

MSAT Interface ?

Project: Alpha

S. No.	Name (Bug title)	Tool	Type	Fix Location	Assignee
1	XSS_CONFIG		XSS	12.4 XSSFILTER.java	Varma
2	EQ_CHECK		EQ	6.3 LoopHelper.java	Max
3	CO_SELF		CO	11.2 StringComparer.java	Un-assigned
4	XSS_REQUEST		XSS	5.4 HttpSender.java	John
5	DMI_EMPTY		DM	3.3 DatabaseHelper.java	Elina
6	BC_EQUALS		BC	2.4HttpReceiver.java	Tom
7	BIT_CHECK		BIT	3.3 NetworkConnect.java	John
8	CN_CLONE		CN	6.7 CloneMessage.java	Max
9	DE_EXCEPTION		DE	2.2 StringPlacer.java	Elina
10	DMI_RANDOM		DMI	3.7 DatabaseConnect.java	Elina
11	EQ_EQUALS		EQ	1.3 StringCheck.java	John
12	IJU_TEST		IJU	9.3 DatabaseTest.java	John
13	IL_LOOP		IL	7.2 FormValidate.java	Tom
14	CI_FINAL		CI	1.6 MessageSender.java	Max
15	SQL_CONSTANT		SQL	3.5 DatabaseInsert.java	Elina

Filters

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Bug Description

XSS: Anti cross-site scripting filter (XSS_CONFIG)

Wrap the HTTP request object in a specialized HttpServletRequestWrapper that will perform filtering.

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1	XSS_CONFIG		XSS	12.4 XSSFILTER.java	Varma
2	EQ_CHECK		EQ	6.3 LoopHelper.java	Max
3	CO_SELF		CO	11.2 StringComparer.java	Un-assigned
4	B_NAMET1		BT1	5.5 BT1.java	Alice
5	B_NAMET1		BT1	5.5 BT1.java	Alice
6	B_NAMET1		BT1	5.5 BT1.java	Alice
7	B_NAMET1		BT1	5.5 BT1.java	Alice
8	B_NAMET1		BT1	5.5 BT1.java	Alice
9	B_NAMET1		BT1	5.5 BT1.java	Alice
10	B_NAMET1		BT1	5.5 BT1.java	Alice
11	B_NAMET1		BT1	5.5 BT1.java	Alice
12	B_NAMET1		BT1	5.5 BT1.java	Alice
13	B_NAMET1		BT1	5.5 BT1.java	Alice
14	B_NAMET1		BT1	5.5 BT1.java	Alice
15	B_NAMET1		BT1	5.5 BT1.java	Alice

Bug Description

XSS: Anti cross-site scripting filter (XSS_CONFIG)

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tool1

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1	XSS_CONFIG		XSS	12.4 XSSFILTER.java	Varma
2	CO_SELF		CO	11.2 StringComparer.java	
3	XSS_REQUEST		XSS	5.4 HttpSender.java	John
4	B_NAMET2		BT2	5.5 BT2.java	Bob
5	B_NAMET2		BT2	5.5 BT2.java	Bob
6	B_NAMET2		BT2	5.5 BT2.java	Bob
7	B_NAMET2		BT2	5.5 BT2.java	Bob
8	B_NAMET2		BT2	5.5 BT2.java	Bob
9	B_NAMET2		BT2	5.5 BT2.java	Bob
10	B_NAMET2		BT2	5.5 BT2.java	Bob
11	B_NAMET2		BT2	5.5 BT2.java	Bob
12	B_NAMET2		BT2	5.5 BT2.java	Bob
13	B_NAMET2		BT2	5.5 BT2.java	Bob
14	B_NAMET2		BT2	5.5 BT2.java	Bob
15	B_NAMET2		BT2	5.5 BT2.java	Bob

XSS: Anti cross-site scripting filter (XSS_CONFIG)

Fix Now

Wrap the HTTP request object in a specialized `HttpServletRequestWrapper` that will perform filtering.

