCipher SQLite , 256 AES . .

3: SQLCipher Android .

```
import net.sqlcipher.database.SQLiteDatabase;
...
SQLiteDatabase.loadLibs(this);
```

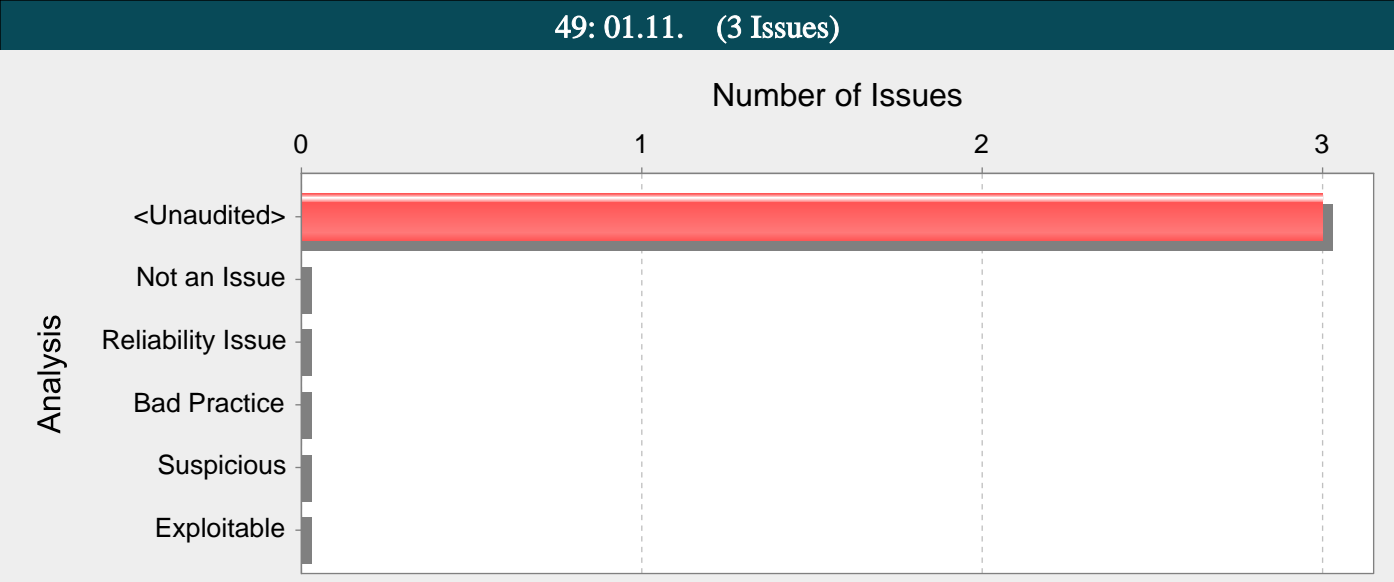
```
File dbFile = getDatabasePath("credentials.db");
dbFile.mkdirs();
dbFile.delete();
SQLiteDatabase db = SQLiteDatabase.openOrCreateDatabase(dbFile, "credentials", null);
db.execSQL("create table credentials(u, p)");
db.execSQL("insert into credentials(u, p) values(?, ?)", new Object[]{username, password});
...
```

```
android.database.sqlite.SQLiteDatabase net.sqlcipher.database.SQLiteDatabase .
WebView sqlcipher.so WebKit .
```

Tips:

1. Fortify Secure Coding Rulepacks . Fortify Static Code Analyzer .
Password Management
(pass-through rule) . Password Management .
2. (Struts Struts 2) . , Fortify Fortify Static Code Analyzer . Context-Sensitive Ranking() . Fortify ,
Fortify Software Security Research Group .

