



**PROJETO DE CONCLUSÃO  
MÓDULO 3**

# **FIRST ANALYTICS**

**UMA TECNOLOGIA COMPLEXA SIMPLIFICADA**

**SQUAD 1**

**RESILIA**

RESILIA

# SQUAD

1.



2.



3.



4.



5.



	ID	FUNÇÃO	NOME_COLABORADOR	MÓDULO	perfil_GitHub	perfil_LinkedIn
1	1	CO-FACILITADORA	CAROL CANDEIAS	3	CAROLCANDEIAS	CAROL-CANDEIAS
2	2	GESTORA DE CONHECIMENTO	STEPHANIE FERNANDES	3	STEFERNANDES23	STEPHANIEFERNANDES23
3	3	GESTOR DE GENTE E ENGAJAMENTO	PATRICK ELEOTERIO	3	ELEOTERIOP	PATRICKELEOTERIO
4	4	COLABORADORA 1	ELIZANGELA CAMARGO	3	ELIZANGELA-CAMARGO	ELIZANGELA-CAMARGO
5	5	COLABORADOR 2	MATHEUS BARBOSA	3	MATHEUSB2002	MATHEUSB2002



# PROCESSO

ID	EXPECTATIVA_INICIAL
1	CONSTRUÇÃO DE BANCO DE DADOS PARA GERENCIAMENTO DA ESTRUTURA DE ENSINO DA EMPRESA
2	BOA EXPECTATIVA EM RELAÇÃO À SQUAD
3	GRANDE PRODUTIVIDADE E ENTROSAMENTO
4	DIVISÃO DE TAREFAS
5	TROCA CONSTRUTIVA DE CONHECIMENTO
6	REUNIR PESSOAS DIVERSAS COM HABILIDADES QUE SE COMPLEMENTAM

# PROCESSO

ID	RETROSPECTIVA
1	REUNIÕES PELA PLATAFORMA DO DISCORD
2	ORGANIZAÇÃO DE TAREFAS PELO TRELLO
3	ALTERAÇÕES E IMPLEMENTAÇÕES
4	DISCUSSÕES EM CIMA DOS DESAFIOS QUE IAM SURGINDO
5	DESENVOLVIMENTO DE ENTIDADES, ATRIBUTOS, RELACIONAMENTOS E DIAGRAMA
6	DESENVOLVIMENTO DE MODELAGEM CONCEITUAL E LÓGICA DO BANCO DE DADOS
7	ELABORAÇÃO DE BANCO DE DADOS
8	CRIAÇÃO DE DATABASE, TABELAS E CHAVES

RESILIA

# DESENVOLVIMENTO DO PROJETO



ID	FERRAMENTAS_UTILIZADAS
1	CANVA
2	GITHUB
3	TRELLO
4	WHATSAPP
5	DISCORD
6	PGADMIN
7	PLANILHAS GOOGLE
8	GOOGLE DRIVE
9	DBDIAGRAM.IO
10	ALURA

