

Database Seeding

Now that you have your user and listing models set up, let's populate our database so that we have some examples to test with on our app.

We just need to do 2 things:

1. Create instances in `seed.rb`.
2. Run `bundle exec rake db:seed`

Done!

Here's a sample seed file for your reference. Note that what is given here may be different from what you have in your model, so please tweak the code accordingly if you plan to use this reference.

```
# Seed Users

user = {}

user['password'] = 'asdf'
user['password_confirmation'] = 'asdf'

ActiveRecord::Base.transaction do

  20.times do

    user['first_name'] = Faker::Name.first_name
    user['last_name'] = Faker::Name.last_name
    user['email'] = Faker::Internet.email
    user['gender'] = rand(1..2)
    user['phone'] = Faker::PhoneNumber.phone_number
    user['country'] = Faker::Address.country
    user['birthdate'] = Faker::Date.between(50.years.ago, Date.today)
```

```
User.create(user)
```

```
end
```

```
end
```

```
# Seed Listings
```

```
listing = {}
```

```
uids = []
```

```
User.all.each { |u| uids << u.id }
```

```
ActiveRecord::Base.transaction do
```

```
  40.times do
```

```
    listing['name'] = Faker::App.name
```

```
    listing['place_type'] = rand(1..3)
```

```
    listing['property_type'] = ["House", "Entire Floor", "Condominium", "Villa", "Townhouse", "Castle", "Treehouse", "Igloo", "Yurt", "Cave", "Chalet", "Hut", "Tent", "Other"].sample
```

```
    listing['room_number'] = rand(0..5)
```

```
    listing['bed_number'] = rand(1..6)
```

```
    listing['guest_number'] = rand(1..10)
```

```
    listing['country'] = Faker::Address.country
```

```
    listing['state'] = Faker::Address.state
```

```
    listing['city'] = Faker::Address.city
```

```
listing['zipcode'] = Faker::Address.zip_code
```

```
listing['address'] = Faker::Address.street_address
```

```
listing['price'] = rand(80..500)
```

```
listing['description'] = Faker::Hipster.sentence
```

```
listing['user_id'] = uids.sample
```

```
Listing.create(listing)
```

```
end
```

```
end
```

Important notes:

1. If you are using Faker, remember to have the Faker gem (<https://github.com/stympy/faker>) listed in your Gemfile and run `bundle`.
2. You will notice that we wrapped our creations with `ActiveRecord::Base.transaction` (read the documentation [here](#)). This is because if any of the creation raises error, the previous creation will be rolled back (i.e. the database will be returned to the previous state. For example:

```
ActiveRecord::Base.transaction do
```

```
  user1 = User.create(email: 'haha@example.com')
```

```
  user2 = User.create(email: 'hehe@example.com')
```

```
  user3 = User.create(email: 'hehe@example.com')
```

```
end
```

With the `transaction` method, since `user3` violated the uniqueness validation, `user1` and `user2` that were created previously will be rolled back. Once you fix that you can run the seed file again. If you did not wrap `ActiveRecord::Base.transaction` around it, if the error happens and `user1` and `user2` have been created, once you fix `user3` and run again, both `user1` and `user2` will violate the validation this time because `user1` and `user2` are already in the database. If this seems a bit mind-boggling, go give it a try and explore what happens with and without wrapping `ActiveRecord::Base.transaction` :)

For extra reading on transactions, check out this [blog](#)!