Assignment for Module #1: Basic Active Record CRUD

The overall goal of this assignment is to assess your ability to implement basic CRUD functionality of Active Record. This includes:

- Creating Active Record Models using a rails-provided generator (rails g model or rails g scaffold)
- Creating a DataBase (DB) schema
- Inserting rows in the DB
- Updating rows in the DB
- Querying the DB with exact matching
- Getting rows from the DB by Primary Key (PK)
- Deleting rows from the DB
- Retrieving paginated results from the DB using limit and offset keywords

This does NOT include:

- Seeding with seeds.rb
- Relationships
- Validations
- Advanced queries

These topics of Active Record are covered in Module 2.

The functional goal of this assignment is to implement CRUD behavior for four (4) Model classes

1. User
2. Profile
3. TodoList
4. TodoItem

Functional Requirements

1. Create several Active Record Model classes

   - User
   - Profile
   - TodoList
   - TodoItem

2. Create a DB schema for each Model class

3. Demonstrate CRUD access to information in the DB using Active Record Model methods.

Getting Started

1. Create a new Rails application called todolists.

2. Add the following specification to your Gemfile to enable rspec testing.

```
group :test do
  gem 'rspec-rails', '~> 3.0'
end
```

3. Run the bundle command to resolve new gems

4. From the todolists application root directory, initialize the rspec tests using rails generate rspec:install command.

```
[todolists]$ rails generate rspec:install
create  .rspec
create  spec
create  spec/spec_helper.rb
create  spec/rails_helper.rb
```

Add the following line to .rspec to add verbose output to test results.

```
--format documentation
```

5. Download and extract the starter set of boostrap files.