Step 6: Design choices

- As the datasets include countries from around the world, my first idea was to make an interactive datamap. On hovering over a country, the tooltip that appears shows the data for life satisfaction. The dataset only contains data of 29 countries, to make clear which countries these are I decided to colour them differently. The tooltip also states no data when hovering over a country for which no data obtained.
- On click on a country on the datamap that contains data on life satisfaction, the second graph, a barchart, is updated to display the values belonging to that country for how time is used.
- As it might be a bit difficult to read the values from the bar charts y-axis, a tooltip was added to display the values.
- When loading the website, the default barchart shows the data for the USA. So even before any country is clicked, the webpage already displays two graphs. This was done to make the page visually more appealing, two graphs look a lot more impressive than one.
- I decided to place the two graphs next to each other, so the user does not have to scroll down the webpage to find the second graph. Again, this was done to make the page more appealing. By just glancing at the webpage the user will see two graphs.
- Because it might be a bit unclear what is included in each of the 5 time use categories, I made a dropdown accordion using Bootstrap that on click, informs the user which exact activities are included in the 5 categories.
- All the text explaining the graphs is placed in an alert to make it more noticeable and highlight the importance. Also, it looks more appealing, if it would just have been small sized text on a white background the user probably wouldn't bother reading it. The alert is used to draw attention and stimulate the user to also read the text accompanying the graphs.