



Universidad Nacional de Río Cuarto

Facultad de Ciencias Exactas, Físico-Químicas y Naturales

Departamento de Computación

Asignatura: **Ingeniería de Software (Cód. 3304) - 2024**

Año 2024

TALLER IS 2024

ACTIVIDAD NRO: 1

INTEGRANTES:

CAMPREGHER BRUNO

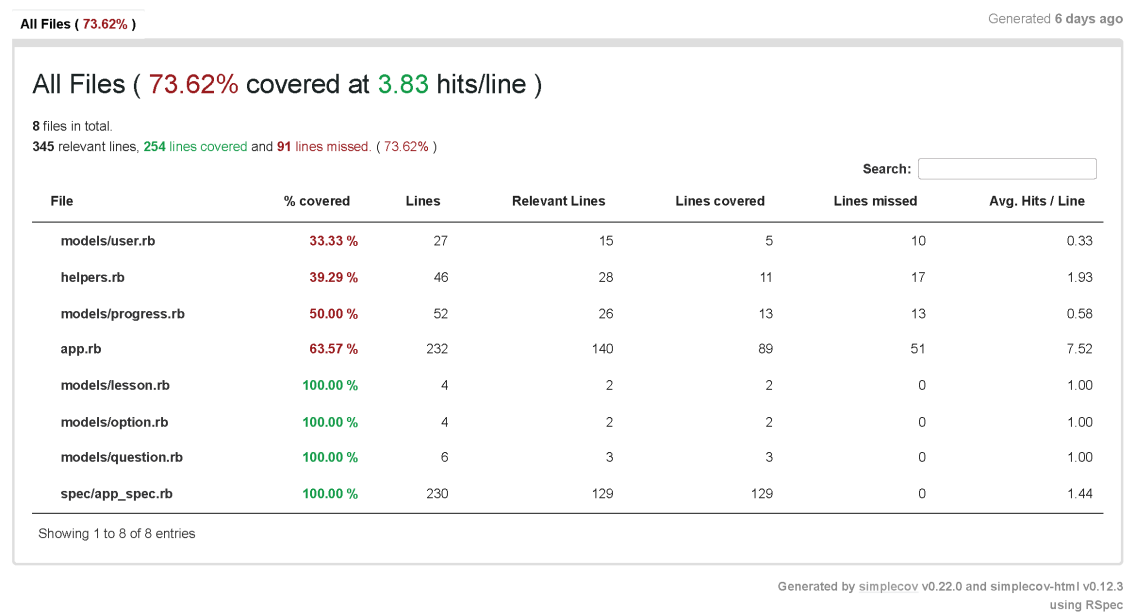
CENTENO NICOLÁS

SERAFIN AGUSTÍN

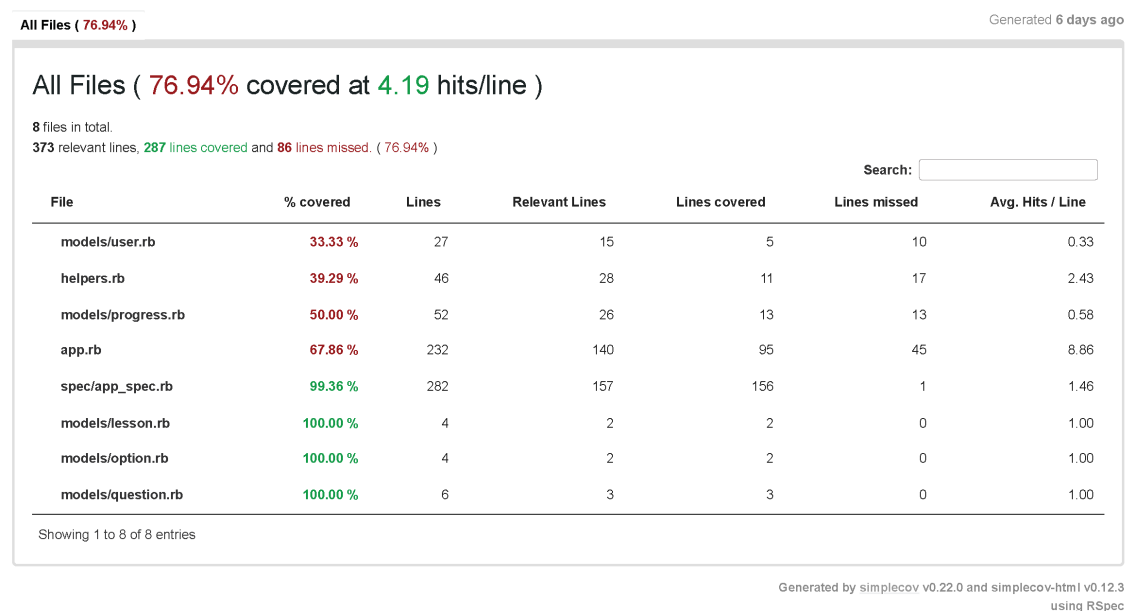
Taller IS 2024 - Actividad Nro: 1

El informe tiene como objetivo mostrar el avance sobre el desarrollo de test del proyecto Road to Senior.

La siguiente imagen muestra el porcentaje de cobertura luego de instalar la gema SimpleCov.



Luego de incorporar test sobre el proceso de ingreso a la aplicación y completar el proceso de registro se puede observar un incremento en el porcentaje de cobertura en el archivo app.rb.



Posteriormente se incorporaron test sobre los modelos User y Progress logrando una cobertura del 100% en models/user.rb y models/progress.rb.

All Files (85.21%)

Generated 2 days ago

All Files (85.21% covered at 4.05 hits/line)

8 files in total.
426 relevant lines, 363 lines covered and 63 lines missed. (85.21%)

Search:

| File | % covered | Lines | Relevant Lines | Lines covered | Lines missed | Avg. Hits / Line |
|--------------------|-----------|-------|----------------|---------------|--------------|------------------|
| helpers.rb | 39.29 % | 46 | 28 | 11 | 17 | 2.50 |
| app.rb | 67.86 % | 232 | 140 | 95 | 45 | 9.01 |
| spec/app_spec.rb | 99.52 % | 391 | 210 | 209 | 1 | 1.50 |
