



Google On Fire

Project Update – 5

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Project Overview

Project Summary:

- Amazon Fire Tablets restricts users to only allowing applications to be downloaded from the Amazon Appstore versus the Google Play Store. The issue with this setup is that the Amazon Appstore is not as robust as the Google Play Store. A few examples of popular applications that are not downloadable via the Amazon Appstore:
 - YouTube
 - YouTube TV
 - Gmail
 - Chrome
 - Hangouts
 - Google Maps
 - Ring
 - WhatsApp Messenger
- This website will be a tunnel for Amazon Fire Tablets to download and install the Google Account and Play Services APK files via the Silk Browser.

Project Status:

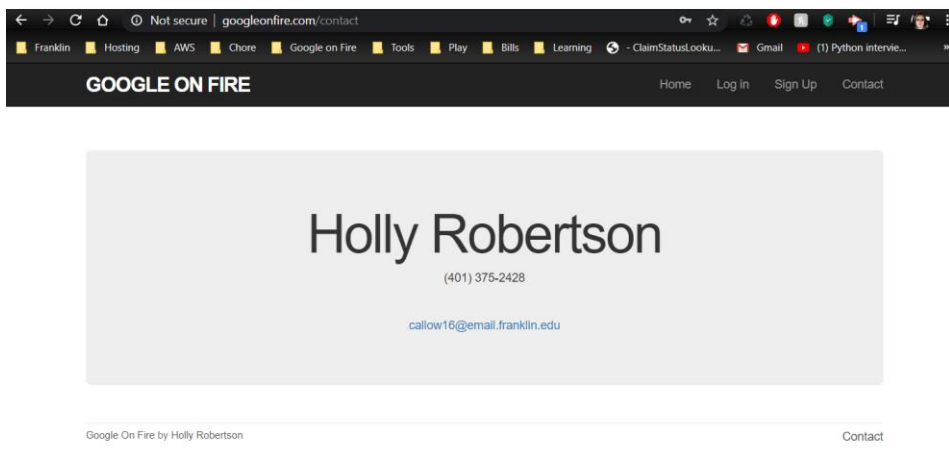
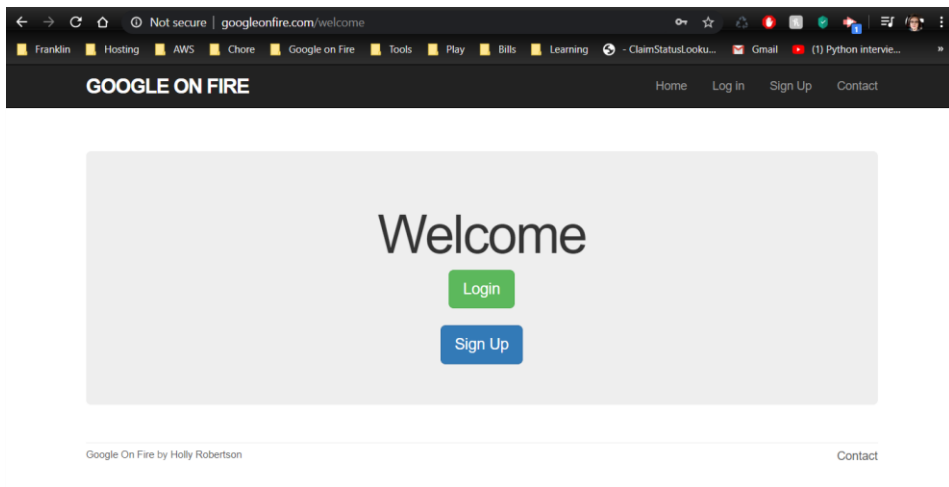
- Week 1 of Development:
 - On-Schedule for Deployment on 4/18/2020
- Week 2 of Development:
 - On-Schedule for Deployment on 4/18/2020, but testing may be shortened to compensate for more development time.
- Week 3 of Development:
 - There was basically no progress made due to unexpected travel. This will definitely increase the time needed to develop but hoping to save time by implementing a quick sign-up framework – OKTA. That is currently being developed within the Test Environment.

- Week 4 of Development:

- The decision was made to go with a personalized authentication method vs OKTA framework.

