FindBugs Report

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Produced using FindBugs 3.0.1.

Project: HshHelper[HshHelper]

Metrics

5478 lines of code analyzed, in 144 classes, in 21 packages.

Metric	Total	Density*
High Priority Warnings	11	2.01
Medium Priority Warnings	102	18.62
Total Warnings	**113**	**20.63**

(* Defects per Thousand lines of non-commenting source statements)

Summary

Warning Type	Number
Bad practice Warnings	38
Correctness Warnings	1
Experimental Warnings	1
Malicious code vulnerability Warnings	61
Performance Warnings	1
Dodgy code Warnings	11
Total	**113**

Warnings

Click on each warning link to see a full description of the issue, and details of how to resolve it.

Bad practice Warnings

Warning	Priority	Details
Class names should start with an upper case letter	Medium	The class name controllers.routes doesn't start with an upper case letter In file routes.java, lines 9 to 15 In class controllers.routes At routes.java:[lines 9-15]
Class names should start with an upper case letter	Medium	The class name controllers.routes$javascript doesn't start with an upper case letter In file routes.java, lines 17 to 23 In class controllers.routes$javascript At routes.java:[lines 17-23]
Method names should start with a lower case letter	Medium	The method name domainlogic.loginmanager.Authentification.Perform(String, String) doesn't start with a lower case letter In file Authentification.java, lines 35 to 47 In class domainlogic.loginmanager.Authentification In method domainlogic.loginmanager.Authentification.Perform(String, String) At Authentification.java:[lines 35-47]

[Method names should start with a lower case letter](#)	Medium	The method name extension.RecaptchaHelper.CaptchaField() doesn't start with a lower case letter In file RecaptchaHelper.java, lines 16 to 17 In class extension.RecaptchaHelper In method extension.RecaptchaHelper.CaptchaField() At RecaptchaHelper.java:[lines 16-17]
[Method names should start with a lower case letter](#)	Medium	The method name extension.RecaptchaHelper.IsValidResponse(String, String) doesn't start with a lower case letter In file RecaptchaHelper.java, lines 28 to 43 In class extension.RecaptchaHelper In method extension.RecaptchaHelper.IsValidResponse(String, String) At RecaptchaHelper.java:[lines 28-43]
[Field names should start with a lower case letter](#)	Medium	The field name policy.ext.loginFirewall.Firewall.LaggyTsIntervalHours doesn't start with a lower case letter In file Firewall.java, lines to In class policy.ext.loginFirewall.Firewall Field policy.ext.loginFirewall.Firewall.LaggyTsIntervalHours In Firewall.java
[Field names should start with a lower case letter](#)	Medium	The field name policy.ext.loginFirewall.Firewall.RelevantHours doesn't start with a lower case letter In file Firewall.java, lines to In class policy.ext.loginFirewall.Firewall Field policy.ext.loginFirewall.Firewall.RelevantHours In Firewall.java
[Method names should start with a lower case letter](#)	Medium	The method name policy.ext.loginFirewall.LaggyDT.Get() doesn't start with a lower case letter In file LaggyDT.java, lines 8 to 12 In class policy.ext.loginFirewall.LaggyDT In method policy.ext.loginFirewall.LaggyDT.Get() At LaggyDT.java:[lines 8-12]
[Method names should start with a lower case letter](#)	Medium	The method name policy.session.SessionManager.SessionInstance() doesn't start with a lower case letter In file SessionManager.java, line 21 In class policy.session.SessionManager In method policy.session.SessionManager.SessionInstance() At SessionManager.java:[line 21]
[Method names should start with a lower case letter](#)	Medium	The method name views.bootstrapHelper.enums.ButtonType$.Button() doesn't start with a lower case letter In file ButtonEnum.scala, line 4 In class views.bootstrapHelper.enums.ButtonType$ In method views.bootstrapHelper.enums.ButtonType$.Button() At ButtonEnum.scala:[line 4] The method name views.bootstrapHelper.enums.ButtonType$.Submit()