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S. No.	Name (Bug title)	Tool	Type	Fix Location	Assignee
1	XSS_REQUEST		XSS	5.4 HttpSender.java	John
2	BC_EQUALS		BC	2.4HttpReceiver.java	Tom
3	IJU_TEST		IJU	9.3 DatabaseTest.java	John
4	B_NAMET3		BT3	5.5 BT3.java	Charles
5	B_NAMET3		BT3	5.5 BT3.java	Charles
6	B_NAMET3		BT3	5.5 BT3.java	Charles
7	B_NAMET3		BT3	5.5 BT3.java	Charles
8	B_NAMET3		BT3	5.5 BT3.java	Charles
9	B_NAMET3		BT3	5.5 BT3.java	Charles
10	B_NAMET3		BT3	5.5 BT3.java	Charles
11	B_NAMET3		BT3	5.5 BT3.java	Charles
12	B_NAMET3		BT3	5.5 BT3.java	Charles
13	B_NAMET3		BT3	5.5 BT3.java	Charles
14	B_NAMET3		BT3	5.5 BT3.java	Charles
15	B_NAMET3		BT3	5.5 BT3.java	Charles

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☐ tool10



S. No.	Name (Bug title)	Tool	Type	Fix Location	Assignee
1	BC_EQUALS		BC	2.4HttpReceiver.java	Tom
2	CN_CLONE		CN	6.7 CloneMessage.java	Max
3	SQL_CONSTANT		SQL	3.5 DatabaseInsert.java	Elina
4	B_NAMET4		BT4	5.5 BT4.java	David
5	B_NAMET4		BT4	5.5 BT4.java	David
6	B_NAMET4		BT4	5.5 BT4.java	David
7	B_NAMET4		BT4	5.5 BT4.java	David
8	B_NAMET4		BT4	5.5 BT4.java	David
9	B_NAMET4		BT4	5.5 BT4.java	David
10	B_NAMET4		BT4	5.5 BT4.java	David
11	B_NAMET4		BT4	5.5 BT4.java	David
12	B_NAMET4		BT4	5.5 BT4.java	David
13	B_NAMET4		BT4	5.5 BT4.java	David
14	B_NAMET4		BT4	5.5 BT4.java	David
15	B_NAMET4		BT4	5.5 BT4.java	David

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S. No.	Name (Bug title)	Tool	Type	Fix Location	Assignee
1	B_NAMET5		BT5	5.5 BT5.java	Elina
2	B_NAMET5		BT5	5.5 BT5.java	Elina
3	B_NAMET5		BT5	5.5 BT5.java	Elina
4	B_NAMET5		BT5	5.5 BT5.java	Elina
5	B_NAMET5		BT5	5.5 BT5.java	Elina
6	B_NAMET5		BT5	5.5 BT5.java	Elina
7	B_NAMET5		BT5	5.5 BT5.java	Elina
8	B_NAMET5		BT5	5.5 BT5.java	Elina
9	B_NAMET5		BT5	5.5 BT5.java	Elina
10	B_NAMET5		BT5	5.5 BT5.java	Elina
11	B_NAMET5		BT5	5.5 BT5.java	Elina
12	B_NAMET5		BT5	5.5 BT5.java	Elina
13	B_NAMET5		BT5	5.5 BT5.java	Elina
14	B_NAMET5		BT5	5.5 BT5.java	Elina
15	B_NAMET5		BT5	5.5 BT5.java	Elina
















Bug Description

When a user is logged in and the system is in a state where the user is not logged in, the system will not allow the user to log in. This is a security issue as it prevents users from logging in when they are not logged in. The system should allow users to log in when they are not logged in.

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Project: Alpha					
S. No.	Name (Bug title)	Tool	Type	Fix Location	Assignee
1	B_NAMET6		BT6	5.5 BT6.java	Florian
2	B_NAMET6		BT6	5.5 BT6.java	Florian
3	B_NAMET6		BT6	5.5 BT6.java	Florian
4	B_NAMET6		BT6	5.5 BT6.java	Florian
5	B_NAMET6		BT6	5.5 BT6.java	Florian
6	B_NAMET6		BT6	5.5 BT6.java	Florian
7	B_NAMET6		BT6	5.5 BT6.java	Florian
8	B_NAMET6		BT6	5.5 BT6.java	Florian
9	B_NAMET6		BT6	5.5 BT6.java	Florian
10	B_NAMET6		BT6	5.5 BT6.java	Florian
11	B_NAMET6		BT6	5.5 BT6.java	Florian
12	B_NAMET6		BT6	5.5 BT6.java	Florian
13	B_NAMET6		BT6	5.5 BT6.java	Florian
14	B_NAMET6		BT6	5.5 BT6.java	Florian
15	B_NAMET6		BT6	5.5 BT6.java	Florian

Bug Description

1. The application does not handle null values correctly, leading to a NullPointerException when a user attempts to edit a record with a null value in a required field.