| models/lesson.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/option.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/progress.rb | 100.00 % | 51 | 26 | 26 | 0 | 2.08 |
| models/question.rb | 100.00 % | 6 | 3 | 3 | 0 | 1.00 |
| models/user.rb | 100.00 % | 27 | 15 | 15 | 0 | 1.27 |

Showing 1 to 8 of 8 entries

Generated by simplecov v0.22.0 and simplecov-html v0.12.3 using RSpec

Se incorporaron tests sobre los endpoints change password, change email y progress.

All Files (88.7%)

Generated a day ago

All Files (88.7% covered at 4.41 hits/line)

8 files in total.
460 relevant lines, 408 lines covered and 52 lines missed. (88.7%)

Search:

| File | % covered | Lines | Relevant Lines | Lines covered | Lines missed | Avg. Hits / Line |
|--------------------|-----------|-------|----------------|---------------|--------------|------------------|
| helpers.rb | 39.29 % | 46 | 28 | 11 | 17 | 5.11 |
| app.rb | 75.71 % | 232 | 140 | 106 | 34 | 10.24 |
| spec/app_spec.rb | 99.59 % | 453 | 244 | 243 | 1 | 1.48 |
| models/lesson.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/option.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/progress.rb | 100.00 % | 51 | 26 | 26 | 0 | 2.15 |
| models/question.rb | 100.00 % | 6 | 3 | 3 | 0 | 1.00 |
| models/user.rb | 100.00 % | 27 | 15 | 15 | 0 | 1.93 |

Showing 1 to 8 of 8 entries

Generated by simplecov v0.22.0 and simplecov-html v0.12.3 using RSpec

En ese punto aún no se habían incorporado test enfocados directamente en el juego. Se incorporan test que validan el acceso del usuario a las lecciones disponibles y restringiendo el acceso a las bloqueadas o completadas.