		doesn't start with a lower case letter
[Method names should start with a lower case letter](#)	Medium	In file ButtonEnum.scala, line 5 In class views.bootstrapHelper.enums.ButtonType$ In method views.bootstrapHelper.enums.ButtonType$.Submit() At ButtonEnum.scala:[line 5]
		The method name views.bootstrapHelper.enums.ButtonType$.Type() doesn't start with a lower case letter
[Method names should start with a lower case letter](#)	Medium	In file ButtonEnum.scala, line 6 In class views.bootstrapHelper.enums.ButtonType$ In method views.bootstrapHelper.enums.ButtonType$.Type() At ButtonEnum.scala:[line 6]
		The method name views.bootstrapHelper.enums.LinkClass$.Primary() doesn't start with a lower case letter
[Method names should start with a lower case letter](#)	Medium	In file LinkEnum.scala, line 4 In class views.bootstrapHelper.enums.LinkClass$ In method views.bootstrapHelper.enums.LinkClass$.Primary() At LinkEnum.scala:[line 4]
		The method name views.bootstrapHelper.enums.LinkClass$.Secondary() doesn't start with a lower case letter
[Method names should start with a lower case letter](#)	Medium	In file LinkEnum.scala, line 5 In class views.bootstrapHelper.enums.LinkClass$ In method views.bootstrapHelper.enums.LinkClass$.Secondary() At LinkEnum.scala:[line 5]
		The class name views.html.bootstrapHelper.button doesn't start with an upper case letter
[Class names should start with an upper case letter](#)	Medium	In file button.template.scala, lines to In class views.html.bootstrapHelper.button In button.template.scala
		The class name views.html.bootstrapHelper.button$ doesn't start with an upper case letter
[Class names should start with an upper case letter](#)	Medium	In file button.template.scala, lines 29 to 58 In class views.html.bootstrapHelper.button$ At button.template.scala:[lines 29-58]
		The class name views.html.bootstrapHelper.card doesn't start with an upper case letter
[Class names should start with an upper case letter](#)	Medium	In file card.template.scala, lines to In class views.html.bootstrapHelper.card In card.template.scala
		The class name views.html.bootstrapHelper.card$ doesn't start with an upper case letter
[Class names should start with an upper case letter](#)	Medium	In file card.template.scala, lines 27 to 47 In class views.html.bootstrapHelper.card$ At card.template.scala:[lines 27-47]
		The class name views.html.bootstrapHelper.cardWithTitle doesn't start with an upper case letter

[Class names should start with an upper case letter](#)	Medium	In file cardWithTitle.template.scala, lines to In class views.html.bootstrapHelper.cardWithTitle In cardWithTitle.template.scala
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.cardWithTitle$ doesn't start with an upper case letter In file cardWithTitle.template.scala, lines 27 to 50 In class views.html.bootstrapHelper.cardWithTitle$ At cardWithTitle.template.scala:[lines 27-50]
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.center doesn't start with an upper case letter In file center.template.scala, lines to In class views.html.bootstrapHelper.center In center.template.scala
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.center$ doesn't start with an upper case letter In file center.template.scala, lines 27 to 52 In class views.html.bootstrapHelper.center$ At center.template.scala:[lines 27-52]
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.form doesn't start with an upper case letter In file form.template.scala, lines to In class views.html.bootstrapHelper.form In form.template.scala
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.form$ doesn't start with an upper case letter In file form.template.scala, lines 27 to 92 In class views.html.bootstrapHelper.form$ At form.template.scala:[lines 27-92]
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.link doesn't start with an upper case letter In file link.template.scala, lines to In class views.html.bootstrapHelper.link In link.template.scala
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.link$ doesn't start with an upper case letter In file link.template.scala, lines 28 to 48 In class views.html.bootstrapHelper.link$ At link.template.scala:[lines 28-48]
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.listGroupButton doesn't start with an upper case letter In file listGroupButton.template.scala, lines to In class views.html.bootstrapHelper.listGroupButton In listGroupButton.template.scala The class name views.html.bootstrapHelper.listGroupButton$ doesn't start with an upper case letter

[Class names should start with an upper case letter](#)	Medium	In file listGroupButton.template.scala, lines 29 to 63 In class views.html.bootstrapHelper.listGroupButton$ At listGroupButton.template.scala:[lines 29-63]
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.listGroupFlush doesn't start with an upper case letter In file listGroupFlush.template.scala, lines to In class views.html.bootstrapHelper.listGroupFlush In listGroupFlush.template.scala
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.listGroupFlush$ doesn't start with an upper case letter In file listGroupFlush.template.scala, lines 27 to 55 In class views.html.bootstrapHelper.listGroupFlush$ At listGroupFlush.template.scala:[lines 27-55]
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.listGroupLink doesn't start with an upper case letter In file listGroupLink.template.scala, lines to In class views.html.bootstrapHelper.listGroupLink In listGroupLink.template.scala
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.listGroupLink$ doesn't start with an upper case letter In file listGroupLink.template.scala, lines 29 to 49 In class views.html.bootstrapHelper.listGroupLink$ At listGroupLink.template.scala:[lines 29-49]
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.mainContent doesn't start with an upper case letter In file mainContent.template.scala, lines to In class views.html.bootstrapHelper.mainContent In mainContent.template.scala
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.mainContent$ doesn't start with an upper case letter In file mainContent.template.scala, lines 27 to 53 In class views.html.bootstrapHelper.mainContent$ At mainContent.template.scala:[lines 27-53]
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.sidebarPlusContent doesn't start with an upper case letter In file sidebarPlusContent.template.scala, lines to In class views.html.bootstrapHelper.sidebarPlusContent In sidebarPlusContent.template.scala
[Class names should start with an upper case letter](#)	Medium	The class name views.html.bootstrapHelper.sidebarPlusContent$ doesn't start with an upper case letter In file sidebarPlusContent.template.scala, lines 27 to 54 In class views.html.bootstrapHelper.sidebarPlusContent$ At sidebarPlusContent.template.scala:[lines 27-54]
		The class name views.html.bootstrapHelper.table doesn't