2. The application does not validate the input data, allowing users to enter invalid data (e.g., non-numeric values in a numeric field) which causes the application to crash.

3. The application does not handle concurrent updates correctly, leading to data inconsistency when two users attempt to update the same record simultaneously.

4. The application does not handle database connection errors gracefully, leading to a SQLException when the database is unavailable.

5. The application does not handle file upload errors correctly, leading to a FileNotFoundException when a user attempts to upload a file that does not exist.
















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S. No.	Name (Bug title)	Tool	Type	Fix Location	Assignee
1	BIT_CHECK		BIT	3.3 NetworkConnect.java	John
2	DE_EXCEPTION		DE	2.2 StringPlacer.java	Elina
3	EQ_EQUALS		EQ	1.3 StringCheck.java	John
4	IL_LOOP		IL	7.2 FormValidate.java	Tom
5	SQL_CONSTANT		SQL	3.5 DatabaseInsert.java	Elina
6	B_NAMET7		BT7	5.5 BT7.java	Gandhi
7	B_NAMET7		BT7	5.5 BT7.java	Gandhi
8	B_NAMET7		BT7	5.5 BT7.java	Gandhi
9	B_NAMET7		BT7	5.5 BT7.java	Gandhi
10	B_NAMET7		BT7	5.5 BT7.java	Gandhi
11	B_NAMET7		BT7	5.5 BT7.java	Gandhi
12	B_NAMET7		BT7	5.5 BT7.java	Gandhi
13	B_NAMET7		BT7	5.5 BT7.java	Gandhi
14	B_NAMET7		BT7	5.5 BT7.java	Gandhi
15	B_NAMET7		BT7	5.5 BT7.java	Gandhi

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1	XSS_CONFIG		XSS	12.4 XSSFILTER.java	Varma
2	DMI_EMPTY		DM	3.3 DatabaseHelper.java	Elina
3	IL_LOOP		IL	7.2 FormValidate.java	Tom
4	B_NAMET9		BT9	5.5 BT7.java	Isaac
5	B_NAMET9		BT9	5.5 BT7.java	Isaac
6	B_NAMET9		BT9	5.5 BT7.java	Isaac
7	B_NAMET9		BT9	5.5 BT7.java	Isaac
8	B_NAMET9		BT9	5.5 BT7.java	Isaac
9	B_NAMET9		BT9	5.5 BT7.java	Isaac
10	B_NAMET9		BT9	5.5 BT7.java	Isaac
11	B_NAMET9		BT9	5.5 BT7.java	Isaac
12	B_NAMET9		BT9	5.5 BT7.java	Isaac
13	B_NAMET9		BT9	5.5 BT7.java	Isaac
14	B_NAMET9		BT9	5.5 BT7.java	Isaac
15	B_NAMET9		BT9	5.5 BT7.java	Isaac

Bug Description

XSS: Anti cross-site scripting filter (XSS_CONFIG)

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Filters

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










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S. No.	Name (Bug title)	Tool	Type	Fix Location	Assignee
1	B_NAMET10		BT10	5.5 BT10.java	John
2	B_NAMET10		BT10	5.5 BT10.java	John
3	B_NAMET10		BT10	5.5 BT10.java	John
4	B_NAMET10		BT10	5.5 BT10.java	John
5	B_NAMET10		BT10	5.5 BT10.java	John
6	B_NAMET10		BT10	5.5 BT10.java	John
7	B_NAMET10		BT10	5.5 BT10.java	John
8	B_NAMET10		BT10	5.5 BT10.java	John
9	B_NAMET10		BT10	5.5 BT10.java	John
10	B_NAMET10		BT10	5.5 BT10.java	John
11	B_NAMET10		BT10	5.5 BT10.java	John
12	B_NAMET10		BT10	5.5 BT10.java	John
13	B_NAMET10		BT10	5.5 BT10.java	John
14	B_NAMET10		BT10	5.5 BT10.java	John
15	B_NAMET10		BT10	5.5 BT10.java	John

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XSS: Anti cross-site scripting filter (XSS_CONFIG)

Wrap the HTTP request object in a specialized `HttpServletRequestWrapper` that will perform filtering.

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MSAT Interface ?