MyContextListener.java, line 28 (Password Management)			
Fortify Priority:	Low	Folder	Low
Kingdom:	Security Features		
Abstract:	MyContextListener.java contextInitialized() 28 . .		
Source:	MyContextListener.java:25 javax.servlet.ServletContext.getInitParameter()		
	23 String url = sc.getInitParameter("url");		
	24 String user = sc.getInitParameter("user");		
	25 String pass = sc.getInitParameter("pass");		
	26 try{		
	27 Class.forName(driver);//, jdbc,		
Sink:	MyContextListener.java:28 java.sql.DriverManager.getConnection()		
	26 try{		
	27 Class.forName(driver);//, jdbc,		
	28 Connection conn = DriverManager.getConnection(url, user, pass);		
	29 sc.setAttribute("conn", conn);		
	30 System.out.println("Connect Succeed!");		



Abstract:

login.html 16 .

Explanation:

CSRF(cross-site request forgery) .

1. .
2. HTTP .

Nonce . , CSRF (). . .

```
<form method="POST" action="/new_user" >
Name of new user: <input type="text" name="username">
Password for new user: <input type="password" name="user_passwd">
<input type="submit" name="action" value="Create User">
</form>
```

```
<form method="POST" action="http://www.example.com/new_user">
<input type="hidden" name="username" value="hacker">
<input type="hidden" name="user_passwd" value="hacked">
</form>
<script>
document.usr_form.submit();
</script>
```

example.com . CSRF

ID URL ID CSRF .

CSRF 2007 OWASP Top 10 5.

Recommendations:

. ID Nonce .

```
RequestBuilder rb = new RequestBuilder(RequestBuilder.POST, "/new_user");
body = addToPost(body, new_username);
body = addToPost(body, new_passwd);
body = addToPost(body, request_id);
rb.sendRequest(body, new NewAccountCallback(callback));
```

ID . ID . ID ID CSRF . (: SSLv3) .

: CSRF CSRF .

- : CSRF . CAPTCHA, , .
HTTP Referer/Origin : CSRF . CSRF .
: ID ID CSRF . ID .
: CSRF ID . .
XSS . CSRF XSS .

Tips:

1. Fortify Static Code Analyzer GET POST HTML XMLHttpRequest . CSRF .

login.jsp, line 25 (Cross-Site Request Forgery)

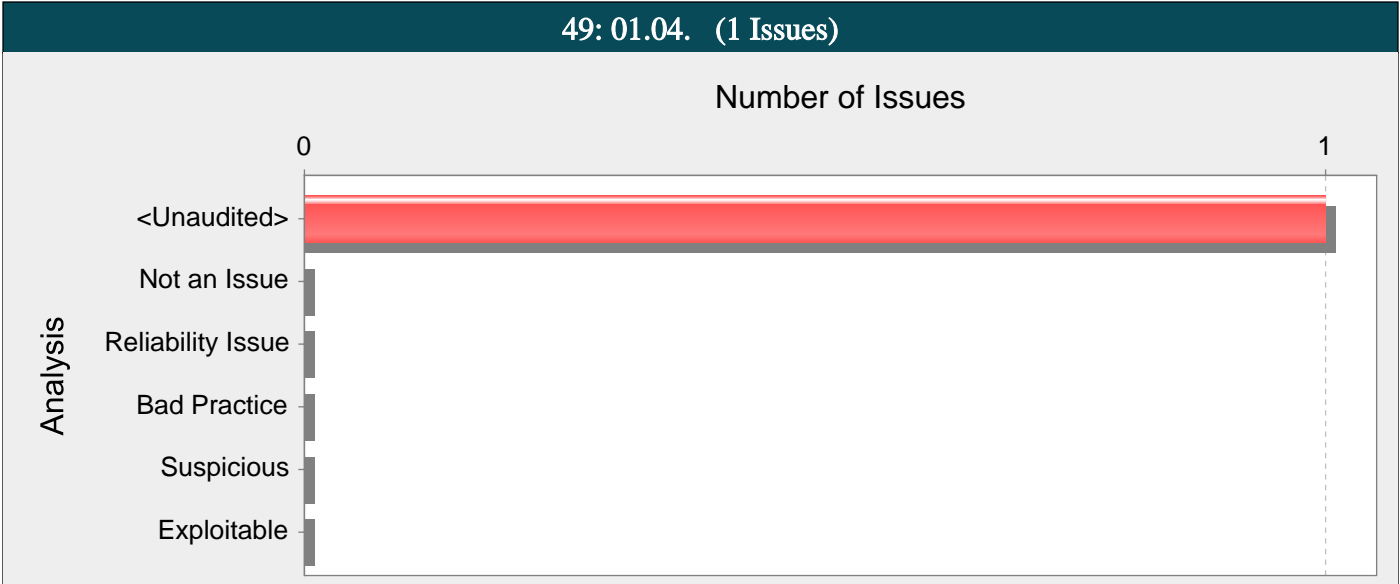
Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	login.jsp 25 .		
Sink:	login.jsp:25		
23	window.onload=show;		
24	</script>		
25	<form style="margin:auto;" action="login.do" method="POST">		
26	<center>ç"æ·ç»â½</center> 		
27	USER: <input type="text" name="user"></input> 		

