

INFORME ING. SOFTWARE - PROYECTO

Etapas 1 - Test de cobertura

```
larac@lara-latitude-e7450:~/universidad/ads/signs/proyecto$ sudo docker compose exec app bundle exec rspec
Failures:

  1) User valid when there is no name should be invalid
     Failure/Error: expect(u.valid?).to eq(false)

       expected: false
       got: true

       (compared using ==)

       Diff:
       @@ -1,1 @@
       -false
       +true

       # ./spec/models/user_spec.rb:13:in `block (4 levels) in <top (required)>'

Finished in 0.02715 seconds (files took 0.63405 seconds to load)
1 example, 1 failure

Failed examples:

rspec ./spec/models/user_spec.rb:9 # User valid when there is no name should be invalid
```

```
# /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/inheritance.rb:60:in `new'
# ./spec/models/question_spec.rb:57:in `block (3 levels) in <top (required)>'

  9) User valid when there is no name should be invalid
     Failure/Error: u = User.new

     ActiveRecord::StatementInvalid:
       Could not find table 'users'

       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/connection_adapters/sqlite3_adapter.rb:387:in `table_structure'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/connection_adapters/abstract/schema_statements.rb:116:in `columns'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/connection_adapters/schema_cache.rb:117:in `block in columns'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/connection_adapters/schema_cache.rb:116:in `fetch'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/connection_adapters/schema_cache.rb:116:in `columns'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/connection_adapters/schema_cache.rb:125:in `block in columns_hash'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/connection_adapters/schema_cache.rb:124:in `fetch'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/connection_adapters/schema_cache.rb:124:in `columns_hash'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/model_schema.rb:580:in `load_schema!'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/attributes.rb:264:in `load_schema!'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/encryption/encryptable_record.rb:122:in `load_schema!'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/model_schema.rb:566:in `block in load_schema'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/model_schema.rb:563:in `synchronize'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/model_schema.rb:563:in `load_schema'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/model_schema.rb:429:in `attribute_types'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/attribute_methods.rb:187:in `_has_attribute?'
       # /usr/local/bundle/gems/activerecord-7.0.4.3/lib/active_record/inheritance.rb:60:in `new'
       # ./spec/models/user_spec.rb:11:in `block (4 levels) in <top (required)>'

Finished in 0.00866 seconds (files took 0.45967 seconds to load)
9 examples, 9 failures

Failed examples:

rspec ./spec/models/question_spec.rb:17 # Question validations is valid with valid attributes
rspec ./spec/models/question_spec.rb:17 # Question validations is invalid without a question content
rspec ./spec/models/question_spec.rb:26 # Question validations is invalid without a module id
rspec ./spec/models/question_spec.rb:30 # Question columns has an "answer" column of type Boolean
rspec ./spec/models/question_spec.rb:42 # Question columns has a "question" column of type string
rspec ./spec/models/question_spec.rb:46 # Question columns has a "content_link" column of type string
rspec ./spec/models/question_spec.rb:50 # Question columns has a "module_id" column of type integer
rspec ./spec/models/question_spec.rb:56 # Question data integrity ensures that content_link starts with "/images/"
rspec ./spec/models/user_spec.rb:9 # User valid when there is no name should be invalid

Coverage report generated for RSpec to /src/coverage. 43 / 49 LOC (87.76%) covered.
Stopped processing SimpleCov as a previous error not related to SimpleCov has been detected
```

Al comienzo tuvimos errores con rspec -spec_helper.rb ya que las migraciones estaban “sucias”. Únicamente se podía correr el test pero sin generar todavía la carpeta coverage.

All Files (90.48%) Generated 2 minutes ago

All Files (90.48% covered at 0.9 hits/line)

6 files in total.
21 relevant lines, 19 lines covered and 2 lines missed. (90.48%)

Search:

File	% covered ▲	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
models/user.rb	66.67 %	6	3	2	1	0.67
spec/models/user_spec.rb	85.71 %	20	7	6	1	0.86
config/environment.rb	100.00 %	4	3	3	0	1.00
models/init.rb	100.00 %	4	4	4	0	1.00
models/question.rb	100.00 %	3	2	2	0	1.00
spec/models/question_spec.rb	100.00 %	5	2	2	0	1.00

Showing 1 to 6 of 6 entries

Una vez que funcionaron las migraciones y que la base de datos test.sqlite3 estaba bien formada pudimos comenzar con el Test #0, el cual cubría únicamente el tema de user.

All Files (86.36%) Generated less than a minute ago

All Files (86.36% covered at 0.86 hits/line)

6 files in total.
44 relevant lines, 38 lines covered and 6 lines missed. (86.36%)

Search:

File	% covered ▲	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
models/user.rb	66.67 %	6	3	2	1	0.67
spec/models/question_spec.rb	84.00 %	66	25	21	4	0.84
spec/models/user_spec.rb	85.71 %	20	7	6	1	0.86
config/environment.rb	100.00 %	4	3	3	0	1.00
models/init.rb	100.00 %	4	4	4	0	1.00
models/question.rb	100.00 %	3	2	2	0	1.00

Showing 1 to 6 of 6 entries

Generated by [simplecov](#) v0.22.0 and [simplecov-html](#) v0.12.2 using RSpec

Se adicionaron test para las preguntas en el proyecto, se cubren tópicos tales como si las preguntas estaban bien definidas, validación de las columnas, etc.

```
ro@ro-IdeaPad-3-15ABAT7:~/Documentos/universidad/IngSoftware/taller/signs/proyecto$ sudo docker compose exec app bundle exec rspec
[sudo] contraseña para ro:
.....D, [2023-09-02T19:16:55.943559 #8] DEBUG -- : User Exists? (0.5ms) SELECT 1 AS one FROM "users" WHERE "users"."email" IS NULL LIMIT ? [{"LIMIT", 1}]
:
Finished in 0.01853 seconds (files took 0.41827 seconds to load)
9 examples, 0 failures
```

All Files (95.92%) Generated less than a minute ago

All Files (95.92% covered at 0.96 hits/line)

6 files in total.
49 relevant lines, 47 lines covered and 2 lines missed. (95.92%)

Search:

File	% covered ▲	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
models/user.rb	75.00 %	8	4	3	1	0.75
spec/models/user_spec.rb	85.71 %	20	7	6	1	0.86
config/environment.rb	100.00 %	4	3	3	0	1.00
models/init.rb	100.00 %	4	4	4	0	1.00
models/question.rb	100.00 %	7	6	6	0	1.00
spec/models/question_spec.rb	100.00 %	66	25	25	0	1.00

Showing 1 to 6 of 6 entries

Generated by [simplecov](#) v0.22.0 and [simplecov-html](#) v0.12.2 using RSpec

Se llegó a una cobertura del 95.92% conjunto a todos los test pasados sin ningún tipo de fallo.