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Carrera: Ingeniería en Sistemas de Información y ciencias de Computación
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Curso: Aseguramiento de la Calidad del Software
Sección: "B"

Segunda Fase Proyecto Quiniela

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INTRODUCCION

La calidad del software es importante en toda empresa ya que, si tenemos un software con la menor cantidad de errores, el usuario podrá realizar sus tareas sin inconvenientes con menos soporte y no sería necesario el aumento de recurso humano. Para eso es importante el aprendizaje de las buenas prácticas y metodologías de desarrollo ágil, que nos ayudan a realizar de mejor manera el trabajo y teniendo la seguridad que nuestro trabajo será cada vez mejor.

Por lo tanto, para poder realizar la segunda fase de nuestro proyecto se implementaron los diversos softwares que nos ayuda a ver cómo podemos mejorar en caso de errores para que las aplicaciones puedan funcionar sin problemas. Entre los softwares podemos mencionar Jenkins que es una herramienta open source que nos ayuda en la integración para compilar y probar nuestro proyecto.

También podemos mencionar a Sonarqube que analiza los códigos fuentes para obtener métricas que nos ayuda a mejorar la calidad del software. Es importante poner en práctica todo lo que aprendimos en clase, porque esto nos enseña a mejorar la calidad de nuestro trabajo.

La integración continua es una práctica dentro del desarrollo del software integrando github, Jenkins y sonarqube, esto con la finalidad que todo el equipo de desarrollo aloje su Código en el repositorio, lo cual nos ayudara a mejorar la calidad del código, con la detección temprana de errores, reduciendo así el número de tareas repetitivas y manuales, mejor seguimiento del estado del proyecto y mejor resultado final.

Objetivos

Hacer uso de la diferente herramienta para iniciar el proceso de integración el cual facilitaría el trabajo.

Agrupar información clave en torno al tema de la integración continua.

Realizar la debida configuración en el servidor de integración continua para la automatización de tareas.

Que podamos realizar un mejor trabajo de calidad orientando a los desarrolladores, con el fin de que se creen test unitarios para todas las aplicaciones.

Alcances

Tener un repositorio maestro donde esté disponible todo el código fuente y del que cualquier integrante del equipo pueda obtenerlo.

Automatizar el proceso de integración para que cualquier persona pueda generar una versión ejecutable del sistema a partir del código fuente.

Automatizar las pruebas para que sea posible ejecutar la matriz (suite) de pruebas en cualquier momento con un solo comando.

Asegurar que cualquiera puede obtener el ejecutable más reciente y tener la confianza de que es la mejor versión hasta el momento.

Integración continua.

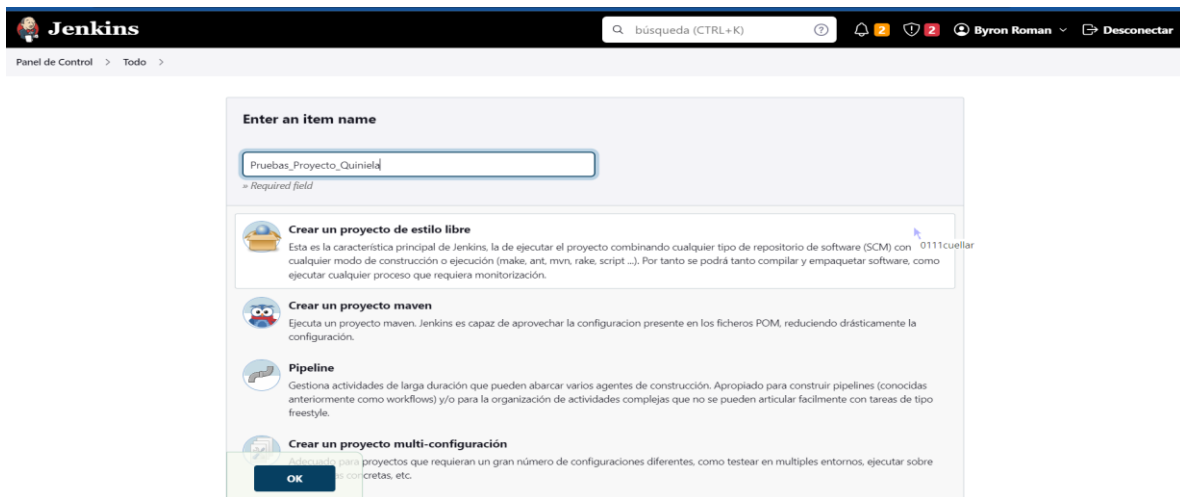
La integración continua permite a los equipos de proyectos construir, probar y liberar software a un ritmo más rápido. Porque incorporar la integración continua es posible automatizar las tareas realizar excepto la entrega de código a producción. Se puede decir

que la CI incorpora la automatización continua y el control permanente de todas las aplicaciones.

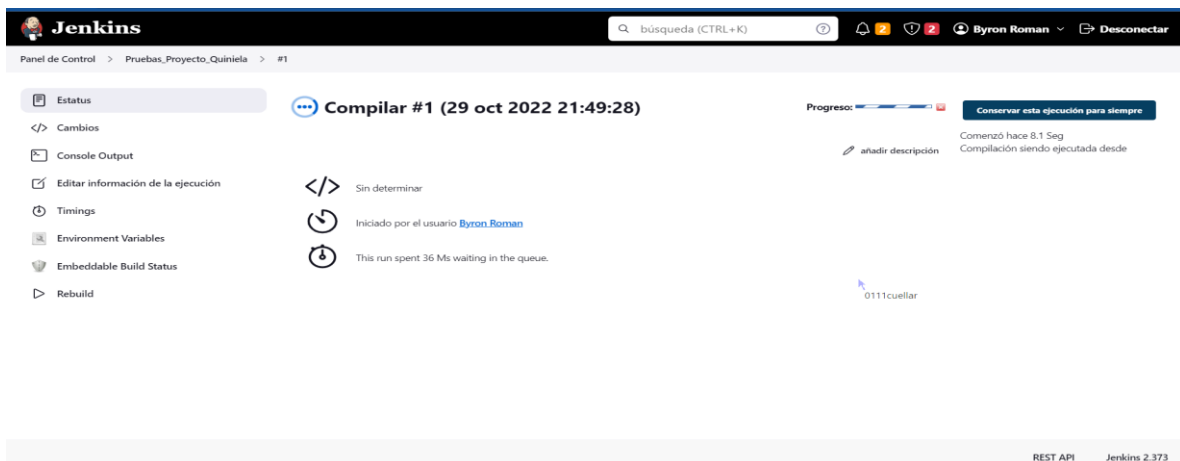
Integración de Jenkins y Sonarqube

Para realizar la prueba de nuestro Código se realizó la integración de Jenkins y Sonarqube, lo cual nos ayudara a establecer las métricas necesarias para las mejoras en el mismo.