Project Structure

▼ D:\varma\project_alpha

> .idea

▼ src

▼ scripts_module

XSSFilter.java

XSSScan.java

XSSRequestWrapper.java

Fixed ⓘ

Project: Alpha - (file_path)/XSSFilter.java

```
import java.util.regex.Pattern;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletRequestWrapper;

public class XSSFilter implements Filter {

    @Override
    public void init(FilterConfig filterConfig) throws ServletException {
    }

    @Override
    public void destroy() {
    }

    @Override
    public void doFilter(ServletRequest request, ServletResponse response, FilterChain chain)
        throws IOException, ServletException {
        chain.doFilter(new XSSRequestWrapper((HttpServletRequest) request), response);
    }
}
```

MSAT Interface

Project Structure

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D:\varma\project_alpha

>

.idea

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src

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scripts_module

XSSFilter.java

XSSScan.java

XSSRequestWrapper.java

Project: Alpha - (file_path)/XSSFilter.java

```
import java.util.regex.Pattern;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletRequestWrapper;

public class XSSFilter implements Filter {

    @Override
    public void init(FilterConfig filterConfig) throws ServletException {

    }

}
```

🐛

XSS: Anti cross-site scripting filter (XSS_CONFIG)

Wrap the HTTP request object in a specialized
HttpServletRequestWrapper that will perform filtering.

Reported by:

Fixed

?

MSAT Interface ?

Project Structure

▼ D:\varma\project_alpha

> .idea

▼ src

▼ scripts_module

XSSFilter.java

XSSScan.java

XSSRequestWrapper.java

Fixed ⓘ

Project: Alpha - (file_path)/XSSRequestWrapper.java

```
// Avoid expression(...) expressions
scriptPattern = Pattern.compile("expression\\((.*?)\\)", Pattern.CASE_INSENSITIVE | Pattern.MULTILINE | Pattern.DOTALL);
value = scriptPattern.matcher(value).replaceAll("");

// Avoid javascript:... expressions
scriptPattern = Pattern.compile("javascript:", Pattern.CASE_INSENSITIVE);
value = scriptPattern.matcher(value).replaceAll("");

// Avoid vbscript:... expressions
scriptPattern = Pattern.compile("vbscript:", Pattern.CASE_INSENSITIVE);
value = scriptPattern.matcher(value).replaceAll("");

// Avoid onload= expressions
scriptPattern = Pattern.compile("onload\\.\\(\\.\\*\\)=", Pattern.CASE_INSENSITIVE | Pattern.MULTILINE | Pattern.DOTALL);
value = scriptPattern.matcher(value).replaceAll("");
}
return value;
}
```


MSAT Interface ?

Project Structure

▼ D:\varma\project_alpha

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▼ src

▼ scripts_module

XSSFilter.java

XSSScan.java

XSSRequestWrapper.java

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// Avoid vbscript:... expressions
scriptPattern = Pattern.compile("vbscript:", Pattern.CASE_INSENSITIVE);
value = scriptPattern.matcher(value).replaceAll("");

// Avoid onload= expressions
scriptPattern = Pattern.compile("onload=(.*)", Pattern.CASE_INSENSITIVE);
value = scriptPattern.matcher(value).replaceAll("");

