Project 2

Group 4: Casandra Gormsen, Elie Kingsley, Geoffrey Flynn, Kaitlyn Radke

# Topic: word etymology

## Basic idea:

1. Create a web page that will allow the user to enter a word;
   1. the web page will present the word and its
   2. etymology including origins,
   3. related words,
   4. pronunciation

### API

Merriam-Webster API https://dictionaryapi.com/products/api-collegiate-dictionary

DATA FEATURES AVAILABLE IN THIS REFERENCE

* Definitions
* Examples
* Etymologies
* Synonym and Usage paragraphs
* Pronunciation symbols
* Audio pronunciations
* Illustrations
* Spelling suggestions

## Visuals:

D3 bubble chart (size based off frequency of location)

D3.Swarm plot of words location and time

Timeline of the first instants of the word.

### Databases

List of the words (added to as the user enters words; initialize with (500 random words?)

List of languages/location

## Inspirations

Chart, bubble chart

Description automatically generated

Chart, scatter chart

Description automatically generated

Chart

Description automatically generated