RESILIA

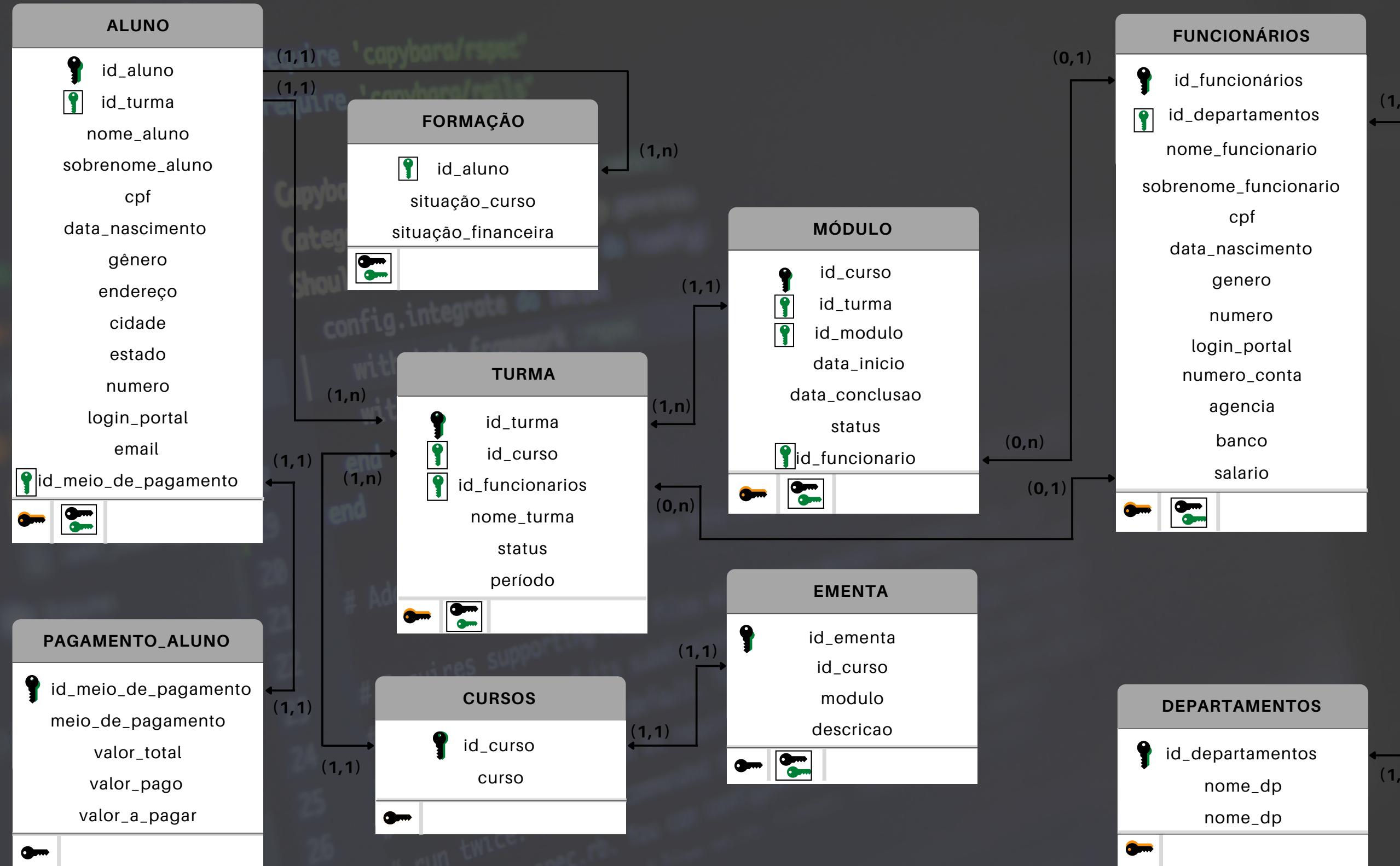
# DESENVOLVIMENTO DO PROJETO

ID	PASSO_A_PASSO
1	REPRESENTAÇÃO DE ENTIDADES E ATRIBUTOS
2	MODELAGEM DO BANCO DA DADOS
3	CRIAÇÃO E PREENCHIMENTO DAS TABELAS NA PLANILHA
4	CRIAÇÃO DE TABELAS E INSERT'S NO PGADMIN
5	ALTERAÇÃO DE INFORMAÇÕES PÓS REUNIÕES
6	06 CONSULTAS REALIZADAS (03+03) + 1 VIEW
7	COMMIT'S E README
8	CRIAÇÃO DE APRESENTAÇÃO