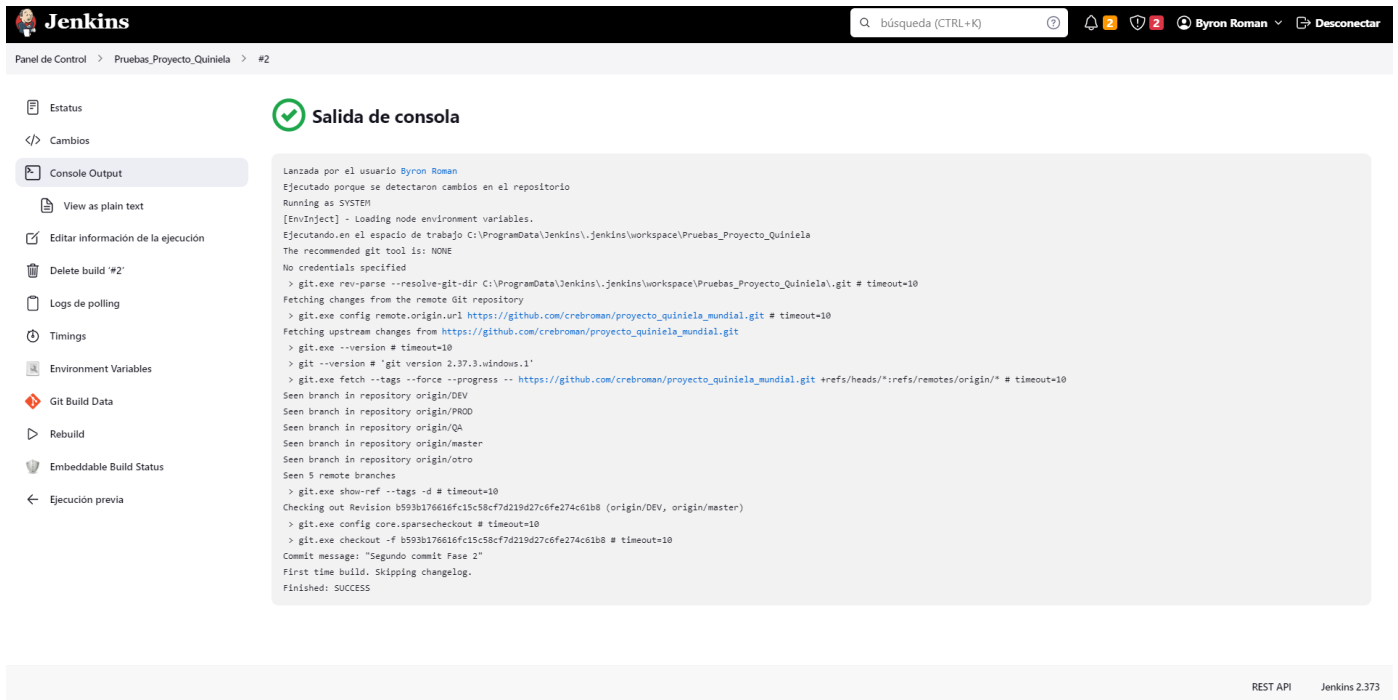
Se crea un Jobs en Jenkins que nos ayudara al análisis de nuestro código



Se procede a compilar nuestra tarea



En la consola se pueden ver los procesos que corre y los cuales ya integrando para el análisis del código.



The screenshot shows the Jenkins web interface. The top navigation bar includes the Jenkins logo, a search bar, and user information for 'Byron Roman'. The main content area is titled 'Salida de consola' (Console Output) and displays the output of a build process. The output shows the execution of various commands, including setting environment variables, fetching changes from a remote repository, and checking out a specific revision. The build is marked as 'SUCCESS'.

Panel de Control > Pruebas_Proyecto_Quiniela > #2

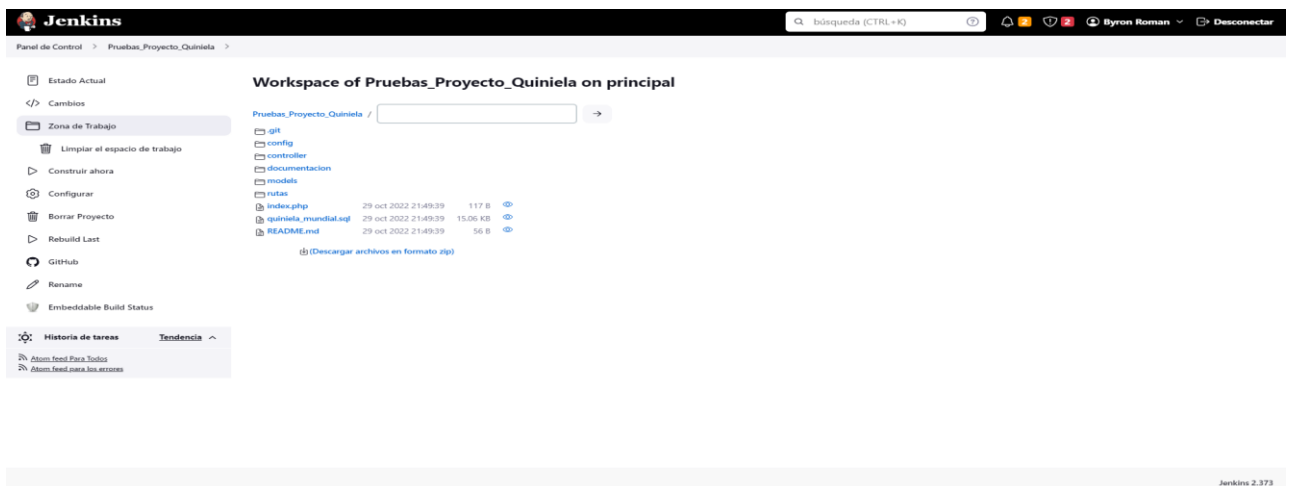
ESTATUS Cambios Console Output View as plain text Editar información de la ejecución Delete build '#2' Logs de polling Timings Environment Variables Git Build Data Rebuild Embeddable Build Status Ejecución previa

Salida de consola

```
Lanzada por el usuario Byron Roman
Ejecutado porque se detectaron cambios en el repositorio
Running as SYSTEM
[EnvInject] - Loading node environment variables.
Ejecutando en el espacio de trabajo C:\ProgramData\Jenkins\workspace\Pruebas_Proyecto_Quiniela
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\workspace\Pruebas_Proyecto_Quiniela.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/crebroman/proyecto_quiniela_mundial.git # timeout=10
Fetching upstream changes from https://github.com/crebroman/proyecto_quiniela_mundial.git
> git.exe --version # timeout=10
> git --version # 'git version 2.37.3.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/crebroman/proyecto_quiniela_mundial.git +refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/DEV
Seen branch in repository origin/PROD
Seen branch in repository origin/QA
Seen branch in repository origin/master
Seen branch in repository origin/otro
Seen 5 remote branches
> git.exe show-ref --tags -d # timeout=10
Checking out Revision b593b176616fc15c58cf7d219d27c6fe274c61b8 (origin/DEV, origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f b593b176616fc15c58cf7d219d27c6fe274c61b8 # timeout=10
Commit message: "Segundo commit Fase 2"
First time build. Skipping changelog.
Finished: SUCCESS
```

REST API Jenkins 2.373

Ser realiza la configuración para la integración con Sonarqube.



The screenshot shows the Jenkins web interface displaying the workspace of a build. The workspace is titled 'Workspace of Pruebas_Proyecto_Quiniela on principal'. It lists the files and directories in the workspace, including 'git', 'config', 'controller', 'documentation', 'models', 'tutias', 'index.php', 'quiniela_mundial.org', and 'README.md'. The files are listed with their last modified date, time, and size. The workspace is currently empty, and the build is marked as 'SUCCESS'.

