**Title of project**

* Sports Data by Location

**Team Members**

* Alexander
* Pavel
* Barry

**Overview of Project (concept)**

* Use Case: search for sports teams stats by location
* On page load display google maps div on DOM with pins for all major cities with pro sports teams (football or soccer)
* As user clicks pin for city/team
  + 🡪 displays data from API that feeds Map (external library map)
  + 🡪 displays data in table from sports API
* Stretch Goals:
  + Hover/Modal displays various data/objects when user hovers over pin
    - Team logo/Team name/Team website
    - current record/schedule/scores/stats/charts
    - Chart/data visualization API to display team data
  + Social media sharing options
  + William Hill API for integrating betting/odds data
  + Additional sports – buttons to allow user to select different sports
  + Recent news items for selected team
  + 3rd section that allows users to search by player name and display individual stats

**Sketch of project**

- see req doc <https://drive.google.com/file/d/1WelXqiDVnuYCH3et7MOhD_QIr2pYbmSF/view?usp=sharing>

**APIs used**

* geolocation
  + google geolocation <https://developers.google.com/maps/documentation/javascript/examples/>
* sports stats data
  + the sports db 🡪 <http://www.thesportsdb.com/api.php>
  + backup?
* (backups: sports news, trending sports tweets, sports schedule)
  + bleacher report api <https://newsapi.org/s/bleacher-report-api>
  + twitter api <https://developer.twitter.com/en/docs>
  + NYTimes api <https://developer.nytimes.com/>
  + William Hill <https://developer.williamhill.com/v1/api>

**Additional Library Used:**

* Maps:
  + maplace.js 🡪 maplacejs.com
  + gmaps.js 🡪 <https://hpneo.github.io/gmaps/documentation.html>
  + map box 🡪 <https://www.mapbox.com/mapbox-gl-js/api/>
  + open street map 🡪 <http://wiki.openstreetmap.org/wiki/API_v0.6>
* Data Visualization:
  + chart.js 🡪 <http://www.chartjs.org/docs/latest/charts/line.html>
  + D3.js 🡪 <https://d3js.org/>

**timeline/schedule of deliverables**

* 12/16/17 – 01/09/18
* Week 1 (deadline Dec. 21):
  + Identify APIs & libraries
  + Complete project documentation / timelines / design sketches
  + Set up GitHub repo (private) and fork
  + Communication channels (slack channel, github/gitlab, google docs, Atom editor, etc)
  + Pseudo code entire project
  + Project plan – divide responsibilities
  + Build basic HTML, styling (bootstrap grid), divs, containers, etc
* Week 2 (deadline Jan. 4):
  + Front-end:
    - Integrate Bootswatch theme (another external library)
    - Add divs/containers where necessary
    - jQuery table
    - Styling dynamic js elements
  + Back-end:
    - Set up firebase
    - Test/validate APIs via AJAX call to ensure can use
    - API via AJAX calls – display map in DOM
    - Click events for user interaction
* Week 3 (deadline Jan. 9):
  + Reconcile & team up (front & back end integration)
  + Polish final UI
  + Testing/debugging
  + Stretch goals:
    - Display sports data in hover/modal within DOM
    - Data visualization through external libraries (chart.js)
    - Social media
    - Additional sports/types of stats
    - Individual Player stats section