# RESILIA

# MODELAGEM DE DADOS

REPRESENTAÇÃO DAS ENTIDADES E SEUS RESPECTIVOS ATRIBUTOS



**RESILIA**

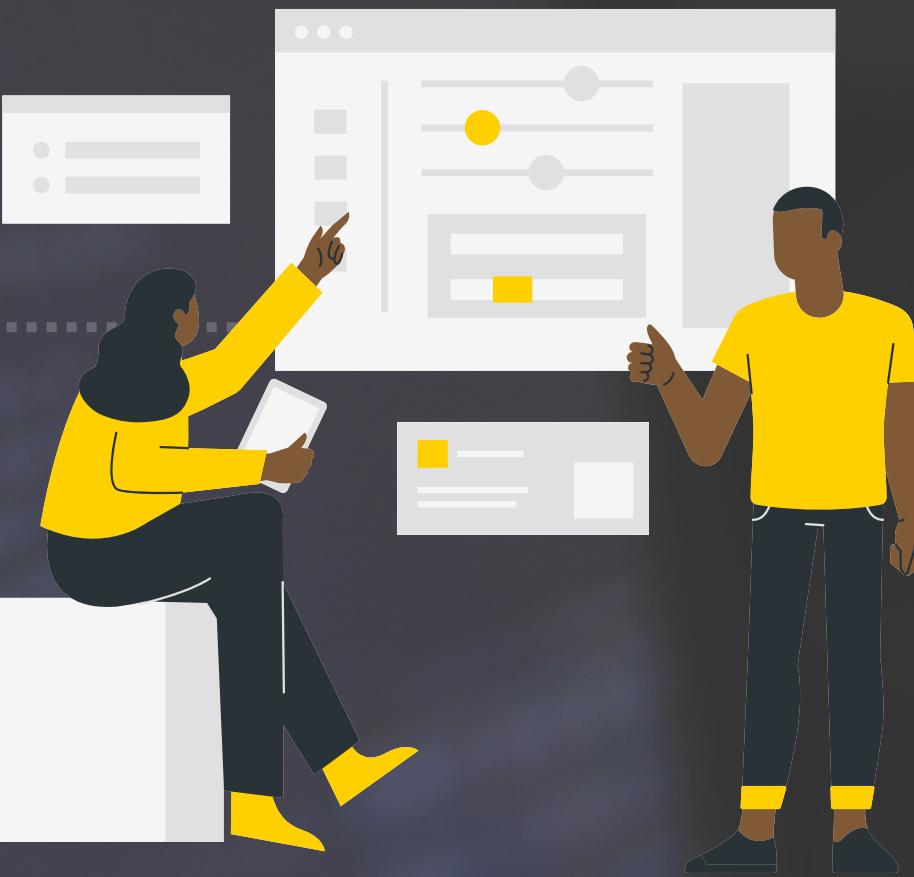
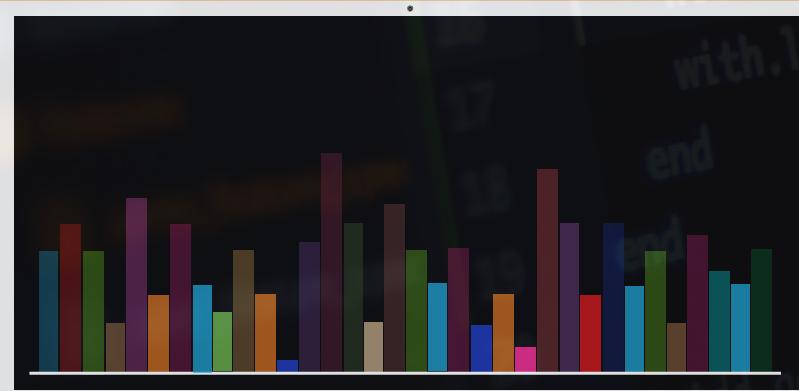
# CONSULTA

ID	PERGUNTAS	TIPO
1	SELECIONAR A QUANTIDADE TOTAL DE ESTUDANTES CADASTRADOS NO BANCO	SOLICITADA PELA RESILIA
2	SELECIONAR TODOS OS ESTUDANTES COM OS RESPECTIVOS CURSOS QUE ELES ESTÃO CADASTRADOS	SOLICITADA PELA RESILIA
3	SELECIONAR QUAIS PESSOAS FACILITADORAS ATUAM EM MAIS DE UMA TURMA	SOLICITADA PELA RESILIA
4	CONSULTAR ALUNOS QUE CONCLUIRAM O CURSO E ESTÃO DEVENDO PAGAMENTO	DESENVOLVIDA PELA EQUIPE
5	CONSULTAR O QUE AS TURMAS ESTÃO APRENDENDO NO MÓDULO ATUAL	DESENVOLVIDA PELA EQUIPE
6	CONSULTAR CONTAGEM DE TURMAS QUE OS FACILITADORES SOFT JÁ DERAM AULA	DESENVOLVIDA PELA EQUIPE

# PÓS-PROJETO

ID	PONTOS POSITIVOS	DESAFIOS
1	PRÁTICA DA ESCUTA ATIVA	GERÊNCIA DO TEMPO DE CADA TAREFA
2	BOA COMUNICAÇÃO	ENCONTRO DE HORÁRIO BOM PARA TODOS
3	ALTO APRENDIZADO EM GRUPO	IMPORTAR TABELAS PLANILHAS GOOGLE
4	SOLUÇÃO EM GRUPO DE DESAFIOS	APLICAÇÃO DOS CARGOS DOS COLABORADORES
5	SINTONIA DE IDEIAS	OBJETIVIDADE DURANTE REUNIÕES
6	COLABORAÇÃO E APOIO MÚTUO	NULL
7	EQUIPE ENGAJADA	NULL
8	NULL	NULL