Panel de Control > Pruebas_Proyecto_Quiniela >

Estado Actual Cambios Zona de Trabajo Limpiar el espacio de trabajo Construir ahora Configurar Borrar Proyecto Rebuild Last GitHub Rename Embeddable Build Status Historia de tareas Tendencia

Workspace of Pruebas_Proyecto_Quiniela on principal

Pruebas_Proyecto_Quiniela /

File	Last Modified	Size
git	29 oct 2022 21:49:39	117 B
config	29 oct 2022 21:49:39	15.06 KB
controller	29 oct 2022 21:49:39	56 B
documentation	29 oct 2022 21:49:39	56 B
models	29 oct 2022 21:49:39	56 B
tutias	29 oct 2022 21:49:39	56 B
index.php	29 oct 2022 21:49:39	15.06 KB
quiniela_mundial.org	29 oct 2022 21:49:39	56 B
README.md	29 oct 2022 21:49:39	56 B

Jenkins 2.373

Configuration

- General
- Configurar el origen del código fuente
- Disparadores de ejecuciones
- Entorno de ejecución
- Build Steps**
- Acciones para ejecutar después.

(Inherit From Job)

Path to project properties ?

Analysis properties ?

#Project Identification

```
sonar.host.url=http://localhost:9000
sonar.login=admin
sonar.password=admin
sonar.projectKey=Laboratorio_P
sonar.projectName=Laboratorio_ProyectoQuiniela
sonar.projectVersion=1
sonar.projectDescription=Laboratorio de Integración Continua
```

#Especificación de Propiedades

```
#sonar.sources=.
#sonar.tests=src
sonar.test.inclusions=*/specs
sonar.sourceEncoding=UTF-8
```

Integración de Sonarqube con Jenkins.

Panel de Control > Todo > Prueba_Proyecto_quiniela >

↑ Volver al Panel de Control

📄 Estado Actual

</> Cambios

📁 Zona de Trabajo

▶ Construir ahora

⚙️ Configurar

🗑️ Borrar Proyecto

▶ Rebuild Last

★ Favorite

🔄 GitHub

🌊 SonarQube

🌊 Open Blue Ocean

✎ Rename

Proyecto Prueba_Proyecto_quiniela

SonarQube

SonarQube Quality Gate

Laboratorio_ProyectoQuiniela **Passed**

server-side processing: **Success**

Enlaces permanentes

- "Última ejecución (#17) hace 5.3 Seg"
- "Última ejecución estable (#16) hace 13 Hor"
- "Última ejecución correcta (#16) hace 13 Hor"
- "Última ejecución fallida (#7) hace 14 Hor"
- "Última ejecución fallida (#7) hace 14 Hor"
- "Last completed build (#16) hace 13 Hor"

Salida de consola

Lanzada por el usuario [Byron Roman](#)

Running as SYSTEM

[EnvInject] - Loading node environment variables.

Ejecutando en el espacio de trabajo

C:\ProgramData\Jenkins\jenkins\workspace\Pruebas_Proyecto_Quiniela

The recommended git tool is: NONE

No credentials specified

> git.exe rev-parse --resolve-git-dir

C:\ProgramData\Jenkins\jenkins\workspace\Pruebas_Proyecto_Quiniela\.git # timeout=10

Fetching changes from the remote Git repository

> git.exe config remote.origin.url https://github.com/crebroman/proyecto_quiniela_mundial.git

timeout=10

```
Fetching upstream changes from https://github.com/crebroman/proyecto\_quiniela\_mundial.git
> git.exe --version # timeout=10
> git --version # 'git version 2.37.3.windows.1'
> git.exe fetch --tags --force --progress --
https://github.com/crebroman/proyecto\_quiniela\_mundial.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/DEV
Seen branch in repository origin/PROD
Seen branch in repository origin/QA
Seen branch in repository origin/master
Seen branch in repository origin/otro
Seen 5 remote branches
> git.exe show-ref --tags -d # timeout=10
Checking out Revision f31675b7b254da5a419741522368e7075e7ce7c5 (origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f f31675b7b254da5a419741522368e7075e7ce7c5 # timeout=10
Commit message: "Update README.md (#3)"
> git.exe rev-list --no-walk f31675b7b254da5a419741522368e7075e7ce7c5 # timeout=10
[Pruebas_Proyecto_Quiniela] $
C:\ProgramData\Jenkins\jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\Scanner
SonarQ\bin\sonar-scanner.bat -Dsonar.host.url=http://localhost:9000 -
Dsonar.projectKey=Proyecto_Quiniela_Mundial -
Dsonar.projectName=Fase2_Quiniela_Mundial -Dsonar.sourceEncoding=UTF-8 "-
Dsonar.projectDescription=Proyecto Fase 2 Quiniela Mundial" -
Dsonar.host.url=http://localhost:9000 -Dsonar.login=UserJenkins -Dsonar.projectVersion=1 -
Dsonar.sources=. -Dsonar.password=pwia.g1 -
Dsonar.projectBaseDir=C:\ProgramData\Jenkins\jenkins\workspace\Pruebas_Proyecto_Quini
ela
WARN: Property 'sonar.host.url' with value 'http://localhost:9000' is overridden with value
'http://localhost:9000'
INFO: Scanner configuration file:
C:\ProgramData\Jenkins\jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\Scanner
SonarQ\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: NONE
INFO: SonarScanner 4.7.0.2747
INFO: Java 17 Oracle Corporation (64-bit)
INFO: Windows 10 10.0 amd64
INFO: User cache: C:\Users\Byron\.sonar\cache
INFO: Scanner configuration file:
C:\ProgramData\Jenkins\jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\Scanner
SonarQ\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: NONE
INFO: Analyzing on SonarQube server 9.7.0.61563
INFO: Default locale: "es_GT", source code encoding: "UTF-8"
INFO: Load global settings
INFO: Load global settings (done) | time=305ms
INFO: Server id: 147B411E-AYP5PROBVCmywltu2VeQ
INFO: User cache: C:\Users\Byron\.sonar\cache
INFO: Load/download plugins
INFO: Load plugins index
INFO: Load plugins index (done) | time=242ms
```


INFO: Load/download plugins (done) | time=347ms
INFO: Process project properties
INFO: Process project properties (done) | time=15ms
INFO: Execute project builders
INFO: Execute project builders (done) | time=3ms
INFO: Project key: Proyecto_Quiniela_Mundial
INFO: Base dir: C:\ProgramData\Jenkins\.jenkins\workspace\Pruebas_Proyecto_Quiniela
INFO: Working dir:
C:\ProgramData\Jenkins\.jenkins\workspace\Pruebas_Proyecto_Quiniela\scannerwork
INFO: Load project settings for component key: 'Proyecto_Quiniela_Mundial'
INFO: Load project settings for component key: 'Proyecto_Quiniela_Mundial' (done) |
time=309ms
INFO: Auto-configuring with CI 'Jenkins'
INFO: Load quality profiles
INFO: Load quality profiles (done) | time=260ms
INFO: Load active rules
INFO: Load active rules (done) | time=7609ms
INFO: Load analysis cache
INFO: Load analysis cache (404) | time=298ms
INFO: Load project repositories
INFO: Load project repositories (done) | time=410ms
INFO: Indexing files...
INFO: Project configuration:
INFO: 38 files indexed
INFO: 0 files ignored because of scm ignore settings
INFO: Quality profile for php: Sonar way
INFO: ----- Run sensors on module Fase2_Quiniela_Mundial
INFO: Load metrics repository
INFO: Load metrics repository (done) | time=413ms
INFO: Sensor JaCoCo XML Report Importer [jacoco]
INFO: 'sonar.coverage.jacoco.xmlReportPaths' is not defined. Using default locations:
target/site/jacoco/jacoco.xml,target/site/jacoco-
it/jacoco.xml,build/reports/jacoco/test/jacocoTestReport.xml
INFO: No report imported, no coverage information will be imported by JaCoCo XML Report
Importer
INFO: Sensor JaCoCo XML Report Importer [jacoco] (done) | time=5ms
INFO: Sensor CSS Rules [javascript]
INFO: 34 source files to be analyzed
INFO: 34/34 source files have been analyzed
INFO: Hit the cache for 0 out of 0
INFO: Miss the cache for 0 out of 0
INFO: Sensor CSS Rules [javascript] (done) | time=23111ms
INFO: Sensor C# Project Type Information [csharp]
INFO: Sensor C# Project Type Information [csharp] (done) | time=3ms
INFO: Sensor C# Analysis Log [csharp]
INFO: Sensor C# Analysis Log [csharp] (done) | time=30ms
INFO: Sensor C# Properties [csharp]
INFO: Sensor C# Properties [csharp] (done) | time=0ms
INFO: Sensor HTML [web]
INFO: Sensor HTML [web] (done) | time=105ms
INFO: Sensor PHP sensor [php]