Class names should start with an upper case letter	Medium	start with an upper case letter
		In file table.template.scala, lines to In class views.html.bootstrapHelper.table In table.template.scala
		The class name views.html.bootstrapHelper.table$ doesn't start with an upper case letter
Class names should start with an upper case letter	Medium	In file table.template.scala, lines 27 to 123 In class views.html.bootstrapHelper.table$ At table.template.scala:[lines 27-123]

Correctness Warnings

Warning	Priority	Details
		Null pointer dereference of ? in new router.Routes$$anonfun$routes$1(Routes)
Null pointer dereference	Medium	In file Routes.scala, line 480 In class router.Routes$$anonfun$routes$1 In method new router.Routes$$anonfun$routes$1(Routes) Local variable stored in JVM register ? Dereferenced at Routes.scala:[line 480]

Experimental Warnings

Warning	Priority	Details
		DatabaseInitialization.lambdanew0(Connection) may fail to clean up java.sql.Statement
Method may fail to clean up stream or resource	Medium	In file DatabaseInitialization.java, line 26 In class DatabaseInitialization In method DatabaseInitialization.lambdanew0(Connection) Reference type java.sql.Statement 1 instances of obligation remaining Obligation to clean up resource created at DatabaseInitialization.java:[line 26] is not discharged Path continues at DatabaseInitialization.java:[line 27] Path continues at DatabaseInitialization.java:[line 28] Path continues at DatabaseInitialization.java:[line 29] Path continues at DatabaseInitialization.java:[line 30] Path continues at DatabaseInitialization.java:[line 31] Path continues at DatabaseInitialization.java:[line 32] Path continues at DatabaseInitialization.java:[line 33] Remaining obligations: {Statement x 1}

Malicious code vulnerability Warnings

Warning	Priority	Details
		domainlogic.groupmanager.GroupManagerTests.adminId isn't final

			but should be
[Field isn't final but should be](#)	High		In file GroupManagerTests.java, line 47 In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.adminId At GroupManagerTests.java:[line 47]
			domainlogic.groupmanager.GroupManagerTests.adminsGrpId isn't final but should be
[Field isn't final but should be](#)	High		In file GroupManagerTests.java, line 56 In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.adminsGrpId At GroupManagerTests.java:[line 56]
			domainlogic.groupmanager.GroupManagerTests.allId isn't final but should be
[Field isn't final but should be](#)	High		In file GroupManagerTests.java, line 54 In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.allId At GroupManagerTests.java:[line 54]
			domainlogic.groupmanager.GroupManagerTests.klausId isn't final but should be
[Field isn't final but should be](#)	High		In file GroupManagerTests.java, line 51 In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.klausId At GroupManagerTests.java:[line 51]
			domainlogic.groupmanager.GroupManagerTests.peterId isn't final but should be
[Field isn't final but should be](#)	High		In file GroupManagerTests.java, line 49 In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.peterId At GroupManagerTests.java:[line 49]
			domainlogic.groupmanager.GroupManagerTests.petersGrpId isn't final but should be
[Field isn't final but should be](#)	High		In file GroupManagerTests.java, line 58 In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.petersGrpId At GroupManagerTests.java:[line 58]
			domainlogic.loginmanager.LoginManagerTest.hashHelper isn't final but should be
[Field isn't final but should be](#)	High		In file LoginManagerTest.java, line 28 In class domainlogic.loginmanager.LoginManagerTest Field domainlogic.loginmanager.LoginManagerTest.hashHelper At LoginManagerTest.java:[line 28]
			policy.session.InternalSession.finder isn't final but should be
[Field isn't final but should be](#)	High		In file InternalSession.java, line 61 In class policy.session.InternalSession Field policy.session.InternalSession.finder At InternalSession.java:[line 61]
			policy.session.SessionManagerTest.defaultIp isn't final but should be
[Field isn't final but should be](#)	High		In file SessionManagerTest.java, line 23 In class policy.session.SessionManagerTest