login.html, line 16 (Cross-Site Request Forgery)

Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	login.html 16 .		
Sink:	login.html:16		
14	</div> -->		
15			
16	<form style="margin: auto;" action="login.do" method="POST">		
17	<center></center> 		
18	USER: <input type="text" name="user"></input> 		

register.html, line 36 (Cross-Site Request Forgery)

Fortify Priority:	Low	Folder	Low
Kingdom:	Encapsulation		
Abstract:	register.html 36 .		
Sink:	register.html:36		
34	<center><h1></h1></center> 		
35	 		
36	<form action="register.do" method="POST">		
37	 <input onmouseout = "SnoCheck()" id="Sno" type="text" name="Sno" /><p id="1"></p> 		
38	 <input onmouseout = "UserCheck()" id="User" type="text" name="LoginUser"></input><p id="2"></p> 		



Abstract:

login.jsp _jspService() 19 .

Explanation:

XSS(Cross-site scripting) .

1. . Persistent(Stored) XSS , Reflected XSS .
2. .

JavaScript HTML, Flash . XSS , .

1: JSP ID .

```
<%...
Statement stmt = conn.createStatement();
ResultSet rs = stmt.executeQuery("select * from emp where id="+eid);
if (rs != null) {
rs.next();
String name = rs.getString("name");
}
%>
```

Employee Name: <%= name %>

name . name . name . Persistent(Stored) XSS . XSS "" . JavaScript

2: JSP HTTP ID eid .

```
<% String eid = request.getParameter("eid"); %>
...
Employee ID: <%= eid %>
```

Example 1 eid . eid , HTTP .
. URL ? URL URL . Reflected XSS .

Cross-Site Scripting . . .

3: Android WebView JavaScript (JavaScript) Android .

```
...
WebView webview = (WebView) findViewById(R.id.webview);
webview.getSettings().setJavaScriptEnabled(true);
String url = this.getIntent().getExtras().getString("url");
webview.loadUrl(url);
```

...

url javascript: JavaScript WebView .

, XSS HTTP . XSS .

- Example 1 . Persistent XSS

- Example 2 HTTP HTTP . XSS . . URL . URL URL . , .

- Example 3 .

(Struts Spring MVC) . , Fortify Fortify Static Code Analyzer . Context-Sensitive Ranking() . Fortify , Fortify Software Security Research Group .

Recommendations:

XSS .

XSS . () . XSS .

SQL injection . XSS . XSS . . , XSS .

XSS HTTP . , 0-9 . HTML .

. HTML HTML . XSS . SEI(Software Engineering Institute) CERT(R) Coordination Center [1].

Block-level element ():

- "<" .

- "&" .

- ">" "<" .

.

- .

- .

- .

- "&" .

, URL . URL .

- , URL .

- "&" CGI .

- ASCII (, ISO-8859-1 127) URL .

- "% " HTTP . , "% " "%68%65%6C%6C%6F" "hello" .

<SCRIPT> </SCRIPT> :

- , .

:

- (!) (") .