INFO: Starting PHP symbol indexer
INFO: 34 source files to be analyzed
INFO: 34/34 source files have been analyzed
INFO: Starting PHP rules
INFO: 34 source files to be analyzed
INFO: 34/34 source files have been analyzed
INFO: No PHPUnit tests reports provided (see 'sonar.php.tests.reportPath' property)
INFO: No PHPUnit coverage reports provided (see 'sonar.php.coverage.reportPaths' property)
INFO: Sensor PHP sensor [php] (done) | time=5656ms
INFO: Sensor Analyzer for "php.ini" files [php]
INFO: Sensor Analyzer for "php.ini" files [php] (done) | time=6ms
INFO: Sensor Text Sensor [text]
INFO: 34 source files to be analyzed
INFO: 34/34 source files have been analyzed
INFO: Sensor Text Sensor [text] (done) | time=58ms
INFO: Sensor VB.NET Project Type Information [vbnet]
INFO: Sensor VB.NET Project Type Information [vbnet] (done) | time=2ms
INFO: Sensor VB.NET Analysis Log [vbnet]
INFO: Sensor VB.NET Analysis Log [vbnet] (done) | time=27ms
INFO: Sensor VB.NET Properties [vbnet]
INFO: Sensor VB.NET Properties [vbnet] (done) | time=0ms
INFO: ----- Run sensors on project
INFO: Sensor Analysis Warnings import [csharp]
INFO: Sensor Analysis Warnings import [csharp] (done) | time=3ms
INFO: Sensor Zero Coverage Sensor
INFO: Sensor Zero Coverage Sensor (done) | time=69ms
INFO: CPD Executor 3 files had no CPD blocks
INFO: CPD Executor Calculating CPD for 31 files
INFO: CPD Executor CPD calculation finished (done) | time=79ms
INFO: Analysis report generated in 327ms, dir size=355.2 kB
INFO: Analysis report compressed in 430ms, zip size=138.2 kB
INFO: Analysis report uploaded in 360ms
INFO: ANALYSIS SUCCESSFUL, you can find the results at:
http://localhost:9000/dashboard?id=Proyecto_Quiniela_Mundial
INFO: Note that you will be able to access the updated dashboard once the server has
processed the submitted analysis report
INFO: More about the report processing at
<http://localhost:9000/api/ce/task?id=AYQnTnKym6UzHZciV9C>
INFO: Analysis total time: 59.522 s
INFO: -----
INFO: EXECUTION SUCCESS
INFO: -----
INFO: Total time: 1:01.791s
INFO: Final Memory: 18M/74M
INFO: -----
Lanzada por el usuario [Byron Roman](#)
Running as SYSTEM
[EnvInject] - Loading node environment variables.
Ejecutando en el espacio de trabajo
C:\ProgramData\Jenkins\jenkins\workspace\Pruebas_Proyecto_Quiniela
The recommended git tool is: NONE

No credentials specified

```
> git.exe rev-parse --resolve-git-dir
C:\ProgramData\Jenkins\jenkins\workspace\Pruebas_Proyecto_Quiniela\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/crebroman/proyecto\_quiniela\_mundial.git
# timeout=10
Fetching upstream changes from https://github.com/crebroman/proyecto\_quiniela\_mundial.git
> git.exe --version # timeout=10
> git --version # 'git version 2.37.3.windows.1'
> git.exe fetch --tags --force --progress --
https://github.com/crebroman/proyecto\_quiniela\_mundial.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/DEV
Seen branch in repository origin/PROD
Seen branch in repository origin/QA
Seen branch in repository origin/master
Seen branch in repository origin/otro
Seen 5 remote branches
> git.exe show-ref --tags -d # timeout=10
Checking out Revision f31675b7b254da5a419741522368e7075e7ce7c5 (origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f f31675b7b254da5a419741522368e7075e7ce7c5 # timeout=10
Commit message: "Update README.md (#3)"
> git.exe rev-list --no-walk f31675b7b254da5a419741522368e7075e7ce7c5 # timeout=10
[Pruebas_Proyecto_Quiniela] $
C:\ProgramData\Jenkins\jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\Scanner
SonarQ\bin\sonar-scanner.bat -Dsonar.host.url=http://localhost:9000 -
Dsonar.projectKey=Proyecto_Quiniela_Mundial -
Dsonar.projectName=Fase2_Quiniela_Mundial -Dsonar.sourceEncoding=UTF-8 "-
Dsonar.projectDescription=Proyecto Fase 2 Quiniela Mundial" -
Dsonar.host.url=http://localhost:9000 -Dsonar.login=UserJenkins -Dsonar.projectVersion=1 -
Dsonar.sources=. -Dsonar.password=pwia.g1 -
Dsonar.projectBaseDir=C:\ProgramData\Jenkins\jenkins\workspace\Pruebas_Proyecto_Quini
ela
WARN: Property 'sonar.host.url' with value 'http://localhost:9000' is overridden with value
'http://localhost:9000'
INFO: Scanner configuration file:
C:\ProgramData\Jenkins\jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\Scanner
SonarQ\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: NONE
INFO: SonarScanner 4.7.0.2747
INFO: Java 17 Oracle Corporation (64-bit)
INFO: Windows 10 10.0 amd64
INFO: User cache: C:\Users\Byron\.sonar\cache
INFO: Scanner configuration file:
C:\ProgramData\Jenkins\jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\Scanner
SonarQ\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: NONE
INFO: Analyzing on SonarQube server 9.7.0.61563
INFO: Default locale: "es_GT", source code encoding: "UTF-8"
INFO: Load global settings
```

