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# Lesson 5.3: User Management Using Devise

## Gem of the Day

Devise <https://github.com/plataformatec/devise>

(welcome to add another if you like)

Other Options: [Clearance](https://github.com/thoughtbot/clearance), [Pundit](https://github.com/elabs/pundit), CanCan, CanCanCan, Rolify

* Clearance - simpler version of Devise
* CanCan - generates user role abilities
* CanCanCan - using this instead because developer for CanCan has dropped off face of earth
* Rolify - roles library without authorization enforcement?

## Lesson Plan

1. What is Devise and how does it work? What are some best practices?
2. Create a devise feature branch.
3. Install gem and generate initializer. Discuss the initializer and the options.
4. Generate the user model. Notes:
   1. We already have an Owner table, but that’s fine because we will have three types of users (if we get that far): Admins (can make any changes), Employees (can check in/check out dogs and charge for services), and General Public.
   2. The general public will be able to buy products off of our website once we build out that option.
5. Add controller filters for authenticating users.
6. Add sign in/sign up/sign out links based on logic. Put them in the navbar on the right. If you have time, separate the navbar into a partial. <https://github.com/plataformatec/devise/wiki/How-To:-Add-sign_in,-sign_out,-and-sign_up-links-to-your-layout-template>
7. Make the devise views and links prettier. Note: Bootstrap is already in our apps though we have slightly different themes.
8. Commit any final changes, then merge (no fast forward) back into master.

OPTIONAL: Allow email or username: <https://github.com/plataformatec/devise/wiki/How-To:-Allow-users-to-sign-in-using-their-username-or-email-address>

Roles? Talk about role types, binary, bitmask roll, string rolls etc.

Pundit vs CanCan vs CanCanCan vs Authority vs Rolify?

## Homework

Practice by adding Devise to another app - either one we already created or another. Add the user model and also update the views with logic for sign in/out/up. READ and understand the differences of all the authorization options available.