

# TEAM RAINBOW UNICORN

# BARF

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## *Just Another Gosh Darn Search Engine*

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### What is this monstrosity?

“Just Another Gosh Darn Search Engine” (JAGDSE for short) is a search engine powered by the best search algorithms available. Instead of only using Google to search, JAGDSE uses many leading search engines such as YouTube or Tastedive that specialize in certain fields, such as videos and recommendations.

### Components

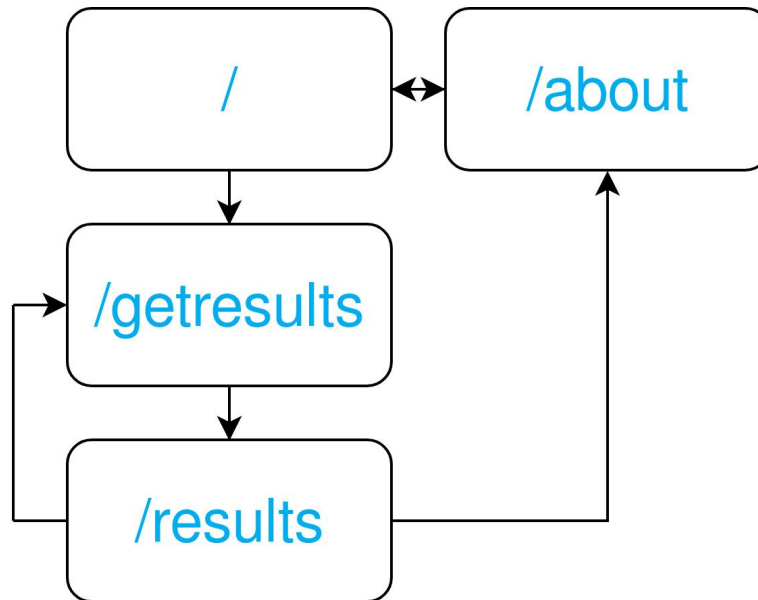
- APIs
  - Tastedive API
    - Provides recommendations to users based on certain media preferences (Books, TV Shows, Games, Authors, Movies, etc.)
    - RESTful API, returns JSON data
  - Google Custom Search API
    - Provides use of Google’s search indexing algorithm to find websites based on a user’s input
    - Can search websites, images, and other types of media using Google’s sorting methods
    - Can customize the look and feel of the search results
    - Will only be getting web results.
  - Youtube API
    - Provides access to Youtube’s database of video content
    - Can play youtube videos outside the youtube website/app
    - Will only be getting video titles / descriptions / url.
  - News API
    - Provides information on thousands of headlines based on publication or article title

- Framework
  - Bootstrap
    - Has nice documentation
    - Themes are kinda cool
  - Fontawesome Icons
    - Replacement for glyphsicons since glyphsicons is removed in BS 4.0

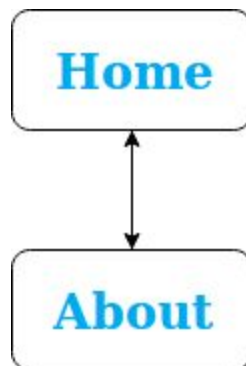
## Templates

- frame.html
  - Base for all of the other templates.
  - Keeps the navbar and footer consistent
- home.html
  - Homepage.
  - Contains the search input, search query location, and search button.
  - Displays results underneath the search div. Extends from home.html.
    - resultstaste.html
      - Displays results from Tastedive
    - resultsweb.html
      - Displays results from Google Web Search
    - resultsyt.html
      - Displays results from YouTube
    - resultsnews.html
      - Displays results from News
- about.html
  - Displays a short "about this site" section
  - Explains how to use the site

### Site Map (Routes)



### Site Map (Pages)



# Work Delegation

Khinshan:

- Frontend
  - Bootstrap consistency checker
  - Keeps everything fancy with customized CSS

Kyle:

- Project Manager
  - Makes sure the team is where it needs to be
  - Maintains the design doc
  - Makes sure everything in the project frontend/backend links nicely
- Miscellaneous:
  - Bug fixes
  - Working around issues
  - Contributes to every area

William:

- API manager
  - Maintains keys
  - Keeps track of quotas
  - Incorporate APIs into the application

Yuqi:

- Backend
  - Routing (assisted by team)
  - Function writing