All Files (92.06%)

Generated a day ago

All Files (92.06% covered at 4.6 hits/line)

8 files in total.
491 relevant lines, 452 lines covered and 39 lines missed. (92.06%)

Search:

| File | % covered | Lines | Relevant Lines | Lines covered | Lines missed | Avg. Hits / Line |
|--------------------|-----------|-------|----------------|---------------|--------------|------------------|
| helpers.rb | 39.29 % | 46 | 28 | 11 | 17 | 5.89 |
| app.rb | 85.00 % | 232 | 140 | 119 | 21 | 11.29 |
| spec/app_spec.rb | 99.64 % | 506 | 275 | 274 | 1 | 1.49 |
| models/lesson.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/option.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/progress.rb | 100.00 % | 51 | 26 | 26 | 0 | 2.54 |
| models/question.rb | 100.00 % | 6 | 3 | 3 | 0 | 1.00 |
| models/user.rb | 100.00 % | 27 | 15 | 15 | 0 | 1.93 |

Showing 1 to 8 of 8 entries

Generated by simplecov v0.22.0 and simplecov-html v0.12.3 using RSpec

El equipo decidió realizar modificaciones respecto al código y organización del mismo. Se eliminan métodos del archivo helpers.rb (métodos encargados de manejar el caso de respuesta correcta e incorrecta) y se realizan las adaptaciones en app.rb. Además se agrega un método al modelo progress (actualización del progreso al responder correctamente una pregunta). Es por esto que a continuación se observa un incremento del porcentaje de cobertura en el archivo helpers.rb y una disminución en app.rb y models/progress.rb.

All Files (93.57%)

Generated less than a minute ago

All Files (93.57% covered at 4.7 hits/line)

8 files in total.
482 relevant lines, 451 lines covered and 31 lines missed. (93.57%)

Search:

| File | % covered | Lines | Relevant Lines | Lines covered | Lines missed | Avg. Hits / Line |
|--------------------|-----------|-------|----------------|---------------|--------------|------------------|
| helpers.rb | 75.00 % | 21 | 12 | 9 | 3 | 14.17 |
| app.rb | 83.22 % | 236 | 143 | 119 | 24 | 11.06 |
| models/progress.rb | 90.00 % | 57 | 30 | 27 | 3 | 2.23 |
| spec/app_spec.rb | 99.64 % | 506 | 275 | 274 | 1 | 1.49 |
| models/lesson.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/option.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/question.rb | 100.00 % | 6 | 3 | 3 | 0 | 1.00 |
| models/user.rb | 100.00 % | 27 | 15 | 15 | 0 | 1.93 |

Showing 1 to 8 of 8 entries

Generated by simplecov v0.22.0 and simplecov-html v0.12.3 using RSpec

Se completaron los test enfocados en el juego (responder correctamente/incorrectamente a una pregunta).

All Files (96.94%)

Generated a day ago

All Files (96.94% covered at 4.87 hits/line)

8 files in total.
490 relevant lines, 475 lines covered and 15 lines missed. (96.94%)

Search:

| File | % covered | Lines | Relevant Lines | Lines covered | Lines missed | Avg. Hits / Line |
|--------------------|-----------|-------|----------------|---------------|--------------|------------------|
| helpers.rb | 75.00 % | 21 | 12 | 9 | 3 | 15.67 |
| app.rb | 92.31 % | 236 | 143 | 132 | 11 | 11.57 |
| spec/app_spec.rb | 99.65 % | 518 | 283 | 282 | 1 | 1.52 |
| models/lesson.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/option.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/progress.rb | 100.00 % | 57 | 30 | 30 | 0 | 2.47 |
| models/question.rb | 100.00 % | 6 | 3 | 3 | 0 | 1.00 |
| models/user.rb | 100.00 % | 27 | 15 | 15 | 0 | 2.07 |

Showing 1 to 8 of 8 entries

Generated by simplecov v0.22.0 and simplecov-html v0.12.3
using RSpec

Posteriormente se realizó la corrección de test incorrectos.