# NOSSO BANCO



```
6   require 'spec_helper'  
7   require 'rspec/rails'  
8  
9   require 'capybara/rspec'  
10  require 'factory_girl_rails'  
11  
12  #  
13  # Category.delete_all; Category.create(...)  
14  # Shoulda::Matchers.configure do |config|  
15  #   config.integrate do |with|  
16  #     with.test_framework :rspec  
17  #     with.library :rails  
18  #   end  
19  # end  
20  
21  # Additional requires like:  
22  #  
23  #   # Requires supporting files within the same directory as this file if  
24  #   # specified.  
25  #   # spec/support/ and its subdirectories.  
26  #   # in _spec.rb will both be required.  
27  #   # run twice. It is recommended to not include it in _spec.rb so  
28  #   # options on the command line are required each time.  
#  
# mongoid
```

# CONSULTA N°1

```
6 require 'spec_helper'  
7 require 'rspec/rails'
```

```
9 require 'capybara/rspec'  
10 require 'capybara/rails'
```

```
Capybara.javascript_driver = :webkit  
Category.delete_all; Category.create!(name: "DATA ANALYTICS")  
Shoulda::Matchers.configure do |config|  
  config.integrate do |t|  
    t.library 'shoulda-matchers'  
    t.specification 'rails'  
  end  
end
```

```
# Add additional requirements here  
# Requires supporting files within the same directory as spec/  
# spec/support/ and its subdirectories.  
# run as spec files by themselves, e.g.  
# in _spec.rb will both be run  
# run twice. It is recommended that each spec file  
# end with _spec.rb. You can have multiple files if you want,  
# just not混用
```

Query		Query History	
1	-- SELECIONAR A QUANTIDADE TOTAL DE ESTUDANTES CADASTRADOS NO BANCO		
2	<b>select count</b> (id_aluno) <b>as</b> qtd_alunos <b>from</b> alunos;		
3	-- SEPARADOS POR CURSO		
4	<b>select count</b> (id_aluno) <b>as</b> qtd_alunos <b>from</b> alunos <b>inner join</b> turma <b>on</b> alunos.id_turma = turma.id_turma		
5	<b>inner join</b> cursos <b>on</b> turma.id_curso = cursos.id_curso		
6	<b>group by</b> cursos.id_curso;		
Data output		Messages	
	qtd_alunos bigint		
1	200		
	qtd_alunos bigint	curso character varying (50)	
1	40	DATA_ANALYTICS	
2	160	WEBDEV FULL STACK	

# CONSULTA N°2

```
6 require 'spec_helper'  
7 require 'rspec/rails'  
8  
9 require 'capybara/rspec'  
10 require 'capybara/rails'  
11  
12 Capybara.javascript_driver = :webkit  
13 Category.delete_all; Category.open  
14 Shoulda::Matchers.configure do |config|  
15 config.integrate do |with|  
16 with.test_framework :rspec  
17 with.runner :webkit  
18 end  
19 end  
20  
21 # Add additional require statements below this line if necessary  
22  
23 # Requires supporting files within the same directory as this file or  
24 # in spec/support/ and its subdirectories.  
25 # in _spec.rb will both be loaded by default.  
26 # run twice. It is recommended to not change it to simply run once.  
27 # end with _spec.rb. You can remove this line if you don't support back-compatibility.  
28  
# caution on the use of 'mongoid'
```

## Query History

```
1 -- SELECIONAR TODOS OS ESTUDANTES COM OS RESPECTIVOS  
2 CURSOS QUE ESTÃO CADASTRADOS  
3 select concat(nome, ' ', sobrenome) as nome, cursos.curso from  
4 alunos  
5 inner join turma  
6 on turma.id_turma = alunos.id_turma  
7 inner join cursos  
8 on turma.id_curso = cursos.id_curso  
9 order by cursos.curso ;
```