- Using: https://3rd-edition.railstutorial.org/book/log_in_log_out

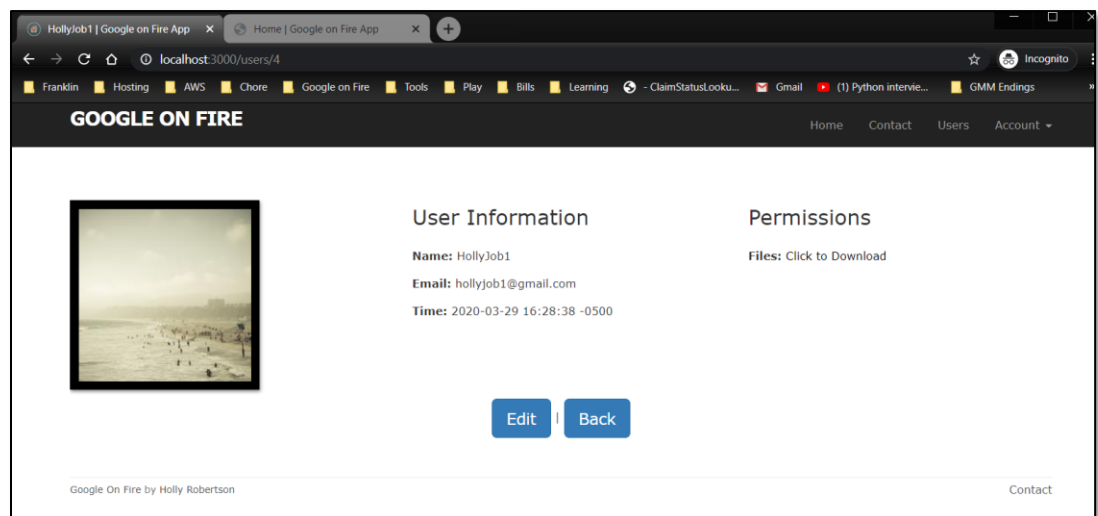
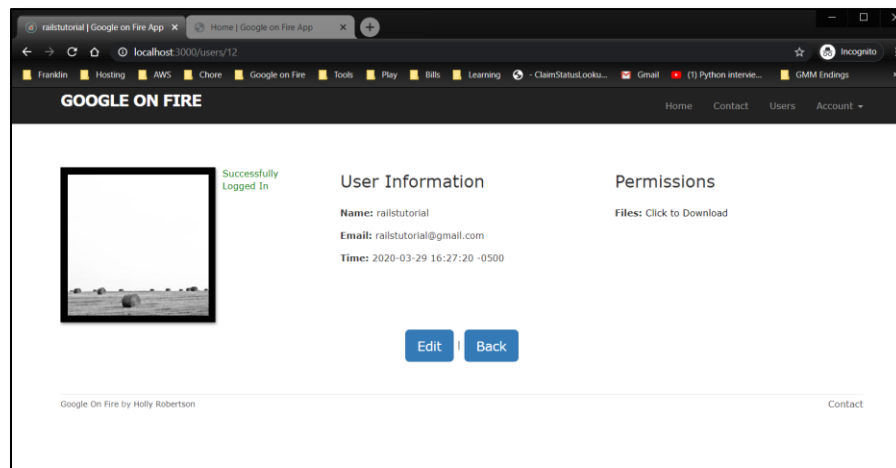
- Updated UI



