Rain or Shine

'Weather' it's rain or shine, always find something to do!

A Web Application Developed By: Alan Ashworth, Pallavi Nama, John Senak, and Jayson Duff

Elevator pitch

Concept

- Rain or Shine utilizes two server-side API's: OpenWeather API and Bored API. By taking in a zip code as user input, the application is able to forecast the local weather and recommend weather appropriate activities to the user. Four activities are returned by default, with an option for the user to 'reshuffle' their choices by making another API call.
- Combating boredom is the primary motivator for the application. Boredom arises not only when one does not know what to do, but also when one does not know what to do with the given circumstances (i.e. weather).
- WHEN I input a valid zip code on the landing page
  THEN I am navigated to the results page with my local weather and activities
  IF I do not like the activities given or wish to search a different zip code
  THEN I am given intuitive options to modify my results

Process

- Materialize as a CSS framework. OpenWeather and Bored API's
- **Front End:** John Senak

                Jayson Duff

  Back End: Alan Ashworth

                Pallavi Nama

- **Challenges:**
  - The Bored API turned out to be a limiting factor with its poor querying functionality (inability to double up query parameters, even of like kind)
  - Workflow, from understanding the logical progression of features to work on, to merge conflicts and terminal errors. This improved as familiarity was gained over the course of production.
- **Successes:**
  - Clear coordination between Front End and Back End (especially when it came to id naming convention and content structure to later be manipulated in the DOM)
  - Group compromise of ideas without sacrificing individual developer personality (our code is a blend of coding styles and approaches that still maintains a coherent and functional end result)

Demo

Directions for Future Development

- **Further query parameters entered by user besides zip code**
  - User budget for activities, number of participants, type of activity
- **Ability to interact with activities**
  - Options to cross off activities, save list of activities for later, export activities as a pdf list
- **Personalized Recommendations**
  - Thumbs Up/Down suggestions based on relevance, option for "do not show me this activity again," have these preferences saved and persist on each site visit
- **Hyperlinked resources for activities**
  - Besides just the activities themselves, provide resources available on the web where one can find out more information (perhaps using a youtube api search to recommend instructional videos)

Links

- **Deployed**
  - https://fmiusov.github.io/Rain-or-Shine/
- **GitHub repo**
  - https://github.com/fmiusov/Rain-or-Shine