## Data output

## Messages

	nome text	curso character varying (50)
1	MEM AMARO	DATA_ANALYTICS
2	MIGUEL MONJARDIM	DATA_ANALYTICS
3	EMILIANA PORTELLA	DATA_ANALYTICS
4	GUSTAVO WHITE	DATA_ANALYTICS
5	FELIPE HARRIS	DATA_ANALYTICS
6	MÁRCIA CACHOEIRA	DATA_ANALYTICS
7	SAMUEL MARTIN	DATA_ANALYTICS
8	EUSEBIO LEMOS	DATA_ANALYTICS
9	JOÃO PEDRO THOMPSON	DATA_ANALYTICS
10	ELIZANGELA CAMARGO	DATA_ANALYTICS
11	ALDA AZEVEDO	DATA_ANALYTICS
12	MARIA EDUARDA HILL	DATA_ANALYTICS
13	HELENA SCOTT	DATA_ANALYTICS
14	NICOLAS DA SILVA	DATA_ANALYTICS
15	CAROL CANDEIAS	DATA_ANALYTICS
16	HENRIQUE CLARK	DATA_ANALYTICS
17	MARIANA GONZALEZ	DATA_ANALYTICS
18	ISABELA LIMA GONCALVES	DATA_ANALYTICS
19	BALTASAR CÉSAR	DATA_ANALYTICS
20	MATHEUS BARBOSA	DATA_ANALYTICS

# CONSULTA N°3

```
6 require 'spec_helper'  
7 require 'rspec/rails'  
8  
9 require 'capybara/rspec'  
10 require 'capybara/rails'  
11  
12 Capybara.javascript_driver = :webkit  
13 Category.delete_all; Category.create(name: "Linguagens de programação")  
14 Shoulda::Matchers.configure do |config|  
15 config.integrate do |with|  
16   with.test_framework :rspec  
17   with.library :rails  
18 end  
19  
20 # Add additional requires below this line  
21  
22 # Requires supporting files within the same directory as this file.  
23 # spec/support/ and its subdirectories  
24 # run as spec files by default  
25 # in _spec.rb will both be required  
26 # run twice. It is recommended to not  
27 # end with _spec.rb. You can  
28 # action on the mongoid
```

Query		Query History
1 -- SELECIONAR QUAIS PESSOAS FACILITADORAS ATUAM EM MAIS DE UMA TURMA.		
2		
3 select funcionarios.nome_funcionario, count(turma.id_funcionario) 4 as qtd_turmas_de_atuacao from turma 5 inner join funcionarios 6 on turma.id_funcionario = funcionarios.id_funcionario 7 where status = 'EM ANDAMENTO' 8 group by funcionarios.nome_funcionario 9 having count(turma.id_funcionario) > 1 10 order by count (turma.id_funcionario) desc;		
Data output		Messages
	nome_funcionario	qtd_turmas_de_atuacao
1	WESLEY	2

# CONSULTA N°4

```
6 require 'spec_helper'  
7 require 'rspec/rails'
```

```
9 require 'capybara/rspec'  
10 require 'capybara/rails'
```

```
Capybara.javascript_driver = :webkit  
Category.delete_all; Category.create(:name => "Category 1")  
Shoulda::Matchers.configure do |config|  
  config.integrate do |t|  
    t.library 'shoulda-matchers'  
    t.test_framework :rspec  
    t.namespace :rails  
  end  
end
```

```
# Add additional require statements below this line if necessary  
# Requires supporting files within the same directory as this file or,  
# if further up the directory tree, look for a supporting file named  
# spec/support/_supporting_file_name.  
# run as spec files by default  
# in _spec.rb will both be run  
# run twice. It is recommended  
# end with _spec.rb. You can  
# action on the files in the  
# 'mongoid'
```

## Query      Query History

```
1 -- ALUNOS QUE CONCLUÍRAM O CURSO E CONSTAM  
2 COMO DEVEDORES.  
3 select nome, formacao_aluno.situacao_financeira,  
4 turma.status from alunos  
5 inner join formacao_aluno  
6 on formacao_aluno.id_aluno = alunos.id_aluno  
7 inner join turma  
on alunos.id_turma = turma.id_turma  
where formacao_aluno.situacao_financeira =  
'DEVEDOR' and turma.status = 'CONCLUIDO';
```

