Ruby on Rails

Complex Apps and Testing

Cookies

Information stored on the browser's system

Sent back and forth to the server as headers

```
cookies[:user_name]

cookies.permanent[:user_name]

cookies.signed[:user_name]

cookies.delete :user_name
```

Sessions

Like a cookie, but can store objects, not just strings

Accessed via a hash names `session`

Reset using `reset_session`

Activity

Build an app that shows a list of breadcrumbs

Make a controller with a few actions

Use a `before_filter` to manage a session value for the breadcrumbs

Testing Models

rails test:models

```
product.price = -1

assert product.invalid?

assert product.errors[:price].any?
```

Testing Controllers

rails test:controllers

```
get authors_url

assert_response :success
```

Nested Routes

Creates separate URLs for books and authors

```
Rails.application.routes.draw do

    resources :books

    resources :authors

end
```

Nested Routes

Creates books within the context of authors

```
Rails.application.routes.draw do

    resources :authors do

        resources :books

    end

end
```

Route Aliases

/api/v1/posts

```
namespace :api do

  namespace :v1 do

      resources :posts

    end

end
```

Route Aliases

/2017/04/22

```
get ':year(:month(:day))', to: 'posts#index'
```

Code Quality Tools

excellent

flay

reek