INFO: Load global settings (done) | time=236ms
INFO: Server id: 147B411E-AYP5PROBVCmywltu2VeQ
INFO: User cache: C:\Users\Byron\.sonar\cache
INFO: Load/download plugins
INFO: Load plugins index
INFO: Load plugins index (done) | time=287ms
INFO: Load/download plugins (done) | time=781ms
INFO: Process project properties
INFO: Process project properties (done) | time=18ms
INFO: Execute project builders
INFO: Execute project builders (done) | time=5ms
INFO: Project key: Proyecto_Quiniela_Mundial
INFO: Base dir: C:\ProgramData\Jenkins\.jenkins\workspace\Pruebas_Proyecto_Quiniela
INFO: Working dir:
C:\ProgramData\Jenkins\.jenkins\workspace\Pruebas_Proyecto_Quiniela\scannerwork
INFO: Load project settings for component key: 'Proyecto_Quiniela_Mundial'
INFO: Load project settings for component key: 'Proyecto_Quiniela_Mundial' (done) |
time=364ms
INFO: Auto-configuring with CI 'Jenkins'
INFO: Load quality profiles
INFO: Load quality profiles (done) | time=514ms
INFO: Load active rules
INFO: Load active rules (done) | time=6999ms
INFO: Load analysis cache
INFO: Load analysis cache (404) | time=237ms
INFO: Load project repositories
INFO: Load project repositories (done) | time=267ms
INFO: Indexing files...
INFO: Project configuration:
INFO: 38 files indexed
INFO: 0 files ignored because of scm ignore settings
INFO: Quality profile for php: Sonar way
INFO: ----- Run sensors on module Fase2_Quiniela_Mundial
INFO: Load metrics repository
INFO: Load metrics repository (done) | time=438ms
INFO: Sensor JaCoCo XML Report Importer [jacoco]
INFO: 'sonar.coverage.jacoco.xmlReportPaths' is not defined. Using default locations:
target/site/jacoco/jacoco.xml,target/site/jacoco-
it/jacoco.xml,build/reports/jacoco/test/jacocoTestReport.xml
INFO: No report imported, no coverage information will be imported by JaCoCo XML Report
Importer
INFO: Sensor JaCoCo XML Report Importer [jacoco] (done) | time=8ms
INFO: Sensor CSS Rules [javascript]
INFO: 34 source files to be analyzed
INFO: 34/34 source files have been analyzed
INFO: Hit the cache for 0 out of 0
INFO: Miss the cache for 0 out of 0
INFO: Sensor CSS Rules [javascript] (done) | time=27406ms
INFO: Sensor C# Project Type Information [csharp]
INFO: Sensor C# Project Type Information [csharp] (done) | time=1ms
INFO: Sensor C# Analysis Log [csharp]

INFO: Sensor C# Analysis Log [csharp] (done) | time=24ms
INFO: Sensor C# Properties [csharp]
INFO: Sensor C# Properties [csharp] (done) | time=0ms
INFO: Sensor HTML [web]
INFO: Sensor HTML [web] (done) | time=87ms
INFO: Sensor PHP sensor [php]
INFO: Starting PHP symbol indexer
INFO: 34 source files to be analyzed
INFO: 34/34 source files have been analyzed
INFO: Starting PHP rules
INFO: 34 source files to be analyzed
INFO: 34/34 source files have been analyzed
INFO: No PHPUnit tests reports provided (see 'sonar.php.tests.reportPath' property)
INFO: No PHPUnit coverage reports provided (see 'sonar.php.coverage.reportPaths' property)
INFO: Sensor PHP sensor [php] (done) | time=3708ms
INFO: Sensor Analyzer for "php.ini" files [php]
INFO: Sensor Analyzer for "php.ini" files [php] (done) | time=3ms
INFO: Sensor Text Sensor [text]
INFO: 34 source files to be analyzed
INFO: 34/34 source files have been analyzed
INFO: Sensor Text Sensor [text] (done) | time=29ms
INFO: Sensor VB.NET Project Type Information [vbnet]
INFO: Sensor VB.NET Project Type Information [vbnet] (done) | time=2ms
INFO: Sensor VB.NET Analysis Log [vbnet]
INFO: Sensor VB.NET Analysis Log [vbnet] (done) | time=12ms
INFO: Sensor VB.NET Properties [vbnet]
INFO: Sensor VB.NET Properties [vbnet] (done) | time=0ms
INFO: ----- Run sensors on project
INFO: Sensor Analysis Warnings import [csharp]
INFO: Sensor Analysis Warnings import [csharp] (done) | time=1ms
INFO: Sensor Zero Coverage Sensor
INFO: Sensor Zero Coverage Sensor (done) | time=43ms
INFO: CPD Executor 3 files had no CPD blocks
INFO: CPD Executor Calculating CPD for 31 files
INFO: CPD Executor CPD calculation finished (done) | time=41ms
INFO: Analysis report generated in 121ms, dir size=355.2 kB
INFO: Analysis report compressed in 302ms, zip size=138.2 kB
INFO: Analysis report uploaded in 314ms
INFO: ANALYSIS SUCCESSFUL, you can find the results at:
http://localhost:9000/dashboard?id=Proyecto_Quiniela_Mundial
INFO: Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
INFO: More about the report processing at
<http://localhost:9000/api/ce/task?id=AYQnT33Ym6UzHZciV9CJ>
ERROR: Failed to delete temp folder
java.nio.file.FileSystemException:
C:\ProgramData\Jenkins\jenkins\workspace\Pruebas_Proyecto_Quiniela\scannerwork\sonar
tmp\eslint-bridge-bundle\package\node_modules\proxy-addr: El proceso no tiene acceso al
archivo porque está siendo utilizado por otro proceso
at
java.base/sun.nio.fs.WindowsException.translateToIOException(WindowsException.java:92)

at
java.base/sun.nio.fs.WindowsException.rethrowAsIOException(WindowsException.java:103)
at
java.base/sun.nio.fs.WindowsException.rethrowAsIOException(WindowsException.java:108)
at
java.base/sun.nio.fs.WindowsFileSystemProvider.implDelete(WindowsFileSystemProvider.java:275)
at
java.base/sun.nio.fs.AbstractFileSystemProvider.deleteIfExists(AbstractFileSystemProvider.java:110)
at java.base/java.nio.file.Files.deleteIfExists(Files.java:1191)
at
org.sonar.api.impl.utils.DefaultTempFolder\$DeleteRecursivelyFileVisitor.postVisitDirectory(DefaultTempFolder.java:128)
at
org.sonar.api.impl.utils.DefaultTempFolder\$DeleteRecursivelyFileVisitor.postVisitDirectory(DefaultTempFolder.java:117)
at java.base/java.nio.file.Files.walkFileTree(Files.java:2828)
at java.base/java.nio.file.Files.walkFileTree(Files.java:2882)
at org.sonar.api.impl.utils.DefaultTempFolder.clean(DefaultTempFolder.java:98)
at org.sonar.api.impl.utils.DefaultTempFolder.stop(DefaultTempFolder.java:113)
at
org.sonar.core.platform.StartableBeanPostProcessor.postProcessBeforeDestruction(StartableBeanPostProcessor.java:48)
at
org.springframework.beans.factory.support.DisposableBeanAdapter.destroy(DisposableBeanAdapter.java:197)
at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.destroyBean(DefaultSingletonBeanRegistry.java:587)
at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.destroySingleton(DefaultSingletonBeanRegistry.java:559)
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.destroySingleton(DefaultListableBeanFactory.java:1163)
at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.destroySingletons(DefaultSingletonBeanRegistry.java:520)
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.destroySingletons(DefaultListableBeanFactory.java:1156)
at
org.springframework.context.support.AbstractApplicationContext.destroyBeans(AbstractApplicationContext.java:1106)
at
org.springframework.context.support.AbstractApplicationContext.doClose(AbstractApplicationContext.java:1075)
at
org.springframework.context.support.AbstractApplicationContext.close(AbstractApplicationContext.java:1021)


```

        at
org.sonar.core.platform.SpringComponentContainer.stopComponents(SpringComponentCont
ainer.java:196)
        at
org.sonar.core.platform.SpringComponentContainer.execute(SpringComponentContainer.java
:172)
        at
org.sonar.scanner.bootstrap.SpringGlobalContainer.doAfterStart(SpringGlobalContainer.java:
135)
        at
org.sonar.core.platform.SpringComponentContainer.startComponents(SpringComponentCont
ainer.java:188)
        at
org.sonar.core.platform.SpringComponentContainer.execute(SpringComponentContainer.java
:167)
            at org.sonar.batch.bootstrapper.Batch.doExecute(Batch.java:72)
            at org.sonar.batch.bootstrapper.Batch.execute(Batch.java:66)
            at
org.sonarsource.scanner.api.internal.batch.BatchIsolatedLauncher.execute(BatchIsolatedLau
ncher.java:46)
                at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
                at
java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:77)
                    at
java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:43)
                        at java.base/java.lang.reflect.Method.invoke(Method.java:568)
                        at
org.sonarsource.scanner.api.internal.IsolatedLauncherProxy.invoke(IsolatedLauncherProxy.ja
va:60)
                            at jdk.proxy1/jdk.proxy1.$Proxy0.execute(Unknown Source)
                            at
org.sonarsource.scanner.api.EmbeddedScanner.doExecute(EmbeddedScanner.java:189)
                                at
org.sonarsource.scanner.api.EmbeddedScanner.execute(EmbeddedScanner.java:138)
                                    at org.sonarsource.scanner.cli.Main.execute(Main.java:112)
                                    at org.sonarsource.scanner.cli.Main.execute(Main.java:75)
                                    at org.sonarsource.scanner.cli.Main.main(Main.java:61)