		Field policy.session.SessionManagerTest.defaultIp At SessionManagerTest.java:[line 23]
		policy.session.SessionManagerTest.otherIp isn't final but should be
[Field isn't final but should be](#)	High	In file SessionManagerTest.java, line 24 In class policy.session.SessionManagerTest Field policy.session.SessionManagerTest.otherIp At SessionManagerTest.java:[line 24]
		policy.Specification.instance isn't final but should be
[Field isn't final but should be](#)	High	In file Specification.java, line 8 In class policy.Specification Field policy.Specification.instance At Specification.java:[line 8]
		domainlogic.groupmanager.GroupManagerTests.admin should be package protected
[Field should be package protected](#)	Medium	In file GroupManagerTests.java, lines to In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.admin In GroupManagerTests.java
		domainlogic.groupmanager.GroupManagerTests.admins should be package protected
[Field should be package protected](#)	Medium	In file GroupManagerTests.java, lines to In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.admins In GroupManagerTests.java
		domainlogic.groupmanager.GroupManagerTests.all should be package protected
[Field should be package protected](#)	Medium	In file GroupManagerTests.java, lines to In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.all In GroupManagerTests.java
		domainlogic.groupmanager.GroupManagerTests.klaus should be package protected
[Field should be package protected](#)	Medium	In file GroupManagerTests.java, lines to In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.klaus In GroupManagerTests.java
		domainlogic.groupmanager.GroupManagerTests.peter should be package protected
[Field should be package protected](#)	Medium	In file GroupManagerTests.java, lines to In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.peter In GroupManagerTests.java
		domainlogic.groupmanager.GroupManagerTests.petersGroup should be package protected
[Field should be package protected](#)	Medium	In file GroupManagerTests.java, lines to In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.petersGroup In GroupManagerTests.java
		domainlogic.loginmanager.LoginManagerTest.annika should be

		package protected
[Field should be package protected](#)	Medium	In file LoginManagerTest.java, lines to In class domainlogic.loginmanager.LoginManagerTest Field domainlogic.loginmanager.LoginManagerTest.annika In LoginManagerTest.java
[Field should be package protected](#)	Medium	domainlogic.loginmanager.LoginManagerTest.app should be package protected In file LoginManagerTest.java, lines to In class domainlogic.loginmanager.LoginManagerTest Field domainlogic.loginmanager.LoginManagerTest.app In LoginManagerTest.java
[Field should be package protected](#)	Medium	domainlogic.loginmanager.LoginManagerTest.lydia should be package protected In file LoginManagerTest.java, lines to In class domainlogic.loginmanager.LoginManagerTest Field domainlogic.loginmanager.LoginManagerTest.lydia In LoginManagerTest.java
[Field should be package protected](#)	Medium	LoginFirewallTests.app should be package protected In file LoginFirewallTests.java, lines to In class LoginFirewallTests Field LoginFirewallTests.app In LoginFirewallTests.java
[Field isn't final but should be](#)	Medium	policy.ext.loginFirewall.Firewall.LaggyTsIntervalHours isn't final but should be In file Firewall.java, line 12 In class policy.ext.loginFirewall.Firewall Field policy.ext.loginFirewall.Firewall.LaggyTsIntervalHours At Firewall.java:[line 12]
[Field isn't final but should be](#)	Medium	policy.ext.loginFirewall.Firewall.NIPLoginsTriggerBan isn't final but should be In file Firewall.java, line 15 In class policy.ext.loginFirewall.Firewall Field policy.ext.loginFirewall.Firewall.NIPLoginsTriggerBan At Firewall.java:[line 15]
[Field isn't final but should be](#)	Medium	policy.ext.loginFirewall.Firewall.NIPLoginsTriggerVerification isn't final but should be In file Firewall.java, line 14 In class policy.ext.loginFirewall.Firewall Field policy.ext.loginFirewall.Firewall.NIPLoginsTriggerVerification At Firewall.java:[line 14]
[Field isn't final but should be](#)	Medium	policy.ext.loginFirewall.Firewall.NUidLoginsTriggerVerification isn't final but should be In file Firewall.java, line 16 In class policy.ext.loginFirewall.Firewall Field policy.ext.loginFirewall.Firewall.NUidLoginsTriggerVerification At Firewall.java:[line 16]
		policy.ext.loginFirewall.Firewall.RelevantHours isn't final but should be