:

- UTF-7 "<" '+ADw-' . (, UTF-7) .

XSS . ,

, . ISO 8859-1 HTML [2].

Cross-Site Scripting HTTP Cross-Site Scripting

Tips:

1. Fortify Secure Coding Rulepacks SQL Injection , XSS . , DATABASE . .

2. URL XSS , JavaScript DOM(Document Object Model) . Rulepacks Cross-Site Scripting URL . URL Fortify Cross-Site Scripting: Poor Validation .

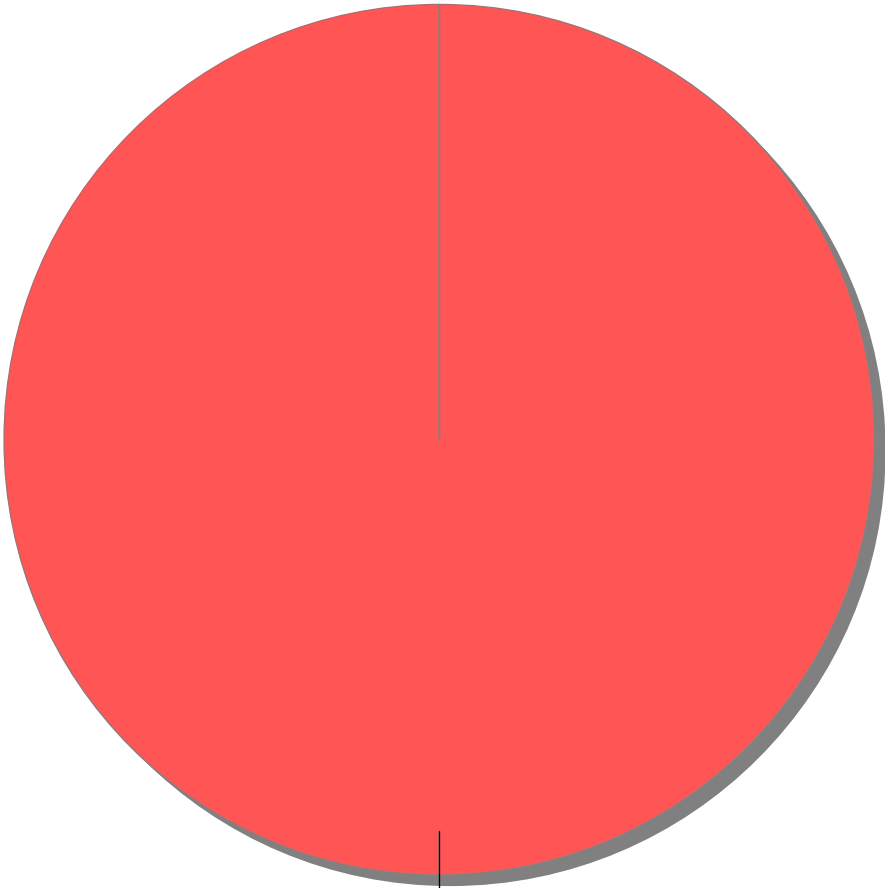
login.jsp, line 19 (Cross-Site Scripting: Persistent)			
Fortify Priority:	Critical	Folder	Critical

Kingdom:	Input Validation and Representation
Abstract:	login.jsp _jspService() 19 .
Source:	LoginModel.java:9 java.sql.Statement.executeQuery() 7 public String check(Connection conn, String user, String pass) throws SQLException{ 8 state = conn.createStatement(); 9 rs = state.executeQuery(sql); 10 while(rs.next()){ 11 if(rs.getString(2).equals(user)){ Sink: login.jsp:19 javax.servlet.jsp.JspWriter.print() 17 18 %> 19 <p>Hello, <%= ((String)request.getAttribute("res")).substring(1) %></p> 20 <% }else{ 21 %>

Issue Count by Category	
Issues by 49	
<none>	16
04.01.	7
02.09.	1
01.11.	3
01.04.	1

Issue Breakdown by Analysis

Issues by Analysis



● <none>