```

INFO: Analysis total time: 59.325 s

INFO: -----

INFO: EXECUTION SUCCESS

INFO: -----

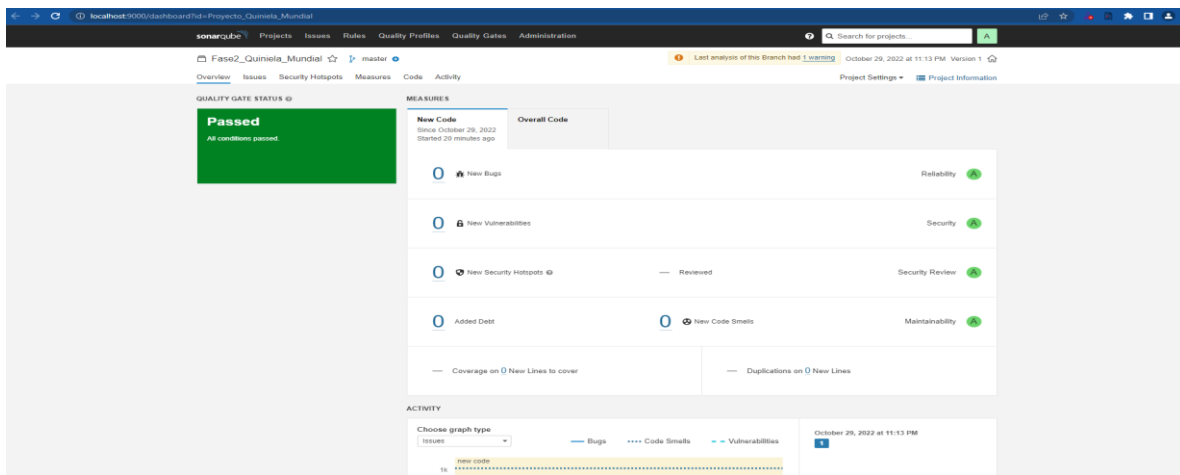
INFO: Total time: 1:02.532s

INFO: Final Memory: 19M/68M

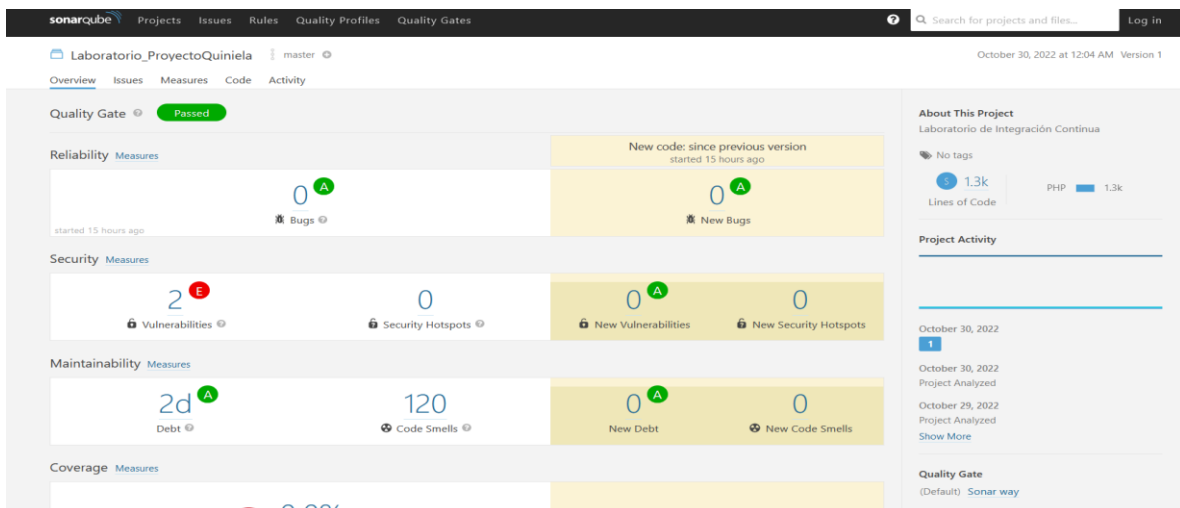
INFO: -----

Finished: SUCCESS

Reporte de Sonarqube



La Plataforma de sonarqube nos ayuda a visualizar los diferentes defectos, errores y vulnerabilidades, las cuales pueden ser corregidas.



Sonarqube Projects Issues Rules Quality Profiles Quality Gates

Search for projects and files... Log in

Filters

- Type
 - Bug 0
 - Vulnerability 2
 - Code Smell 120
 - Security Hotspot 0
- Severity
 - Blocker 2
 - Critical 30
 - Major 8
 - Minor 82
 - Info 0
- Resolution
- Status
- Security Category
- Creation Date
- Language
- Rule
- Tag
- Project
- Assignee
- Author

1 / 122 issues 1d 6h effort

Laboratorio_ProyectoQuiniela / config/conexion.php

Add password protection to this database. [See Rule](#) 5 days ago L9 cwe, owasp-a3

Vulnerability Blocker Open Not assigned 45min effort

Immediately return this expression instead of assigning it to the temporary variable "\$conectar". [See Rule](#) 5 days ago L9 clumsy

Code Smell Minor Open Not assigned 2min effort

Laboratorio_ProyectoQuiniela / controller/Administradores.php

1 duplicated blocks of code must be removed. [See Rule](#) 5 days ago pitfall

Code Smell Major Open Not assigned 20min effort

Add a "case default" clause to this "switch" statement. [See Rule](#) 5 days ago L12 cwe

Code Smell Critical Open Not assigned 5min effort

Define a constant instead of duplicating this literal "admins_id" 3 times. [See Rule](#) 5 days ago L27 design

Code Smell Critical Open Not assigned 8min effort

Laboratorio_ProyectoQuiniela / controller/configuracion.php

1 duplicated blocks of code must be removed. [See Rule](#) 5 days ago pitfall

Code Smell Major Open Not assigned 20min effort

Add a "case default" clause to this "switch" statement. [See Rule](#) 5 days ago L12 cwe

Code Smell Critical Open Not assigned 5min effort

Define a constant instead of duplicating this literal "conf_id" 4 times. [See Rule](#) 5 days ago L20

Pruebas unitarias utilizando postman

Se realizan las pruebas unitarias para probar el código, las cuales son realizadas por el developer antes de enviarse a control de calidad.

```

}

public function update_paises($paises_id,$paises_nombre,$paises_iso){
    $conectar= parent::conexion();
    parent ::set_names();
}

@@ -52,6 +54,7 @@ public function update_paises($paises_id,$paises_nombre,$paises_iso){

}

public function delete_paises($paises_id){
    $conectar= parent::conexion();
    parent ::set_names();
}

```

Pruebas de carga utilizando la herramienta Postman

Esto con la finalidad de poder encontrar si en algún momento la aplicación da algún error y esto nos ayuda a solucionar para la entrega de una herramienta con el mínimo de errores.

