# Rails Framework

users(#id,name,email,login)

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Spalten, Attribute

## MVC

M: Model

users (Plural) besteht aus mehreren Objekten vom Typ User (singular = eine Zeile in der Tabelle)

rails g model user name email login

Model  ORM Objektrelationale Mapping = No SQL

SELECT name FROM users WHERE id=1

User.name.find(1)

| |

Eigenschaft. |

Methode

User.find\_by\_email(“ralph.maurer@gibb.ch”)

User  DB Schema: users(#id:integer,name:string,email:string,login:string)

User.all = Select \* FROM users

User.first = SELECT TOP(\*) FROM users

User.create(:name=>’Ralph Maurer’, :email=>’Ralph.Maurer@gibb.ch’,….)

u1 = User.new

u1.name=”Ralph Maurer”

u1.email=’Ralph.Maurer@gibb.ch’

u1.save

rails g migration AddAgeToUser

 db/migrate/<datetime>\_AddAgeToUser

def change

table.addcolumn Age:integer

end

rails db:migrate

rails destroy migration AddAgeToUser

## C: Controller / V: View

rails g controller user index show edit new

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Views

 app/controller/users\_controller.rb

 app/views/users/index.html.erb|show.html.erb|edit.html.erb|new.html.erb

index = Liste von allen users

 users\_controller.rb

def index

@alleUser = User.all

end

 index.html.erb

<%@alleUser.each do |u| %>

<%=u.name%>

<%=u.email%>

<%end%>

Routen (HTTP Verben post, put, get, patch, delete):

config/routes.rb

root user#index

get user/index

post user/new

patch user/edit  patch ‘user’ to users#edit(params[id])

<%= link\_to u.name, {:action => edit, :id => u.id} %>

Relationen:  
users(name,email,login). M

permission(object) 1

rails g model object user:references

permission(object, user\_id)

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--------------------id von Tabelle User

app/models/user.rb

Class user

belongs\_to :permission. 1 Beziehung

End

app/models/permission.rb

Class permission

has\_many :users m Beziehung

End