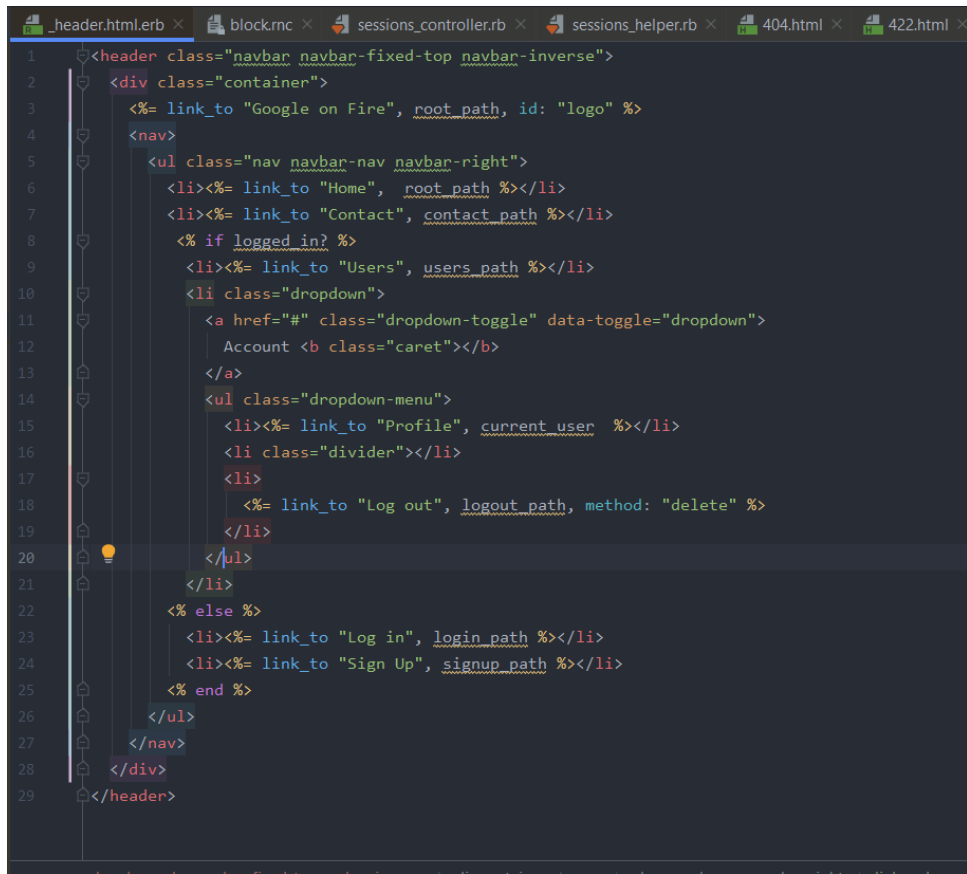
- Week 5 of Development:

- Sign Up / Log In / Log Out process is not live in Production Environment.
- Every user a dynamic, random Avatar as well, pulled by the app/helpers/users_helper.rb

```
users_helper.rb  _header.html.erb  sessions_helper.rb  404.html  ...
1 module UsersHelper
2   # Returns the Gravatar for the given user.
3   def gravatar_for(user, options = { size: 200 })
4     gravatar_id = user.id * 25
5     size = options[:size]
6     gravatar_url = "https://i.picsum.photos/id/#{gravatar_id}/#{size}"
7     image_tag(gravatar_url, alt: user.name, class: "gravatar")
8   end
9 end
```



- Also updated the Header to see if user *is_logged_in?*, if user is logged in the Sign Up and Log In links will not show up.



```
1 <header class="navbar navbar-fixed-top navbar-inverse">
2   <div class="container">
3     <%= link_to "Google on Fire", root_path, id: "logo" %>
4     <nav>
5       <ul class="nav navbar-nav navbar-right">
6         <li><%= link_to "Home", root_path %></li>
7         <li><%= link_to "Contact", contact_path %></li>
8         <% if logged_in? %>
9           <li><%= link_to "Users", users_path %></li>
10          <li class="dropdown">
11            <a href="#" class="dropdown-toggle" data-toggle="dropdown">
12              Account <b class="caret"></b>
13            </a>
14            <ul class="dropdown-menu">
15              <li><%= link_to "Profile", current_user %></li>
16              <li class="divider"></li>
17              <li>
18                <%= link_to "Log out", logout_path, method: "delete" %>
19              </li>
20            </ul>
21          </li>
22          <% else %>
23            <li><%= link_to "Log in", login_path %></li>
24            <li><%= link_to "Sign Up", signup_path %></li>
25          <% end %>
26        </ul>
27      </nav>
28    </div>
29  </header>
```

Project Progress Made This Week:

- Last Week's issues:
 - Database migration issue
 - Solved by dropping all tables and then re-creating them, done by **rails db:reset** and then **rails db:reset RAILS_ENV=production**
- Successfully implemented a Build-Your-Own-Authentication for application by:
 - Using [this](#) tutorial
 - Created a Static Pages Controller (to handle welcome, contact, about, etc)



- Used method invocation for the ***_header***, ***_footer***, and actual content pages

```
18 <body>
19   <%= render 'layouts/header' %>
20   <div class="container">
21     <%= yield %>
22     <%= render 'layouts/footer' %>
23   </div>
24 </body>
25 </html>
26
```

- Created a column in the **Users** database to handle ***password_digest***.
Used the bcrypt gem to hash and filter the password.