[Field isn't final but should be](#)	Medium	In file Firewall.java, line 13 In class policy.ext.loginFirewall.Firewall Field policy.ext.loginFirewall.Firewall.RelevantHours At Firewall.java:[line 13]
[Field should be package protected](#)	Medium	policy.session.SessionManagerTest.app should be package protected In file SessionManagerTest.java, lines to In class policy.session.SessionManagerTest Field policy.session.SessionManagerTest.app In SessionManagerTest.java
[Field should be package protected](#)	Medium	policy.session.SessionManagerTest.hashHelper should be package protected In file SessionManagerTest.java, lines to In class policy.session.SessionManagerTest Field policy.session.SessionManagerTest.hashHelper In SessionManagerTest.java
[Field should be package protected](#)	Medium	policy.session.SessionManagerTest.robin should be package protected In file SessionManagerTest.java, lines to In class policy.session.SessionManagerTest Field policy.session.SessionManagerTest.robin In SessionManagerTest.java
[Field should be package protected](#)	Medium	policy.session.SessionManagerTest.sessionManager should be package protected In file SessionManagerTest.java, lines to In class policy.session.SessionManagerTest Field policy.session.SessionManagerTest.sessionManager In SessionManagerTest.java
[Field should be package protected](#)	Medium	router.RoutesPrefix$.MODULE$ should be package protected In file RoutesPrefix.scala, lines to In class router.RoutesPrefix$ Field router.RoutesPrefix$.MODULE$ In RoutesPrefix.scala
[Field isn't final and can't be protected from malicious code](#)	Medium	views.bootstrapHelper.enums.ButtonClass$.MODULE$ isn't final and can't be protected from malicious code In file ButtonEnum.scala, lines to In class views.bootstrapHelper.enums.ButtonClass$ Field views.bootstrapHelper.enums.ButtonClass$.MODULE$ In ButtonEnum.scala
[Field isn't final and can't be protected from malicious code](#)	Medium	views.bootstrapHelper.enums.ButtonType$.MODULE$ isn't final and can't be protected from malicious code In file ButtonEnum.scala, lines to In class views.bootstrapHelper.enums.ButtonType$ Field views.bootstrapHelper.enums.ButtonType$.MODULE$ In ButtonEnum.scala
[Field isn't final and can't be protected from malicious code](#)	Medium	views.bootstrapHelper.enums.InputType$.MODULE$ isn't final and can't be protected from malicious code In file InputEnum.scala, lines to In class views.bootstrapHelper.enums.InputType$ Field views.bootstrapHelper.enums.InputType$.MODULE$ In InputEnum.scala

		views.bootstrapHelper.enums.LinkClass$.MODULE$ isn't final and can't be protected from malicious code
[Field isn't final and can't be protected from malicious code](#)	Medium	In file LinkEnum.scala, lines to In class views.bootstrapHelper.enums.LinkClass$ Field views.bootstrapHelper.enums.LinkClass$.MODULE$ In LinkEnum.scala
		views.bootstrapHelper.Input$.MODULE$ isn't final and can't be protected from malicious code
[Field isn't final and can't be protected from malicious code](#)	Medium	In file Input.scala, lines to In class views.bootstrapHelper.Input$ Field views.bootstrapHelper.Input$.MODULE$ In Input.scala
		views.html.bootstrapHelper.BootstrapFieldConstructor$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file BootstrapFieldConstructor.template.scala, lines to In class views.html.bootstrapHelper.BootstrapFieldConstructor$ Field views.html.bootstrapHelper.BootstrapFieldConstructor$.MODULE$ In BootstrapFieldConstructor.template.scala
		views.html.bootstrapHelper.button$.MODULE$ isn't final and can't be protected from malicious code
[Field isn't final and can't be protected from malicious code](#)	Medium	In file button.template.scala, lines to In class views.html.bootstrapHelper.button$ Field views.html.bootstrapHelper.button$.MODULE$ In button.template.scala
		views.html.bootstrapHelper.card$.MODULE$ isn't final and can't be protected from malicious code
[Field isn't final and can't be protected from malicious code](#)	Medium	In file card.template.scala, lines to In class views.html.bootstrapHelper.card$ Field views.html.bootstrapHelper.card$.MODULE$ In card.template.scala
		views.html.bootstrapHelper.cardWithTitle$.MODULE$ isn't final and can't be protected from malicious code
[Field isn't final and can't be protected from malicious code](#)	Medium	In file cardWithTitle.template.scala, lines to In class views.html.bootstrapHelper.cardWithTitle$ Field views.html.bootstrapHelper.cardWithTitle$.MODULE$ In cardWithTitle.template.scala
		views.html.bootstrapHelper.center$.MODULE$ isn't final and can't be protected from malicious code
[Field isn't final and can't be protected from malicious code](#)	Medium	In file center.template.scala, lines to In class views.html.bootstrapHelper.center$ Field views.html.bootstrapHelper.center$.MODULE$ In center.template.scala
		views.html.bootstrapHelper.form$.MODULE$ isn't final and can't be protected from malicious code
[Field isn't final and can't be protected from malicious code](#)	Medium	In file form.template.scala, lines to In class views.html.bootstrapHelper.form$ Field views.html.bootstrapHelper.form$.MODULE$ In form.template.scala

