

# Service Modules

A minor refactoring



# Service Classes

```
class SessionsController < ApplicationController
  def create
    user = User.find_by(email: params[:email])

    if user &&
      BCrypt::Password.new(user.password_digest) == params[:password]
      sign_in user
      redirect_to dashboard_path
    else
      flash[:alert] = "Login failed."
      render "new"
    end
  end
end
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      # ...
    end
  end
end
```

```
class UserAuthenticator
  def initialize(user)
    @user = user
  end

  def authenticated?(unencrypted_password)
    return false unless @user

    BCrypt::Password.new(@user.password_digest) ==
      unencrypted_password
  end
end
```

```
class SessionsController < ApplicationController
  def create
    user = User.find_by(email: params[:email])

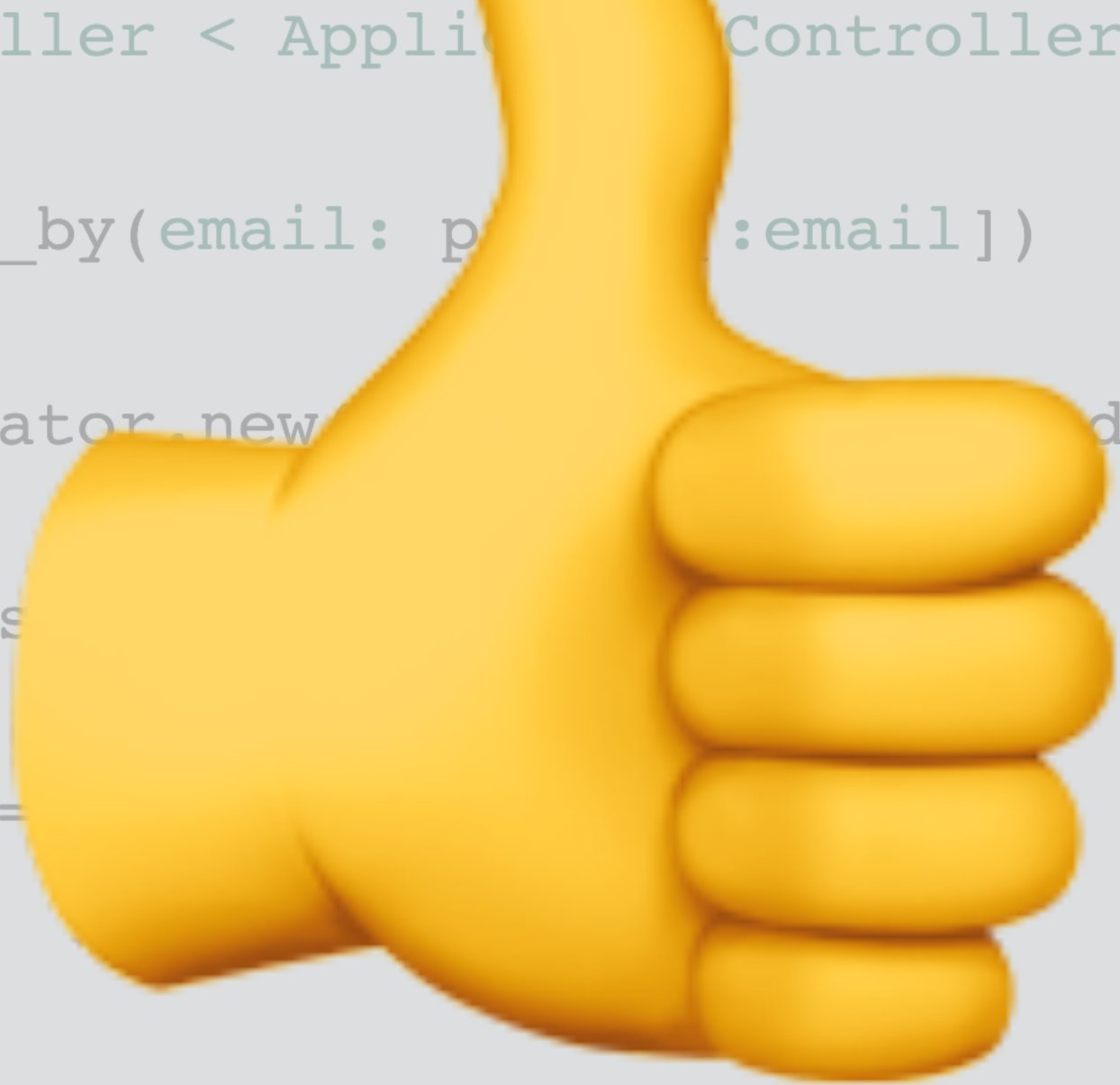
    if UserAuthenticator.new(user).authenticated?(params[:password])
      # ...
    else
      # ...
    end
  end
end
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  end
end
```

```
class SessionsController < ApplicationController
  def create
    user = User.find_by(email: params[:email])

    if UserAuthenticator.new.valid?(params[:password])
      sign_in user
      redirect_to dashboard
    else
      flash[:alert] = "Invalid email or password"
      render "new"
    end
  end
end
```