}
return value;
}
```

Fixed ⓘ

Analysis

Bug Fix Alert

Bug - XSS_CONFIG

tool9 - not fixed

Try AgainOk

MSAT Interface ?

Project Structure

▼ D:\varma\project_alpha

> .idea

▼ src

▼ scripts_module

XSSFilter.java

XSSScan.java

XSSRequestWrapper.java

Fixed ⓘ

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```

Analysis

MSAT Interface

Project: Alpha

S. No.	Name (Bug title)	Tool	Status	Type	Fix Location	Assignee
1	XSS_CONFIG		pending	XSS	12.4 XSSFilter.java	Varma
2	EQ_CHECK				...er.java	Max
3	SQL_CONSTANT				...insert.java	Elina
4	CO_SELF				...nparer.java	Un-assigned
5	XSS_REQUEST				...er.java	John
6	DMI_EMPTY				...Helper.java	Elina
7	BC_EQUALS				...er.java	Tom
8	BIT_CHECK				...onnect.java	John
9	CN_CLONE				...sage.java	Max
10	DE_EXCEPTION				...er.java	Elina
11	DMI_RANDOM				...Connect.java	Elina
12	EQ_EQUALS		needs fix	EQ	1.3 StringCheck.java	John
13	IJU_TEST		needs fix	IJU	9.3 DatabaseTest.java	John
14	IL_LOOP		needs fix	IL	7.2 FormValidate.java	Tom
15	CI_FINAL		needs fix	CI	1.6 MessageSender.java	Max

Filters

☒ Show All

☐ Deselect All

☐ tool1

☐ tool2

☐ tool3

☐ tool4

☐ tool5

☐ tool6

☐ tool7

☐ tool8



































☐ tool9

☐ tool10


Analysis Progress


MSAT Interface


Project: Alpha

S. No.	Name (Bug title)	Tool	Status	Type	Fix Location	Assignee
1	XSS_CONFIG	  	pending....	XSS	12.4 XSSFilter.java	Varma
2	EQ_CHECK	 	needs fix	EQ	6.3 LoopHelper.java	Max
3	SQL_CONSTANT	 	needs fix	SQL	3.5 DatabaseInsert.java	Elina
4	CO_SELF	 	needs fix	CO	11.2 StringComparer.java	<div>Un-assigned</div>
5	XSS_REQUEST	  	pending	XSS	5.4 HttpSender.java	John
6	DMI_EMPTY	 	needs fix	DM	3.3 DatabaseHelper.java	Elina
7	BC_EQUALS	 	needs fix	BC	2.4HttpReceiver.java	Tom
8	BIT_CHECK	 	needs fix	BIT	3.3 NetworkConnect.java	John
9	CN_CLONE	 	needs fix	CN	6.7 CloneMessage.java	Max
10	DE_EXCEPTION	 	needs fix	DE	2.2 StringPlacer.java	Elina
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12	EQ_EQUALS	 	needs fix	EQ	1.3 StringCheck.java	John
13	IJU_TEST	  	needs fix	IJU	9.3 DatabaseTest.java	John
14	IL_LOOP	 	needs fix	IL	7.2 FormValidate.java	Tom
15	CI_FINAL	  	needs fix	CI	1.6 MessageSender.java	Max

Analysis Progress








Filters


☒ Show All

☐ Deselect All


☐ tool1




☐ tool2




☐ tool3




☐ tool4




☐ tool5




☐ tool6




☐ tool7




☐ tool8



☐ tool9













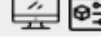




☐ tool10





MSAT Interface


Project: Alpha

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Analysis Progress








Filters


☒ Show All

☐ Deselect All


☐ tool1




☐ tool2




☐ tool3




☐ tool4




☐ tool5




☐ tool6




☐ tool7




☐ tool8



☐ tool9

























☐ tool10





MSAT Interface

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Analysis Progress






Filters


☒ Show All

☐ Deselect All


☐ tool1




☐ tool2




☐ tool3




☐ tool4




☐ tool5




☐ tool6




☐ tool7




☐ tool8



☐ tool9


























☐ tool10





MSAT Interface

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Analysis Progress






Filters


☒ Show All

☐ Deselect All


☐ tool1




☐ tool2




☐ tool3




☐ tool4




☐ tool5




☐ tool6




☐ tool7




☐ tool8



☐ tool9


























☐ tool10





MSAT Interface

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Analysis Progress






Filters


☒ Show All

☐ Deselect All


☐ tool1




☐ tool2




☐ tool3




☐ tool4




☐ tool5




☐ tool6




☐ tool7




☐ tool8



☐ tool9



☐ tool10



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14	IL_LOOP		needs fix	IL	7.2 FormValidate.java	Tom
15	CI_FINAL		needs fix	CI	1.6 MessageSender.java	Max

Analysis Progress

Filters

☒ Show All

☐ Deselect All

☐ tool1

☐ tool2

☐ tool3

☐ tool4

☐ tool5

☐ tool6

☐ tool7

☐ tool8

☐ tool9

☐ tool10

MSAT Interface

Project: Alpha

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4	XSS_REQUEST		pending	XSS	5.4 HttpSender.java	John
5	DMI_EMPTY		needs fix	DM	3.3 DatabaseHelper.java	Elina
6	BC_EQUALS		needs fix	BC	2.4HttpReceiver.java	Tom
7	BIT_CHECK		needs fix	BIT	3.3 NetworkConnect.java	John
8	CN_CLONE		needs fix	CN	6.7 CloneMessage.java	Max
9	DE_EXCEPTION		needs fix	DE	2.2 StringPlacer.java	Elina
10	DMI_RANDOM		needs fix	DMI	3.7 DatabaseConnect.java	Elina
11	EQ_EQUALS		needs fix	EQ	1.3 StringCheck.java	John
12	IJU_TEST		needs fix	IJU	9.3 DatabaseTest.java	John
13	IL_LOOP		needs fix	IL	7.2 FormValidate.java	Tom
14	CI_FINAL		needs fix	CI	1.6 MessageSender.java	Max
15	XSS_SERVLET		needs fix	XSS	6.4 Connector.java	John

Filters

☒ Show All

☐ Deselect All

☐ tool1

☐ tool2

☐ tool3

☐ tool4

☐ tool5

☐ tool6

☐ tool7

☐ tool8

☐ tool9

☐ tool10

Bug Description

EQ: Equals checks for incompatible operand (EQ_CHECK)

This equals method is checking to see if the argument is some incompatible type (i.e., a class that is neither a supertype nor subtype of the class that defines the equals method).

Fix Now


Know More

Filters


☒ Show All

☐ Deselect All


☐ tool1




☐ tool2




☐ tool3




☐ tool4




☐ tool5




☐ tool6




☐ tool7




☐ tool8



☐ tool9



☐ tool10



EQ: Equals checks for incompatible operand (EQ_CHECK)

This equals method is checking to see if the argument is some incompatible type (i.e., a class that is neither a supertype nor subtype of the class that defines the equals method).

Fix Now

[Know More](#)

MSAT Interface ?

Project Structure

▼ D:\varma\project_alpha

> .idea

▼ src

▼ scripts_module

XSSFilter.java

XSSScan.java

XSSRequestWrapper.java

Fixed ⓘ

Project: Alpha - (file_path)/XSSRequestWrapper.java