[Field isn't final and can't be protected from malicious code](#)	Medium	views.html.bootstrapHelper.link$.MODULE$ isn't final and can't be protected from malicious code

In file link.template.scala, lines to
In class views.html.bootstrapHelper.link$
Field views.html.bootstrapHelper.link$.MODULE$
In link.template.scala |
| [Field isn't final and can't be protected from malicious code](#) | Medium | views.html.bootstrapHelper.listGroupButton$.MODULE$ isn't final and can't be protected from malicious code

In file listGroupButton.template.scala, lines to
In class views.html.bootstrapHelper.listGroupButton$
Field views.html.bootstrapHelper.listGroupButton$.MODULE$
In listGroupButton.template.scala |
| [Field isn't final and can't be protected from malicious code](#) | Medium | views.html.bootstrapHelper.listGroupFlush$.MODULE$ isn't final and can't be protected from malicious code

In file listGroupFlush.template.scala, lines to
In class views.html.bootstrapHelper.listGroupFlush$
Field views.html.bootstrapHelper.listGroupFlush$.MODULE$
In listGroupFlush.template.scala |
| [Field isn't final and can't be protected from malicious code](#) | Medium | views.html.bootstrapHelper.listGroupLink$.MODULE$ isn't final and can't be protected from malicious code

In file listGroupLink.template.scala, lines to
In class views.html.bootstrapHelper.listGroupLink$
Field views.html.bootstrapHelper.listGroupLink$.MODULE$
In listGroupLink.template.scala |
| [Field isn't final and can't be protected from malicious code](#) | Medium | views.html.bootstrapHelper.mainContent$.MODULE$ isn't final and can't be protected from malicious code

In file mainContent.template.scala, lines to
In class views.html.bootstrapHelper.mainContent$
Field views.html.bootstrapHelper.mainContent$.MODULE$
In mainContent.template.scala |
| [Field isn't final and can't be protected from malicious code](#) | Medium | views.html.bootstrapHelper.sidebarPlusContent$.MODULE$ isn't final and can't be protected from malicious code

In file sidebarPlusContent.template.scala, lines to
In class views.html.bootstrapHelper.sidebarPlusContent$
Field views.html.bootstrapHelper.sidebarPlusContent$.MODULE$
In sidebarPlusContent.template.scala |
| [Field isn't final and can't be protected from malicious code](#) | Medium | views.html.bootstrapHelper.table$.MODULE$ isn't final and can't be protected from malicious code

In file table.template.scala, lines to
In class views.html.bootstrapHelper.table$
Field views.html.bootstrapHelper.table$.MODULE$
In table.template.scala |
| [Field should be package protected](#) | Medium | views.html.ChangePasswordAfterReset$.MODULE$ should be package protected

In file ChangePasswordAfterReset.template.scala, lines to
In class views.html.ChangePasswordAfterReset$
Field views.html.ChangePasswordAfterReset$.MODULE$
In ChangePasswordAfterReset.template.scala |
| [Field should be package](#) | | views.html.CreateGroup$.MODULE$ should be package protected

