2.4.2020 Meeting Agenda

Last Week’s Items:

1. Answer all the questions around the functionality of the website. Jonathan will start the draft
   * I’ve done this, it’s on the GitHub
2. **ER Design**: have the ER diagram for your application, plus descriptions in plain words on the assumptions you make. For example, "we think that there must be only 1 advisor for each student". Use Draw.io and upload to Github
   * This is started – it’s rough, but we can take a look
3. What type of machine learning can we incorporate into the app and how would we do that? If Brian builds something in Python, how can that be incorporated into the app-Jonathan & Albert
   * Some conversation has happened here, looks like there are definitely options
4. Brian will start to do some of the exploratory data analysis into a Jupytor notebook
   * I see it in the GitHub, maybe a review?
5. Jonathan and Julio to connect on front end
   * I did a bunch of research on this, there are a ton of ways to incorporate different front end tools (including React), I’ve experimented with a few, we’ll just want to decide on the way to go. Here are some examples:
     + <https://www.digitalocean.com/community/tutorials/how-to-set-up-a-ruby-on-rails-project-with-a-react-frontend>
     + [React-rails](https://github.com/reactjs/react-rails)
     + <https://www.freecodecamp.org/news/how-to-create-a-rails-project-with-a-react-and-redux-front-end-8b01e17a1db/>
     + [ReactOnRails](https://github.com/shakacode/react_on_rails)
6. Set up recurring meeting – Jonathan
   * Sorry ☹

Today’s Agenda

1. Admin:
   1. With Julio withdrawing, do we want to try to find someone else to join?
   2. Collaboration Tools?
      1. Use GitHub exclusively? Or supplement with Google Docs?
2. Project Stage 1
   1. Take a look at what I have so far for the Stage 1 Deliverable – Jonathan
   2. Do to:
      1. Decide on Advanced Functionality (I’ve uploaded a document with some of my ideas in the /ProjectDetails directory
      2. Finalize ER Diagram – I asked a question on Piazza if there are any specific expectations for software
3. Tech Stack
   1. Skeleton app? -Albert
   2. Incorporating additional front-end tools
      1. As described above, there are a lot of options here and I would recommend we stay focused on React as the javascript tool.
      2. Styling – I’m most comfortable with Bootstrap, would want Albert’s thoughts – Material UI looks good too.
      3. Given the functionality that React has, I think we could really benefit from having a few components built from it. Especially in the next few weeks, I’ll have a decent amount of time to see what progress I can make on them.
4. Data Analysis
   1. Take a look at what Brian has come up with
   2. How would we incorporate?
      1. My thought here is that if we incorporate some kind of “recommendation engine” the analysis we’ve done would power that.