In this lecture, we will discuss...

♦ How to seed the database with some preliminary data



People Table Setup

\$rails new advanced_ar \$cd advanced_ar

```
~$ cd advanced_ar/
~/advanced_ar$ rails g model person first_name age:integer last_name
     invoke active_record
     create db/migrate/20150908214851_create_people.rb
     create app/models/person.rb
     invoke test_unit
     create test/models/person_test.rb
     create test/fixtures/people.yml
~/advanced_ar$ rake db:migrate
== 20150908214851 CreatePeople: migrating ===
-- create_table(:people)
  -> 0.0007s
== 20150908214851 CreatePeople: migrated (0.0007s) ==
```



db/seeds.rb

- We covered creating the model and migration (structure), but it would be nice to also populate development data
- ♦ Rails provides db/seeds.rb for precisely this purpose
- → To populate the database with some initial values just run

rake db:seed



db/seeds.rb

```
FOLDERS
                                  seeds.rb
▼   advanced_ar
                              Person.destroy_all
                                                  Use create! – whv?
  ▶ □ app
  ▶ C¬ bin
                              Person.create! [
  ▶ ( ) config
                                { first_name: "Kalman", last_name: "Smith", age: 33 },
                                { first_name: "John", last_name: "Whatever", age: 27 },
  { first_name: "Michael", last_name: "Smith", age: 15 },
   ▶ 🗀 migrate
                                { first_name: "Josh", last_name: "Oreck", age: 57 },
                                { first_name: "John", last_name: "Smith", age: 27 },
      (A) development.sqlite3
                                { first_name: "Bill", last_name: "Gates", age: 75 },
      Schema.rb
                                { first_name: "LeBron", last_name: "James", age: 30 }
     seeds.rb
```

```
~/advanced_ar$ rake --describe db:seed
rake db:seed
  Load the seed data from db/seeds.rb

~/advanced_ar$ rake db:seed
~/advanced_ar$
```



Database Populated

```
~/advanced_ar$ rails db
SQLite version 3.8.5 2014-08-15 22:37:57
Enter ".help" for usage hints.
sqlite> .headers on
salite> .mode columns
sqlite> select * from people;
id
            first_name age
                                                created_at
                                                                            updated_at
                                    last_name
            Kalman
                        33
                                    Smith
                                                2015-09-08 21:55:15.957901 2015-09-08 21:55:15.957901
            John
                        27
                                    Whatever
                                                2015-09-08 21:55:15.962657 2015-09-08 21:55:15.962657
            Michael
                        15
                                    Smith
                                                <u>2015-09-08 21:55:15.965456</u> 2015-09-08 21:55:15.965456
            Josh
                        57
                                    0reck
                                                2015-09-08 21:55:15.967139 2015-09-08 21:55:15.967139
            John
                        27
                                    Smith
                                                2015-09-08 21:55:15.968805 2015-09-08 21:55:15.968805
            Bill
                        75
                                    Gates
                                                2015-09-08 21:55:15.970373 2015-09-08 21:55:15.970373
            LeBron
                        30
                                    James
                                                2015-09-08 21:55:15.971978 2015-09-08 21:55:15.971978
```



Summary

- ♦ db/seeds.rb lets you seed the database
- ♦ Use create! otherwise it will fail silently

What's Next?

♦ Dangers of SQL injection

