



GUI Framework Automation

JetBrains spring practice 2018
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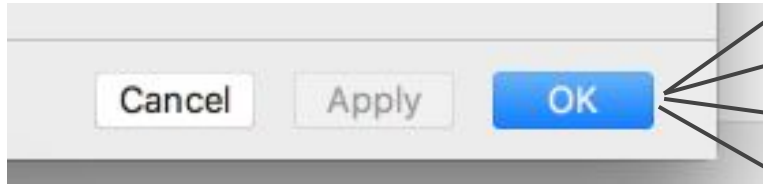


- Manual tests by QA
- Unit tests
- EAP (Beta) program



- EAP/Release acceptance
- Regression
- Sanity
- Smoke
- Integration

Framework agent



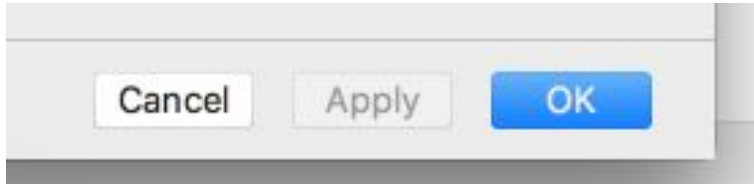
String getText()

Position getPosition()

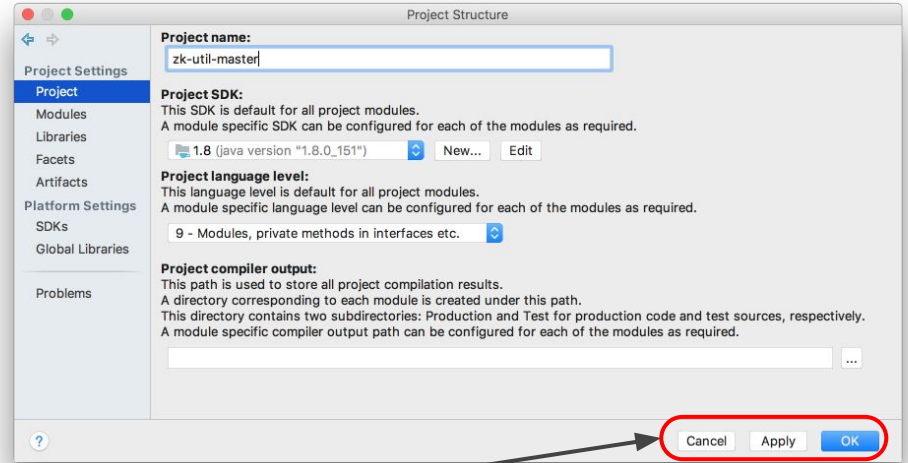
boolean isEnabled()

void click()