## Data output

## Messages

	nome character varying (100)	status character varying (20)
1	WESLEY	DEVEDOR
2	FERNANDA	DEVEDOR
3	PEDRO HENRIQUE	DEVEDOR
4	CARLOS	DEVEDOR
5	HEITOR	DEVEDOR
6	ANDREA	DEVEDOR
7	LUIZA	DEVEDOR
8	PAULA	DEVEDOR
9	THAIS	DEVEDOR
10	ARTHUR	DEVEDOR
11	BERNARDO	DEVEDOR
12	HEITOR	DEVEDOR
13	ALICE	DEVEDOR
14	GIOVANNA	DEVEDOR
15	RAFAELA	DEVEDOR
16	LORENA	DEVEDOR
17	ABEL	DEVEDOR
18	ANGÉLICA	DEVEDOR
19	CAETANO	DEVEDOR
20	CARINE	DEVEDOR

# CONSULTA N°5

```
6 require 'spec_helper'  
7 require 'rspec/rails'  
8  
9 require 'capybara/rspec'  
10 require 'capybara/rails'  
11  
12 Capybara.javascript_driver =  
13 Category.delete_all; Category.create(...)  
14 Shoulda::Matchers.configure do |config|  
15 config.integrate do |with|  
16 with.test_framework :rspec  
17 with.runner :webkit  
18 end  
19 end  
20 # Add additional require statements for dependencies  
21  
22 # Requires supporting files within the same directory as this file.  
23 # run as spec/support/ and its subdirectories.  
24 # in _spec.rb will be required automatically.  
25 # run twice. It is recommended to do this in  
26 # end with _spec.rb. You can set it in your  
27 # action on the command line.  
28 # 'mongoid'
```

## Query      Query History

```
1 -- O QUE AS TURMAS EM ANDAMENTO ESTÃO APRENDENDO NO ATUAL  
2 MÓDULO  
3 select turma.nome_turma, cursos.curso, ementa.modulo,  
4 ementa.descricao from modulo  
5 inner join ementa  
6 on ementa.id_ementa = modulo.id_ementa  
7 inner join ementa  
8 on ementa.id_ementa = modulo.id_ementa  
9 inner join ementa  
10 on ementa.id_ementa = modulo.id_ementa  
11 where data_inicio between '30-07-2022' and '01-09-2022';
```

## Data output

## Messages

	nome_turma 	curso 	modulo 	descricao 
1	T_17	WEBDEV FULL STACK	MODULO 5	FRAMEWORKS, BIBLIOTECAS, TECNOLOGIAS....
2	T_18	WEBDEV FULL STACK	MODULO 4	FRAMEWORKS, BIBLIOTECAS, TECNOLOGIAS....
3	T_19	DATA_ANALYTICS	MODULO 3	MODELOS DE ARMAZENAMENTO DE DADOS....
4	T_20	DATA_ANALYTICS	MODULO 3	MODELOS DE ARMAZENAMENTO DE DADOS....

# VIEW

```
6 require 'spec_helper'  
7 require 'rspec/rails'
```

```
9 require 'capybara/rspec'  
10 require 'capybara/rails'
```

```
Capybara.javascript_driver =  
Category.delete_all; Category.
```

```
Shoulda::Matchers.configure do |  
config.integrate do |with|  
with.test_framework :rspec  
with.library :rails  
end  
end
```

```
# Add additional require statements below if required:  
# Requires supporting files within the same directory as this file.  
# If you're in an application module, require your main application file  
# in spec/support/ and its sub-directories like this:  
# require 'spec/support/application'
```

```
# run as spec files by default  
# in _spec.rb will be recommended over  
# run twice. It is recommended to leave  
# end with _spec.rb. You can remove  
# action on the command line.  
# 'mongoid'
```

```
# Add additional require statements below if required:  
# If you're in an application module, require your main application file  
# in spec/support/ and its sub-directories like this:  
# require 'spec/support/application'
```

```
# run as spec files by default  
# in _spec.rb will be recommended over  
# run twice. It is recommended to leave  
# end with _spec.rb. You can remove  
# action on the command line.  
# 'mongoid'
```

```
# Add additional require statements below if required:  
# If you're in an application module, require your main application file  
# in spec/support/ and its sub-directories like this:  
# require 'spec/support/application'
```

```
# run as spec files by default  
# in _spec.rb will be recommended over  
# run twice. It is recommended to leave  
# end with _spec.rb. You can remove  
# action on the command line.  
# 'mongoid'
```

```
# Add additional require statements below if required:  
# If you're in an application module, require your main application file  
# in spec/support/ and its sub-directories like this:  
# require 'spec/support/application'
```

```
# run as spec files by default  
# in _spec.rb will be recommended over  
# run twice. It is recommended to leave  
# end with _spec.rb. You can remove  
# action on the command line.  
# 'mongoid'
```

```
# Add additional require statements below if required:  
# If you're in an application module, require your main application file  
# in spec/support/ and its sub-directories like this:  
# require 'spec/support/application'
```

```
# run as spec files by default  
# in _spec.rb will be recommended over  
# run twice. It is recommended to leave  
# end with _spec.rb. You can remove  
# action on the command line.  
# 'mongoid'
```

```
# Add additional require statements below if required:  
# If you're in an application module, require your main application file  
# in spec/support/ and its sub-directories like this:  
# require 'spec/support/application'
```

```
# run as spec files by default  
# in _spec.rb will be recommended over  
# run twice. It is recommended to leave  
# end with _spec.rb. You can remove  
# action on the command line.  
# 'mongoid'
```