Se le realizaron pruebas a las diferentes tablas.

ines (414 sloc)

```
{
  "info": {
    "_postman_id": "73af1884-fade-4caf-b104-eb66dd81ed26",
    "name": "proyecto_quiniela_fase1",
    "schema": "https://schema.getpostman.com/json/collection/v2.1.0/collection.json",
    "_exporter_id": "23526337"
  },
  "item": [
    {
      "name": "http://proyecto_quiniela.com/controller/administradores.php?op=GetAll",
      "request": {
        "method": "GET",
        "header": [],
        "url": {
          "raw": "http://proyecto_quiniela.com/controller/administradores.php?op=GetAll",
          "protocol": "http",
          "host": [
            "proyecto_quiniela",
            "com"
          ],
          "path": [
            "controller",
            "administradores.php"
          ],
          "query": [
            {
```

```
"key": "op",
"value": "GetAll"
}
]
}
},
"response": [
{
"name": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=GetAll",
"originalRequest": {
"method": "GET",
"header": [],
"url": {
"raw": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=GetAll",
"protocol": "http",
"host": [
"localhost"
],
"path": [
"PROYECTO_QUINIELA",
"controller",
"administradores.php"
],
"query": [
{
"key": "op",
"value": "GetAll"
}
]
}
},
"status": "OK",
```

```
"code": 200,
"_postman_previewlanguage": "json",
"header": [
  {
    "key": "Date",
    "value": "Sat, 24 Sep 2022 00:55:21 GMT"
  },
  {
    "key": "Server",
    "value": "Apache/2.4.53 (Win64) OpenSSL/1.1.1n PHP/8.0.19"
  },
  {
    "key": "X-Powered-By",
    "value": "PHP/8.0.19"
  },
  {
    "key": "Content-Length",
    "value": "413"
  },
  {
    "key": "Keep-Alive",
    "value": "timeout=5, max=100"
  },
  {
    "key": "Connection",
    "value": "Keep-Alive"
  },
  {
    "key": "Content-Type",
    "value": "text/html; charset=UTF-8"
  }
],
```

```

"cookie": [],

"body": "[\n {\n \"0\": \"1\", \n \"1\": \"Byron Roman\", \n \"2\": \"bromanc1@miumg.edu.gt\", \n
\"3\": \"Hoyesviernes*1852\", \n \"4\": \"A\", \n \"id\": \"1\", \n \"nombre\": \"Byron Roman\", \n
\"correo\": \"bromanc1@miumg.edu.gt\", \n \"password\": \"Hoyesviernes*1852\", \n \"estado\":
\"A\" \n }, \n {\n \"0\": \"2\", \n \"1\": \"Coralia Cuellar\", \n \"2\": \"ccuellar@miumg.edu.gt\", \n
\"3\": \"Sabadodeentrega*1853\", \n \"4\": \"A\", \n \"id\": \"2\", \n \"nombre\": \"Coralia Cuellar\", \n
\"correo\": \"ccuellar@miumg.edu.gt\", \n \"password\": \"Sabadodeentrega*1853\", \n \"estado\":
\"A\" \n } \n ]"

}

},

{

"name": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=GetId",

"request": {

"method": "POST",

"header": [],

"body": {

"mode": "raw",

"raw": "{\r\n \"adm_id\":2\r\n}",

"options": {

"raw": {

"language": "json"

}

}

},

"url": {

"raw": "http://proyecto_quiniela.com/controller/administradores.php?op=GetId",

"protocol": "http",

"host": [

"proyecto_quiniela",

"com"

],

"path": [

"controller",

"administradores.php"