Framework agent



Screenshot



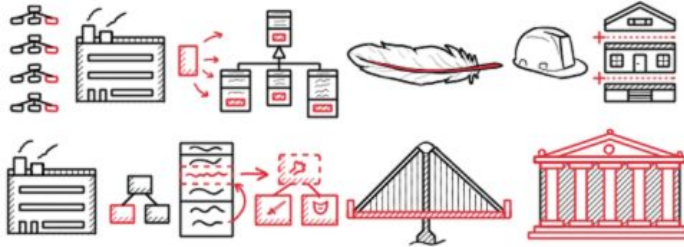
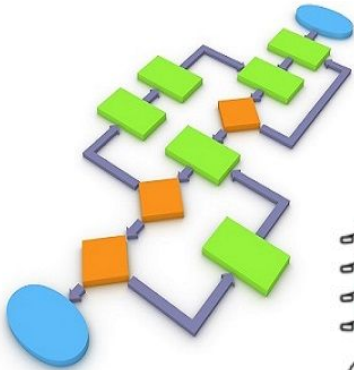
[Text, Position, State, ...]

```
[04:04:29] [Step 1/1] Merging 'META-INF\maven\jline\jline\pom.properties' with strategy 'discard'
[04:04:29] [Step 1/1] Merging 'META-INF\maven\jline\jline\pom.xml' with strategy 'discard'
[04:04:29] [Step 1/1] Merging 'META-INF\maven\org.apache.logging.log4j\log4j-api\pom.properties' with strategy 'discard'
[04:04:29] [Step 1/1] Merging 'META-INF\maven\org.apache.logging.log4j\log4j-api\pom.xml' with strategy 'discard'
[04:04:29] [Step 1/1] Merging 'META-INF\maven\org.apache.logging.log4j\log4j-core\pom.properties' with strategy 'discard'
[04:04:29] [Step 1/1] Merging 'META-INF\maven\org.apache.logging.log4j\log4j-core\pom.xml' with strategy 'discard'
[04:04:29] [Step 1/1] Merging 'META-INF\maven\org.slf4j\slf4j-api\pom.properties' with strategy 'discard'
[04:04:29] [Step 1/1] Merging 'META-INF\maven\org.slf4j\slf4j-api\pom.xml' with strategy 'discard'
[04:04:30] [Step 1/1] Strategy 'discard' was applied to 20 files
[04:04:30] [Step 1/1] Strategy 'rename' was applied to 2 files
[04:04:30] [Step 1/1] [info] SHA-1: c25fd3e34a70d88acac7013f50ed1fa2ddb284d6
[04:04:30] [Step 1/1] [info] Packaging C:\BuildAgent\work\baa0af01bcb7cc83\community\target\tools\zinc\target\scala-2.12\repackagedZinc-assembly-0.1-SNAPSHOT.jar ...
[04:04:38] [Step 1/1] [info] Done updating.
[04:04:41] [Step 1/1] Scala compiler (5m:02s)
[04:04:49] [Step 1/1] [info] Done packaging.
[04:04:52] [Step 1/1] [info] Compiling 1 Scala source to C:\BuildAgent\work\baa0af01bcb7cc83\community\scala\compiler-jps\target\scala-2.12\classes...
[04:04:52] [Step 1/1] [info] Compiling 2432 Scala sources and 184 Java sources to C:\BuildAgent\work\baa0af01bcb7cc83\community\scala\scala-impl\target\scala-2.12\classes...
[04:04:57] [Step 1/1] [info] Packaging C:\BuildAgent\work\baa0af01bcb7cc83\community\scala\compiler-jps\target\scala-2.12\compiler-jps_2.12-0.1-SNAPSHOT.jar ...
[04:04:57] [Step 1/1] [info] Done packaging.
[04:09:12] [Step 1/1] [info] C:\BuildAgent\work\baa0af01bcb7cc83\community\scala\scala-impl\src\org\jetbrains\plugins\scala\ScalaLoader.java: Some input files use or override a deprecated
[04:09:12] [Step 1/1] [info] C:\BuildAgent\work\baa0af01bcb7cc83\community\scala\scala-impl\src\org\jetbrains\plugins\scala\ScalaLoader.java: Recompile with -Xlint:deprecation for detail
[04:09:12] [Step 1/1] [info] C:\BuildAgent\work\baa0af01bcb7cc83\community\scala\scala-impl\src\org\jetbrains\plugins\hydra\compiler\HydraCompilerConfigurationPanel.java: Some input file
[04:09:12] [Step 1/1] [info] C:\BuildAgent\work\baa0af01bcb7cc83\community\scala\scala-impl\src\org\jetbrains\plugins\hydra\compiler\HydraCompilerConfigurationPanel.java: Recompile with
[04:09:44] [Step 1/1] [info] Compiling 43 Scala sources and 13 Java sources to C:\BuildAgent\work\baa0af01bcb7cc83\ssp\target\scala-2.12\classes...
[04:09:44] [Step 1/1] [info] Compiling 14 Scala sources to C:\BuildAgent\work\baa0af01bcb7cc83\js\target\scala-2.12\classes...
[04:09:44] [Step 1/1] [info] Compiling 12 Scala sources to C:\BuildAgent\work\baa0af01bcb7cc83\akka\target\scala-2.12\classes...
[04:09:44] [Step 1/1] [info] Compiling 157 Scala sources and 36 Java sources to C:\BuildAgent\work\baa0af01bcb7cc83\play\target\scala-2.12\classes...
[04:09:44] [Step 1/1] [info] Compiling 1 Scala source to C:\BuildAgent\work\baa0af01bcb7cc83\jpa\target\scala-2.12\classes...
[04:09:45] [Step 1/1] [info] Compiling 5 Scala sources to C:\BuildAgent\work\baa0af01bcb7cc83\lift\target\scala-2.12\classes...
[04:09:50] [Step 1/1] [info] Packaging C:\BuildAgent\work\baa0af01bcb7cc83\community\target\tools\scalaPluginJarPackager\target\scala-2.12\scalaPluginJarPackager_2.12-0.1-SNAPSHOT.jar ..
[04:10:11] [Step 1/1] [info] Done packaging.
[04:10:12] [Scala compiler] C:\BuildAgent\work\baa0af01bcb7cc83\play\src\com\intelliJ\scala\play\language\psi\light\routes\Play2RoutesClassesCache.scala:83: value multiResolveScala is
[04:10:12] [Scala compiler] case ref: ScReferenceExpression => ref.multiResolveScala(false).headOption.map(_ => getElement)
[04:10:12] [Scala compiler] ^
[04:10:13] [Scala compiler] C:\BuildAgent\work\baa0af01bcb7cc83\play\src\com\intelliJ\scala\play\language\psi\light\routes\Play2RoutesClassesCache.scala:100: value += is not a member
[04:10:13] [Scala compiler] case None => controllers += contClazz -> Map(methodName -> params)
[04:10:13] [Scala compiler] ^
[04:10:14] [Scala compiler] C:\BuildAgent\work\baa0af01bcb7cc83\play\src\com\intelliJ\scala\play\language\psi\routing\Play2RoutingReference.scala:90: value EMPTY_ARRAY is not a member
[04:10:14] [Scala compiler] case _ => ScalaResolveResult.EMPTY_ARRAY
[04:10:14] [Scala compiler] ^
[04:10:14] [Scala compiler] C:\BuildAgent\work\baa0af01bcb7cc83\play\src\com\intelliJ\scala\play\language\psi\routing\Play2RoutingReference.scala:92: value EMPTY_ARRAY is not a member
[04:10:14] [Scala compiler] } getOrElse ScalaResolveResult.EMPTY_ARRAY
[04:10:14] [Scala compiler] ^
```

Skillset

Скриншот-верификация

Видеофиксация



References

- Тестовое задание:
 - Скриншот-верификация: <https://stepik.org/lesson/68755/>
 - Видеофиксация: <https://stepik.org/lesson/68756>
- Описание проектов:
 - <https://jetbrains.ru/students/practice/themes/ui-elements-in-gui-automation-framework/>
 - <https://jetbrains.ru/students/practice/themes/video-of-intellij-idea/>
- E-mail: anton.yalyshev@jetbrains.com