All Files (97.15%)

Generated about 14 hours ago

All Files (97.15% covered at 4.66 hits/line)

8 files in total.
491 relevant lines, 477 lines covered and 14 lines missed. (97.15%)

Search:

| File | % covered | Lines | Relevant Lines | Lines covered | Lines missed | Avg. Hits / Line |
|--------------------|-----------|-------|----------------|---------------|--------------|------------------|
| helpers.rb | 75.00 % | 21 | 12 | 9 | 3 | 7.50 |
| app.rb | 92.31 % | 236 | 143 | 132 | 11 | 11.57 |
| models/lesson.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/option.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/progress.rb | 100.00 % | 57 | 30 | 30 | 0 | 2.50 |
| models/question.rb | 100.00 % | 6 | 3 | 3 | 0 | 1.00 |
| models/user.rb | 100.00 % | 27 | 15 | 15 | 0 | 2.07 |
| spec/app_spec.rb | 100.00 % | 532 | 284 | 284 | 0 | 1.52 |

Showing 1 to 8 of 8 entries

Generated by simplecov v0.22.0 and simplecov-html v0.12.3
using RSpec

Se modificó el sistema de recuperación de vidas del usuario. Esto implicó la eliminación de un método en el archivo helpers.rb (incremento de porcentaje de cobertura), modificación de un método en models/user.rb (disminución de porcentaje de cobertura) y pequeños cambios en app.rb.

All Files (96.07%) Generated about a minute ago

All Files (96.07% covered at 4.9 hits/line)

8 files in total.
483 relevant lines, 464 lines covered and 19 lines missed. (96.07%)

Search:

| File | % covered | Lines | Relevant Lines | Lines covered | Lines missed | Avg. Hits / Line |
|--------------------|-----------|-------|----------------|---------------|--------------|------------------|
| app.rb | 90.71 % | 233 | 140 | 127 | 13 | 12.25 |
| models/user.rb | 93.75 % | 28 | 16 | 15 | 1 | 1.94 |
| spec/app_spec.rb | 98.24 % | 532 | 284 | 279 | 5 | 1.50 |
| helpers.rb | 100.00 % | 10 | 6 | 6 | 0 | 18.67 |
| models/lesson.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/option.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/progress.rb | 100.00 % | 57 | 30 | 30 | 0 | 2.50 |
| models/question.rb | 100.00 % | 6 | 3 | 3 | 0 | 1.00 |

Showing 1 to 8 of 8 entries

Generated by simplecov v0.22.0 and simplecov-html v0.12.3 using RSpec

Finalmente se agregan test correspondientes a la última modificación realizada. Además se incorporaron test sobre funcionalidades como remover cuenta. Se completaron test sobre proceso de ingreso y registro y se corrigieron test existentes. De esta manera se logra una cobertura del 100% en todos los archivos.

All Files (100.0%) Generated about 7 hours ago

All Files (100.0% covered at 5.2 hits/line)

8 files in total.
557 relevant lines, 557 lines covered and 0 lines missed. (100.0%)

Search:

| File | % covered | Lines | Relevant Lines | Lines covered | Lines missed | Avg. Hits / Line |
|--------------------|-----------|-------|----------------|---------------|--------------|------------------|
| app.rb | 100.00 % | 236 | 140 | 140 | 0 | 15.84 |
| helpers.rb | 100.00 % | 10 | 6 | 6 | 0 | 1.17 |
| models/lesson.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/option.rb | 100.00 % | 4 | 2 | 2 | 0 | 1.00 |
| models/progress.rb | 100.00 % | 57 | 30 | 30 | 0 | 2.57 |
| models/question.rb | 100.00 % | 6 | 3 | 3 | 0 | 1.00 |
| models/user.rb | 100.00 % | 28 | 16 | 16 | 0 | 2.06 |
| spec/app_spec.rb | 100.00 % | 701 | 358 | 358 | 0 | 1.56 |

Showing 1 to 8 of 8 entries

Generated by simplecov v0.22.0 and simplecov-html v0.12.3 using RSpec

Conclusión:

Se ha logrado una cobertura del 100% en todos los archivos del proyecto. El proceso de testing incluyó la implementación y corrección de pruebas para los modelos, endpoints, y funcionalidades como registro del usuario, acceso a la aplicación y juego. Se reconoce que este

estado está sujeto a cambios futuros en función de nuevas funcionalidades o modificaciones en los requisitos del proyecto.