**But**

```
class SessionsController < ApplicationController
  def create
    user = User.find_by(email: params[:email])

    if UserAuthenticator.new(user).authenticated?(params[:password])
      # ...
    else
      # ...
    end
  end
end
```



```
authenticator = UserAuthenticator.new(user)  
authenticator.authenticated?
```

```
authenticator = UserAuthenticator.new(user)  
authenticator.authenticated?  
authenticator.two_factor_enabled?
```

```
authenticator = UserAuthenticator.new(user)
authenticator.authenticated?
authenticator.two_factor_enabled?
authenticator.authenticate_with_facebook
```

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    user = User.find_by(email: params[:email])

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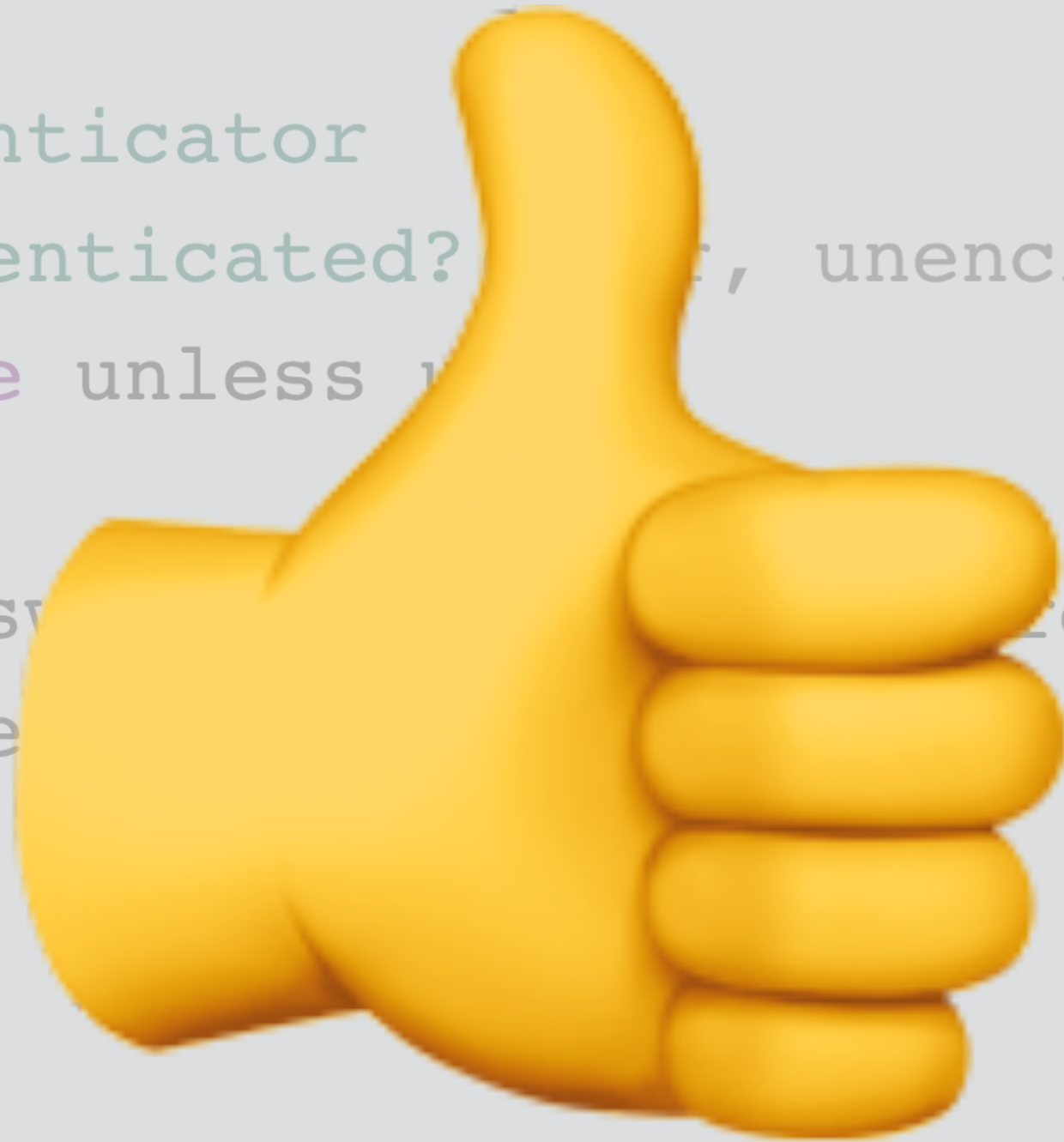
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  end
end
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```
class UserAuthenticator
  def self.authenticated?(username, unencrypted_password)
    return false unless username ==
      BCrypt::Password.new(unencrypted_password).hashed_digest) ==
      unencrypted_password
  end
end
```



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```
module UserAuthenticator
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```
module UserAuthenticator
  module_function

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Do you  
**REALLY**

need that OBJECT?



if not, go  
module

**Thanks!**  
@paulfioravanti