In file CreateGroup.template.scala, lines to |

[protected](#)	Medium	In class views.html.CreateGroup$ Field views.html.CreateGroup$.MODULE$ In CreateGroup.template.scala
		views.html.CreateUser$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file CreateUser.template.scala, lines to In class views.html.CreateUser$ Field views.html.CreateUser$.MODULE$ In CreateUser.template.scala
		views.html.GroupMembersList$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file GroupMembersList.template.scala, lines to In class views.html.GroupMembersList$ Field views.html.GroupMembersList$.MODULE$ In GroupMembersList.template.scala
		views.html.Index$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file Index.template.scala, lines to In class views.html.Index$ Field views.html.Index$.MODULE$ In Index.template.scala
		views.html.Login$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file Login.template.scala, lines to In class views.html.Login$ Field views.html.Login$.MODULE$ In Login.template.scala
		views.html.Main$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file Main.template.scala, lines to In class views.html.Main$ Field views.html.Main$.MODULE$ In Main.template.scala
		views.html.OwnGroupsList$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file OwnGroupsList.template.scala, lines to In class views.html.OwnGroupsList$ Field views.html.OwnGroupsList$.MODULE$ In OwnGroupsList.template.scala
		views.html.ResetUserPassword$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file ResetUserPassword.template.scala, lines to In class views.html.ResetUserPassword$ Field views.html.ResetUserPassword$.MODULE$ In ResetUserPassword.template.scala
		views.html.UserCreated$.MODULE$ should be package protected
[Field should be package protected](#)	Medium	In file UserCreated.template.scala, lines to In class views.html.UserCreated$ Field views.html.UserCreated$.MODULE$ In UserCreated.template.scala
		views.html.UserList$.MODULE$ should be package protected

Field should be package protected	Medium	In file UserList.template.scala, lines to In class views.html.UserList$ Field views.html.UserList$.MODULE$ In UserList.template.scala
		views.html.UserSessions$.MODULE$ should be package protected
Field should be package protected	Medium	In file UserSessions.template.scala, lines to In class views.html.UserSessions$ Field views.html.UserSessions$.MODULE$ In UserSessions.template.scala

Performance Warnings

Warning	Priority	Details
		Should StartModule$EbeanServerProvider be a _static_ inner class?
Should be a static inner class	Medium	In file StartModule.java, lines 18 to 20 In class StartModule$EbeanServerProvider At StartModule.java:[lines 18-20]

Dodgy code Warnings

Warning	Priority	Details
		Class router.Routes$$anonfun$routes$1 has a circular dependency with other classes
Test for circular dependencies among classes	Medium	In file Routes.scala, lines 480 to 611 In class router.Routes$$anonfun$routes$1 In class router.Routes At Routes.scala:[lines 480-611]
		Class views.bootstrapHelper.Input$ has a circular dependency with other classes
Test for circular dependencies among classes	Medium	In file Input.scala, lines 6 to 20 In class views.bootstrapHelper.Input$ In class views.bootstrapHelper.Input At Input.scala:[lines 6-20]
		Dead store to dg in controllers.GroupController.deleteGroup(Long)
Dead store to local variable	Medium	In file GroupController.java, line 144 In class controllers.GroupController In method controllers.GroupController.deleteGroup(Long) Local variable named dg At GroupController.java:[line 144] At GroupController.java:[line 144]
		Dead store to currentUser in domainlogic.groupmanager.GroupManager.getGroup(Long, Long)
Dead store to local variable	Medium	In file GroupManager.java, line 77 In class domainlogic.groupmanager.GroupManager In method domainlogic.groupmanager.GroupManager.getGroup(Long, Long) Local variable named currentUser At GroupManager.java:[line 77] At GroupManager.java:[line 77]

