* **rails new** <project name>
* gem 'hirb' 🡪 **bundle install 🡪rails c 🡪 Hirb.enable**
* **rails g model User** f\_name: string l\_name:string age:integer
* **rake db:migrate**
  + creates a migration file with instructions to create table in db that represents your model
* **rails db:migrate:status**
  + up = changes of that migration file have been executed
  + down = changes have not been executed
  + WARNING: never delete a migration file that is up
* **rails g migration AddEmailColumnToUsers email:string**
* **rake db:rollback**
* **rake db:migrate:up VERSION=##############** turns up specific migration
* **rake db:migrate:down VERSION=##############** turns down specific migration
* **rails c**
* **user1 = User.new(**f\_name: "Djangus", l\_name: "Roundstone", age: 22**)**
* **user.save**

***OR***

* **User.create(**f\_name: "Djangus", etc.**)**
* **reload!** Everytime there's any changes in the model
* One-to-many Relationships
  + rails g model Message content:text **user:references**
    - adds a foreign key to Message model, referencing a user
    - **Message.create(content: "Message 1", user: User.first)**
  + The Message model file will now include **belongs\_to :user**
    - Notice how **:user** is *singular*
    - Now we can add **has\_many :messages** to the User model file
      * Notice how **:messages** is *plural*
* Many-to-many Relationships
  + **rails g model Student name:string**
  + **rails g model Course title:string**
  + **rails g model Signup student:references course:references**
  + Since students can have many courses, and courses can have many students, we establish their many-to-many relationship using a Signup model.
    - In the Student model file:
      * **has\_many :signups**
      * **has\_many :courses, through: :signups**
    - Same with the Courses model file