## Query History

```
1 -- FACILITADORES SOFT  
2 create view FacilitadorSoft as  
3 select funcionarios.id_funcionario as id_facilitador_soft,  
4 concat(funcionarios.nome_funcionario, ' ',  
5 funcionarios.sobrenome_funcionario) as nome,  
6 departamentos.nome_departamento  
7 left join facilitadoressoft  
8 on turma.id_funcionario = facilitadoressoft.id_facilitador_  
soft  
group by turma.id_funcionario, facilitadoressoft.nome  
order by count id_funcionario ;
```

## Data output

## Messages

	<b>id_funcionario</b> integer	<b>nome</b> text	<b>nome_departamento</b> character varying(100)
1	2	ESLI QUEIROZ	FACILITAÇÃO SOFT
2	3	THOM RODRIGUES	FACILITAÇÃO SOFT
3	4	GABRIELA CÂNDIDO	FACILITAÇÃO SOFT
4	5	TAMIRES FERREIRA	FACILITAÇÃO SOFT
5	6	THEREZA MELO	FACILITAÇÃO SOFT
6	7	MARCELO TAVARES	FACILITAÇÃO SOFT
7	8	WESLEY GUERRA	FACILITAÇÃO SOFT
8	9	CAROLINA BARBOSA	FACILITAÇÃO SOFT
9	10	PEDRO RIBEIRO	FACILITAÇÃO SOFT
10	11	DANIELA SANTOS	FACILITAÇÃO SOFT

RESILIA

# CONSULTA N° 6

```
6 require 'spec_helper'  
7 require 'rspec/rails'
```

```
9 require 'capybara/rspec'  
10 require 'capybara/rails'
```

```
11 Capybara.javascript_driver = :webkit  
12 Category.delete_all; Category.create(name: "Category 1")  
13 Shoulda::Matchers.configure do |config|  
14   config.integrate do |with|  
15     with.test_framework :rspec  
16     with.framework :mongoid  
17   end  
18 end
```

```
19 # Add additional require statements below if required  
20  
21 # Requires supporting files within the same directory as this file  
22 # or specify a full path  
23 # spec/support/ and its subdirectories  
24 # run as spec files by default  
25 # in _spec.rb will both be loaded  
26 # run twice. It is recommended  
27 # end with _spec.rb. You can also  
28 # run on the command line with 'rspec'.
```

## Query      Query History

```
1 -- CONTAGEM DE TURMAS QUE FACILITADORES JÁ DERAM AULA  
2 select turma.id_funcionario, facilitadoressoft.nome, count  
3 (turma.id_turma) as qtd_turmas from turma  
4 left join facilitadoressoft  
5 on turma.id_funcionario = facilitadoressoft.id_facilitador_  
6 soft  
7 group by turma.id_funcionario, facilitadoressoft.nome  
8 order by count id_funcionario ;
```

## Data output

## Messages

	<b>id_funcionario</b> integer	<b>nome</b> text	<b>qtd_turmas</b> bigint
1	2	ESLI QUEIROZ	1
2	3	THOM RODRIGUES	2
3	4	GABRIELA CÂNDIDO	2
4	5	TAMIRES FERREIRA	2
5	6	<b>THEREZA MELO</b>	2
6	7	MARCELO TAVARES	2
7	8	WESLEY GUERRA	4
8	9	CAROLINA BARBOSA	1
9	10	PEDRO RIBEIRO	2
10	11	DANIELA SANTOS	2

# OBRIGADO(A)! :)

RESILIA