		Dead store to users in domainlogic.groupmanager.GroupManagerTests.cannotSeeGroupMembersOfAnotherGroup()
[Dead store to local variable](#)	Medium	In file GroupManagerTests.java, line 140 In class domainlogic.groupmanager.GroupManagerTests In method domainlogic.groupmanager.GroupManagerTests.cannotSeeGroupMembersOfAnotherGroup() Local variable named users At GroupManagerTests.java:[line 140] At GroupManagerTests.java:[line 140]
		Write to static field domainlogic.loginmanager.LoginManagerTest.annika from instance method domainlogic.loginmanager.LoginManagerTest.setup()
[Write to static field from instance method](#)	Medium	In file LoginManagerTest.java, line 79 In class domainlogic.loginmanager.LoginManagerTest In method domainlogic.loginmanager.LoginManagerTest.setup() Field domainlogic.loginmanager.LoginManagerTest.annika At LoginManagerTest.java:[line 79] At LoginManagerTest.java:[line 79]
		Write to static field domainlogic.loginmanager.LoginManagerTest.lydia from instance method domainlogic.loginmanager.LoginManagerTest.setup()
[Write to static field from instance method](#)	Medium	In file LoginManagerTest.java, line 75 In class domainlogic.loginmanager.LoginManagerTest In method domainlogic.loginmanager.LoginManagerTest.setup() Field domainlogic.loginmanager.LoginManagerTest.lydia At LoginManagerTest.java:[line 75] At LoginManagerTest.java:[line 75]
		Write to static field GroupMemberPolicyTests.petersSession from instance method GroupMemberPolicyTests.setupBeforeAll()
[Write to static field from instance method](#)	Medium	In file GroupMemberPolicyTests.java, line 68 In class GroupMemberPolicyTests In method GroupMemberPolicyTests.setupBeforeAll() Field GroupMemberPolicyTests.petersSession At GroupMemberPolicyTests.java:[line 68] At GroupMemberPolicyTests.java:[line 68]
		Write to static field LoginFirewallTests.fwInstanceOne from instance method LoginFirewallTests.setup()
[Write to static field from instance method](#)	Medium	In file LoginFirewallTests.java, line 46 In class LoginFirewallTests In method LoginFirewallTests.setup() Field LoginFirewallTests.fwInstanceOne At LoginFirewallTests.java:[line 46] At LoginFirewallTests.java:[line 46]
		Write to static field LoginFirewallTests.fwInstanceTwo from instance method LoginFirewallTests.setup()
[Write to static field from instance method](#)	Medium	In file LoginFirewallTests.java, line 47 In class LoginFirewallTests In method LoginFirewallTests.setup() Field LoginFirewallTests.fwInstanceTwo At LoginFirewallTests.java:[line 47] At LoginFirewallTests.java:[line 47]
		Unread public/protected field: domainlogic.groupmanager.GroupManagerTests.mockitoRule
[Unread public/protected field](#)	Medium	In file GroupManagerTests.java, line 39 In class domainlogic.groupmanager.GroupManagerTests Field domainlogic.groupmanager.GroupManagerTests.mockitoRule At GroupManagerTests.java:[line 39]

Warning Types

Test for circular dependencies among classes

This class has a circular dependency with other classes. This makes building these classes difficult, as each is dependent on the other to build correctly. Consider using interfaces to break the hard dependency.

Dead store to local variable

This instruction assigns a value to a local variable, but the value is not read or used in any subsequent instruction. Often, this indicates an error, because the value computed is never used.

Note that Sun's javac compiler often generates dead stores for final local variables. Because FindBugs is a bytecode-based tool, there is no easy way to eliminate these false positives.

Field isn't final and can't be protected from malicious code

A mutable static field could be changed by malicious code or by accident from another package. Unfortunately, the way the field is used doesn't allow any easy fix to this problem.

Field isn't final but should be

This static field public but not final, and could be changed by malicious code or by accident from another package. The field could be made final to avoid this vulnerability.

Field should be package protected

A mutable static field could be changed by malicious code or by accident. The field could be made package protected to avoid this vulnerability.

Class names should start with an upper case letter

Class names should be nouns, in mixed case with the first letter of each internal word capitalized. Try to keep your class names simple and descriptive. Use whole words-avoid acronyms and abbreviations (unless the abbreviation is much more widely used than the long form, such as URL or HTML).

Field names should start with a lower case letter

Names of fields that are not final should be in mixed case with a lowercase first letter and the first letters of subsequent words capitalized.

Method names should start with a lower case letter

Methods should be verbs, in mixed case with the first letter lowercase, with the first letter of each internal word capitalized.

Null pointer dereference

A null pointer is dereferenced here. This will lead to a `NullPointerException` when the code is executed.

Method may fail to clean up stream or resource

This method may fail to clean up (close, dispose of) a stream, database object, or other resource requiring an explicit cleanup operation.

In general, if a method opens a stream or other resource, the method should use a try/finally block to ensure that the stream or resource is cleaned up before the method returns.

This bug pattern is essentially the same as the OS_OPEN_STREAM and ODR_OPEN_DATABASE_RESOURCE bug patterns, but is based on a different (and hopefully better) static analysis technique. We are interested is getting feedback about the usefulness of this bug pattern. To send feedback, either:

- send email to findbugs@cs.umd.edu
- file a bug report: http://findbugs.sourceforge.net/reportingBugs.html

In particular, the false-positive suppression heuristics for this bug pattern have not been extensively tuned, so reports about false positives are helpful to us.

See Weimer and Necula, *Finding and Preventing Run-Time Error Handling Mistakes*, for a description of the analysis technique.

Should be a static inner class

This class is an inner class, but does not use its embedded reference to the object which created it. This reference makes the instances of the class larger, and may keep the reference to the creator object alive longer than necessary. If possible, the class should be made static.

Write to static field from instance method

This instance method writes to a static field. This is tricky to get correct if multiple instances are being manipulated, and generally bad practice.

Unread public/protected field

This field is never read. The field is public or protected, so perhaps it is intended to be used with classes not seen as part of the analysis. If not, consider removing it from the class.