```
import java.util.regex.Pattern;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletRequestWrapper;

public class XSSRequestWrapper extends HttpServletRequestWrapper {

    public XSSRequestWrapper(HttpServletRequest servletRequest) {
        super(servletRequest);
    }

    @Override
    public String[] getParameterValues(String parameter) {
        String[] values = super.getParameterValues(parameter);

        if (values == null) {
            return null;
        }

        int count = values.length;
        String[] encodedValues = new String[count];
        for (int i = 0; i < count; i++) {
            encodedValues[i] = stripXSS(values[i]);
        }

        return encodedValues;
    }

    @Override
    public String getHeader(String name) {
        String value = super.getHeader(name);
        return stripXSS(value);
    }

    ⓘ private String stripXSS(String value) {
        if (value != null) {
            // NOTE: It's highly recommended to use the ESAPI library and uncomment the following line to
            // avoid encoded attacks.
            // value = ESAPI.encoder().canonicalize(value);

            // Avoid null characters
            value = value.replaceAll("", "");
        }
    }
}
```

MSAT Interface ?

Project Structure

▼ D:\varma\project_alpha

> .idea

▼ src

▼ scripts_module

XSSFilter.java

XSSScan.java

XSSRequestWrapper.java

Fixed ⓘ

Project: Alpha - (file_path)/XSSRequestWrapper.java

```
return encodedValues;
}

@Override
public String getParameter(String parameter) {
    String value = super.getParameter(parameter);

    return stripXSS(value);
}

@Override
public String getHeader(String name) {
    String value = super.getHeader(name);
    return stripXSS(value);
}

private String stripXSS(String value) {
    if (value != null) {
        // NOTE: It's highly recommended to use the ESAPI library and uncomment the following line to
        // avoid encoded attacks.
        // value = ESAPI.encoder().canonicalize(value);

        // Avoid null characters
        value = value.replaceAll("", "");

        // Avoid anything between script tags
        Pattern scriptPattern = Pattern.compile("<script>(.*?)</script>", Pattern.CASE_INSENSITIVE);
        value = scriptPattern.matcher(value).replaceAll("");

        // Avoid anything in a src='...' type of expression
        scriptPattern = Pattern.compile("src=[\\'\\\"].*?\\'\\\"", Pattern.CASE_INSENSITIVE | Pattern.MULTILINE | Pattern.DOTALL);
        value = scriptPattern.matcher(value).replaceAll("");

        scriptPattern = Pattern.compile("src[*]=[\\'\\\"].*?\\'\\\"", Pattern.CASE_INSENSITIVE | Pattern.MULTILINE | Pattern.DOTALL);
        value = scriptPattern.matcher(value).replaceAll("");

        // Remove any lonesome </script> tag
        scriptPattern = Pattern.compile("</script>", Pattern.CASE_INSENSITIVE);
        value = scriptPattern.matcher(value).replaceAll("");
```