Represent

Brian Pugh

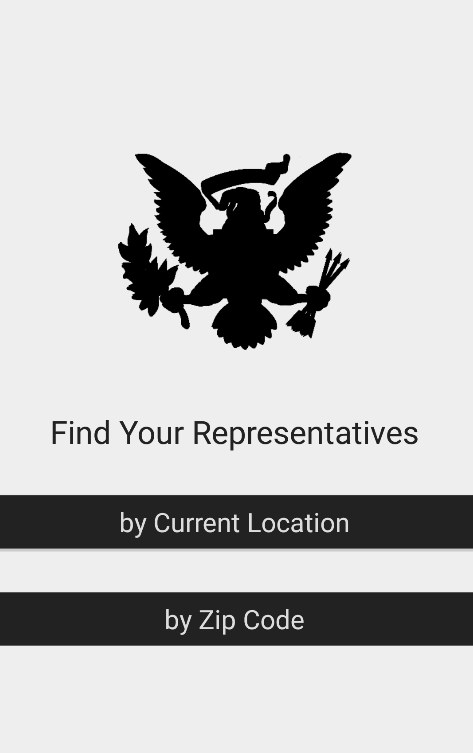
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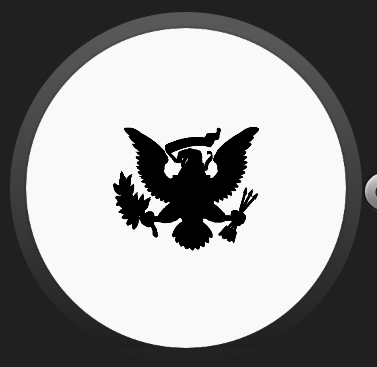
CS 160, Paulos

Video: https://www.youtube.com/watch?v=\_ymjHqMi\_bo&feature=em-upload\_owner

Github: https://github.com/cs160-sp16/prog-02-represent-brianashpugh

Location Input Screen





Current Location

On click, this button gets the current GPS location from Google Location API.

Zip Code

On click, the zip code “button” erases its placeholder text and presents the onscreen keyboard.

Nuts and Bolts

Each way of getting location is piped to the Google Geolocation API, which returns data including the location’s state and county.

The location is used to request data from the Sunlight API. This includes a Twitter handle which is used by Twitter Fabric to get the user’s last Status (aka Tweet) and profile image url. The url is used to download the image.

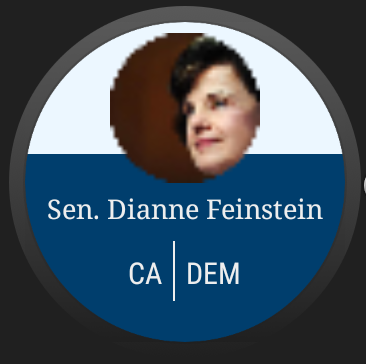
Iteration

This screen remained the same as when I initially conceived it for Figma wireframes.

Representative List View







Interaction

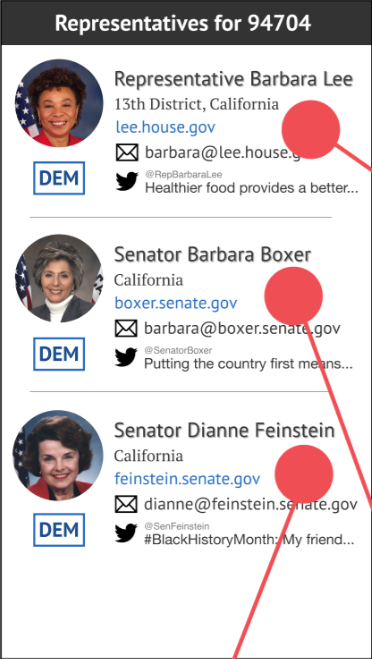
On click, the representative view for the clicked representative will be brought up. During this view, the watch also shows its representative list, which can be swiped through left or right. Swiping up on the watch enters the election view.

Presentation

The color of the title bar adapts to the party of the representative. The primary two being obvious, independents show in green. In addition, the watch view’s background adapts to representative party. When a House Representative is shown, the district appears in the watch view, but it disappears without a trace on viewing a Senator.

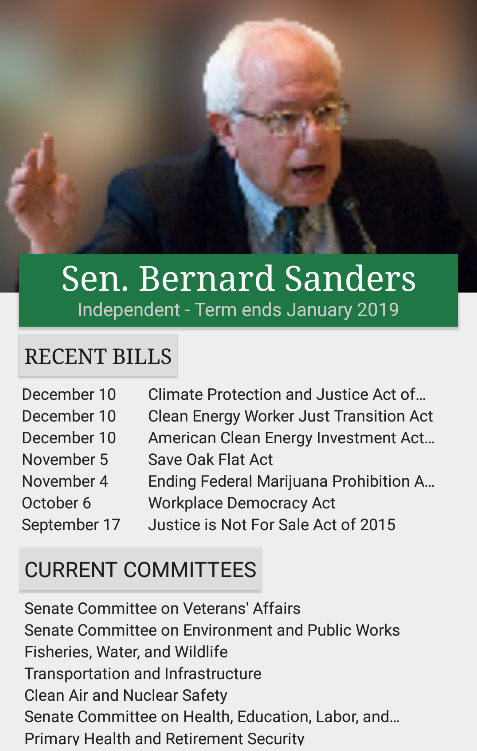
Iteration

(original wireframe)

I decided to go with larger images to take advantage of modern smartphones’ high resolution screens. I also added a colored title bar to each item in lieu of the party icon. The icon seemed out of place, perhaps implying that party is the most important part of a representative, which I dislike.

The first iteration of the watch representative was bare bones and had forgone images. This made it simple, but not very exciting in isolation from the smartphone app. This iteration uses images for a more visually engaging experience. It lays out the state, district, and party in a nice grid. This grid adapts to the chamber of the current representative, since Senators have no district.

Representative View





Presentation

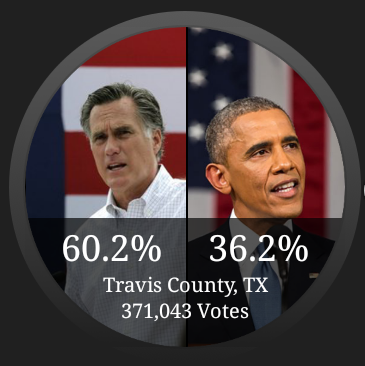
Large cover images were used to give a more visually engaging entry point to what is essentially a bio and list of congressional actions. The color of the title bar adapts to the party of the representative, which helps to communicate the party without requiring that the viewer read the text. The Recent Bills and Current Committees are laid out in line with the title banner, which gives the layout nice structure. The titles are outlined with a box and capitalized to communicate information hierarchy. It may be that the gray color of the box decreases the emphasis of the titles by lessening contrast, but the value of the box as a visual cue remains effective.

Iteration

(original wireframe)

In comparison to my original iteration, I decided to add a bit of colored accent to the design. I also changed the layout of the body text to give a better information hierarchy and guide the viewer a bit. I think this could still be greatly improved upon by making the content user-navigable, but the current iteration is an improvement.

Election View



Presentation

To me it seems like the circular screen of the Moto 360 frames grid orientations very well. The contrast of shapes makes for modern and interesting layout elements. This was my first iteration on the design, and I liked it enough to keep it. On the next try, I would try splitting the votes between the two sides or adding to make it “Total Votes” rather than the ambiguous text there now. The interface should also have some indication of what content is being presented, which is currently absent.