```

```
],
"query": [
{
"key": "op",
"value": "GetId"
}
]
},
"response": []
},
{
"name": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=Insert",
"request": {
"method": "POST",
"header": [],
"body": {
"mode": "raw",
"raw": "{\r\n \"admins_id\": 5,\r\n \"admins_nombre\": \"Prueba Numero 40\",\r\n  

\"admins_correo\": \"prueba40@gmial.com\", \r\n \"admins_password\":  

\"Hoyeslaentrega*0718\", \r\n \"admins_estado\": \"A\" \r\n\r\n}",
"options": {
"raw": {
"language": "json"
}
}
},
"url": {
"raw": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=Insert",
"protocol": "http",
"host": [
"localhost"
],
```

```
"path": [
  "PROYECTO_QUINIELA",
  "controller",
  "administradores.php"
],
"query": [
  {
    "key": "op",
    "value": "Insert"
  }
],
"description": "Prueba de Insert\r\nSe inserta a la base de datos "
},
"response": []
},
{
  "name": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=Update",
  "request": {
    "method": "POST",
    "header": [],
    "body": {
      "mode": "raw",
      "raw": "{\r\n \"admins_id\": 5,\r\n \"admins_nombre\": \"Prueba Numero 40 Actualizar Que paja porque mañana dice en el documento que es la entrega y entonces\",\r\n \"admins_correo\": \"prueba40@gmial.com\",\r\n \"admins_password\": \"Hoyeslaentrega*0759\",\r\n \"admins_estado\": \"A\"\r\n\r\n}",
      "options": {
        "raw": {
          "language": "json"
        }
      }
    }
  },
}
```

```
"url": {
  "raw": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=Update",
  "protocol": "http",
  "host": [
    "localhost"
  ],
  "path": [
    "PROYECTO_QUINIELA",
    "controller",
    "administradores.php"
  ],
  "query": [
    {
      "key": "op",
      "value": "Update"
    }
  ],
  "description": "Prueba de Actualizacion"
},
"response": []
},
{
  "name": "http://localhost/PROYECTO_QUINIELA/controller/estructuras.php?op=Insert",
  "request": {
    "method": "POST",
    "header": [],
    "body": {
      "mode": "raw",
      "raw": "{\r\n  \"admins_id\": \"6\"\r\n\r\n}",
      "options": {
        "raw": {
```



```
"language": "json"
}
}
},
"url": {
"raw": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=Delete",
"protocol": "http",
"host": [
"localhost"
],
"path": [
"PROYECTO_QUINIELA",
"controller",
"administradores.php"
],
"query": [
{
"key": "op",
"value": "Delete"
}
],
},
"description": "Eliminacion de registro(solo cambia el estado)"
},
"response": []
},
{
"name": "http://localhost/PROYECTO_QUINIELA/controller/estructuras.php?op=Insert",
"request": {
"method": "POST",
"header": [],
"body": {
```

```
"mode": "raw",
"raw": "{\r\n \"est_id\": \"1\", \r\n \"est_nombre\": \"grupos\" \r\n\r\n}",
"options": {
  "raw": {
    "language": "json"
  }
},
"url": {
  "raw": "http://proyecto_quiniela.com/controller/estructuras.php?op=Insert",
  "protocol": "http",
  "host": [
    "proyecto_quiniela",
    "com"
  ],
  "path": [
    "controller",
    "estructuras.php"
  ],
  "query": [
    {
      "key": "op",
      "value": "Insert"
    }
  ]
},
"response": []
},
{
  "name": "http://proyecto_quiniela.com/controller/estructuras.php?op=GetAll",
  "request": {
```

```
"method": "GET",
"header": [],
"url": {
"raw": "http://proyecto_quiniela.com/controller/estructuras.php?op=GetAll",
"protocol": "http",
"host": [
"proyecto_quiniela",
"com"
],
"path": [
"controller",
"estructuras.php"
],
"query": [
{
"key": "op",
"value": "GetAll"
}
]
},
"response": []
},
{
"name": "http://proyecto_quiniela.com/controller/estructuras.php?op=GetAll",
"request": {
"method": "GET",
"header": [],
"url": {
"raw": "http://proyecto_quiniela.com/controller/estructuras.php?op=GetAll",
"protocol": "http",
"host": [
```

```
"proyecto_quiniela",
"com"
],
"path": [
"controller",
"estructuras.php"
],
"query": [
{
"key": "op",
"value": "GetAll"
}
]
},
"response": []
},
{
"name": "http://proyecto_quiniela.com/controller/administradores.php?op=GetAll",
"request": {
"method": "GET",
"header": [],
"url": {
"raw": "http://proyecto_quiniela.com/controller/administradores.php?op=GetAll",
"protocol": "http",
"host": [
"proyecto_quiniela",
"com"
],
"path": [
"controller",
"administradores.php"
]
```

```
],
"query": [
{
"key": "op",
"value": "GetAll"
}
]
},
"response": [
{
"name": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=GetAll",
"originalRequest": {
"method": "GET",
"header": [],
"url": {
"raw": "http://localhost/PROYECTO_QUINIELA/controller/administradores.php?op=GetAll",
"protocol": "http",
"host": [
"localhost"
],
"path": [
"PROYECTO_QUINIELA",
"controller",
"administradores.php"
],
"query": [
{
"key": "op",
"value": "GetAll"
}
]
}
```

```
}  
},  
"status": "OK",  
"code": 200,  
"_postman_previewlanguage": "json",  
"header": [  
  {  
    "key": "Date",  
    "value": "Sat, 24 Sep 2022 00:55:21 GMT"  
  },  
  {  
    "key": "Server",  
    "value": "Apache/2.4.53 (Win64) OpenSSL/1.1.1n PHP/8.0.19"  
  },  
  {  
    "key": "X-Powered-By",  
    "value": "PHP/8.0.19"  
  },  
  {  
    "key": "Content-Length",  
    "value": "413"  
  },  
  {  
    "key": "Keep-Alive",  
    "value": "timeout=5, max=100"  
  },  
  {  
    "key": "Connection",  
    "value": "Keep-Alive"  
  },  
  {  
    "key": "Content-Type",
```

"value": "text/html; charset=UTF-8"

}

],

"cookie": [],

"body": "[\n {\n \"0\": \"1\", \n \"1\": \"Byron Roman\", \n \"2\": \"bromanc1@miumg.edu.gt\", \n \"3\": \"Hoyesviernes*1852\", \n \"4\": \"A\", \n \"id\": \"1\", \n \"nombre\": \"Byron Roman\", \n \"correo\": \"bromanc1@miumg.edu.gt\", \n \"password\": \"Hoyesviernes*1852\", \n \"estado\": \"A\" \n }, \n {\n \"0\": \"2\", \n \"1\": \"Coralia Cuellar\", \n \"2\": \"ccuellar@miumg.edu.gt\", \n \"3\": \"Sabadodeentrega*1853\", \n \"4\": \"A\", \n \"id\": \"2\", \n \"nombre\": \"Coralia Cuellar\", \n \"correo\": \"ccuellar@miumg.edu.gt\", \n \"password\": \"Sabadodeentrega*1853\", \n \"estado\": \"A\" \n } \n]"

Integración del Proyecto Quiniela con Jenkins y GitHub

Se crea el Webhook que nos ayuda en la comunicación automática entre las apps. Para la integración con Jenkins.

General

Webhooks / Manage webhook

Settings Recent Deliveries

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL *

https://803-d100-e790-717-98fe-1c7-cafa-3d27.ngrok.io/github-webhook/

Content type

application/x-www-form-urlencoded

Secret

SSL verification

By default, we verify SSL certificates when delivering payloads.

☒ Enable SSL verification ☐ Disable (not recommended)

Which events would you like to trigger this webhook?

☐ Just the push event.

☒ Send me everything.

☐ Let me select individual events.

☒ Active

La integración continúa utilizando GitHub, nos ayudara a manejar las diferentes tareas que se trabajen en equipo. Para esto se crearon ramas las cuales tendrán la información necesaria.

↑ Volver al proyecto

📄 Estatus

</> Cambios

📄 Console Output

📄 View as plain text

📄 Editar información de la ejecución

🗑️ Delete build '#16'

🕒 Timings

📄 Environment Variables

🔍 Git Build Data

🔄 Rebuild

🌊 Open Blue Ocean

← Ejecución previa

→ Ejecución siguiente

✅ Salida de consola

Lanzada por el usuario **coralia cuellar**
Rebuilds build #15
Running as SYSTEM
[EnvInject] - Loading node environment variables.
Ejecutando en el espacio de trabajo C:\ProgramData\Jenkins\jenkins\workspace\Prueba_Proyecto_quiniela
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\jenkins\workspace\Prueba_Proyecto_quiniela\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/crebroman/proyecto_quiniela_mundial.git # timeout=10
Fetching upstream changes from https://github.com/crebroman/proyecto_quiniela_mundial.git
> git.exe --version # timeout=10
> git --version # 'git version 2.38.1.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/crebroman/proyecto_quiniela_mundial.git +refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/DEV
Seen branch in repository origin/PROD
Seen branch in repository origin/QA
Seen branch in repository origin/master
Seen branch in repository origin/otro
Seen 5 remote branches
> git.exe show-ref --tags -d # timeout=10
Checking out Revision f31675b7b254da5a419741522368e7075e7ce7c5 (origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f f31675b7b254da5a419741522368e7075e7ce7c5 # timeout=10

Se muestran las ramas creadas para el manejo de los ambientes de desarrollo, control de calidad y QA.

crebroman / proyecto_quiniela_mundial Public

👁 Watch 1 🍴 Fork 0 ☆ Star 0

</> Code 🗨 Issues 🔄 Pull requests 🔄 Actions 📁 Projects 📖 Wiki 🛡 Security 📈 Insights

🔍 Search branches...

Overview Yours Active Stale All branches New branch

Default branch

otro Updated 5 days ago by crebroman Default

Your branches

QA Updated 13 hours ago by crebroman 2 | 9 New pull request ✎ 🗑

PROD Updated 15 hours ago by crebroman 2 | 5 New pull request ✎ 🗑

Active branches

QA Updated 13 hours ago by crebroman 2 | 9 New pull request ✎ 🗑

master Updated 13 hours ago by crebroman 2 | 8 #4 Merged ✎ 🗑