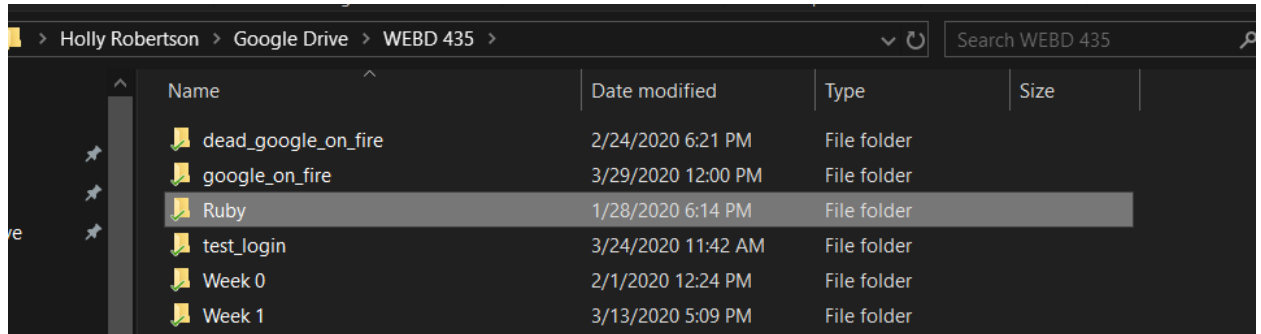
```
13 ActiveRecord::Schema.define(version: 20200329143701) do
14
15   create_table "users", force: :cascade, options: "ENGINE=InnoDB DEFAULT CHARSET=utf8" do |t|
16     t.string "name"
17     t.string "email"
18     t.string "password_digest"
19     t.datetime "created_at", null: false
20     t.datetime "updated_at", null: false
21   end
22 end
23
```

- Created Sessions Controller to verify a user by calling the database to search by email and then set the ***:user_id*** of the Sessions object – done by Ruby on Rails Magic. The ***sessions_controller.rb*** calls on the ***sessions_helper.rb*** to login, set ***current_user***, verify user is logged in or not, and then logout (by destroying the ***:user_id*** you set earlier)

```
sessions_helper.rb x sessions_controller.rb x _header.html.erb x 404.html
1 module SessionsHelper
2   # Logs in the given user.
3   def log_in(user)
4     session[:user_id] = user.id
5   end
6
7   # Returns the current logged-in user (if any).
8   def current_user
9     @current_user ||= User.find_by(id: session[:user_id])
10  end
11
12  # Returns true if the user is logged in, false otherwise.
13  def logged_in?
14    !current_user.nil?
15  end
16
17  # Logs out the current user.
18  def log_out
19    session.delete(:user_id)
20    @current_user = nil
21  end
22 end
23
```

Project Issues This Week:

- Had to create a new Ruby on Rails Project, go through the entire tutorial and then go through the entire tutorial again, only updating specific parts in the Google_on_Fire code. – This was resolved



The screenshot shows a Google Drive interface with a dark theme. The breadcrumb path at the top is '> Holly Robertson > Google Drive > WEBD 435 >'. A search bar on the right contains the text 'Search WEBD 435'. Below the path is a table listing folders. The 'Ruby' folder is highlighted with a grey background. Each folder entry includes a small yellow folder icon, a green checkmark, the folder name, the date and time it was last modified, and its type ('File folder').

Name	Date modified	Type	Size
dead_google_on_fire	2/24/2020 6:21 PM	File folder	
google_on_fire	3/29/2020 12:00 PM	File folder	
Ruby	1/28/2020 6:14 PM	File folder	
test_login	3/24/2020 11:42 AM	File folder	
Week 0	2/1/2020 12:24 PM	File folder	
Week 1	3/13/2020 5:09 PM	File folder	