
Exercise. Free topic for the 2nd practical assignment 2

Create simple website, that retrieves some data from API service. For example, a list of (free) APIs is available on <https://apist.fun/>. But basically, you may use whatever API you prefer.

Your website could, for example, retrieve some data and display it. It may be a single piece of information or list of something. Next picture illustrates retrieving of random cocktail recipe using API service available on <https://www.thecocktaildb.com/api/json/v1/1/random.php>. When web page is opened, a random cocktail recipe is retrieved when component loads and rendered on UI.

Cocktail of the day

Alaska Cocktail

Glass

Cocktail glass

Instructions

Stir all ingredients with ice, strain contents into a cocktail glass. Drop in a twist of lemon and serve.

- Orange bitters 2 dashes
- Gin 1 1/2 oz
- Yellow Chartreuse 3/4 oz
- Lemon peel Twist of

As additional feature, your app can do search, calculate, or perform some other functionality. For example, a simple search for this example cocktail web site is implemented using API available on https://www.thecocktaildb.com/api/json/v1/1/search.php?s=search_phrase. Also, a form and state variable, as well as, function performing the search is added.

Cocktail of the day

Long isl

Long Island Tea

Glass

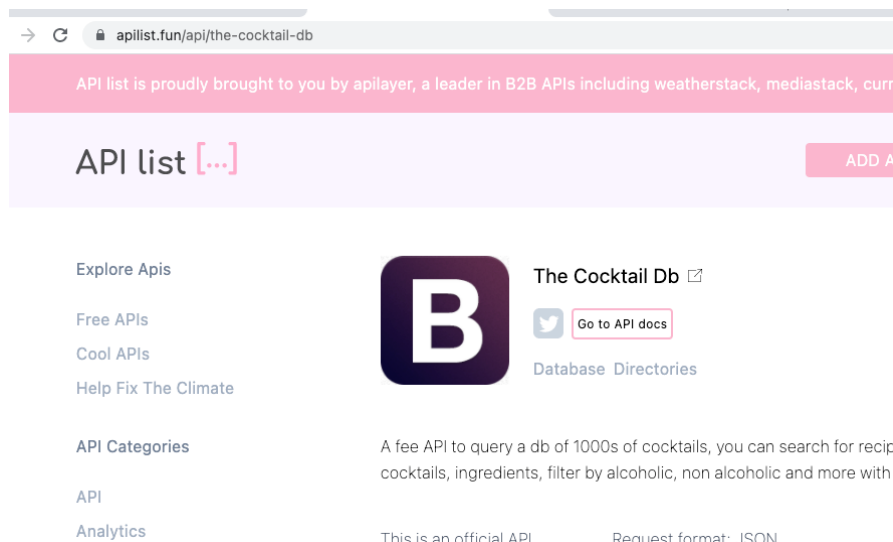
Highball glass

Instructions

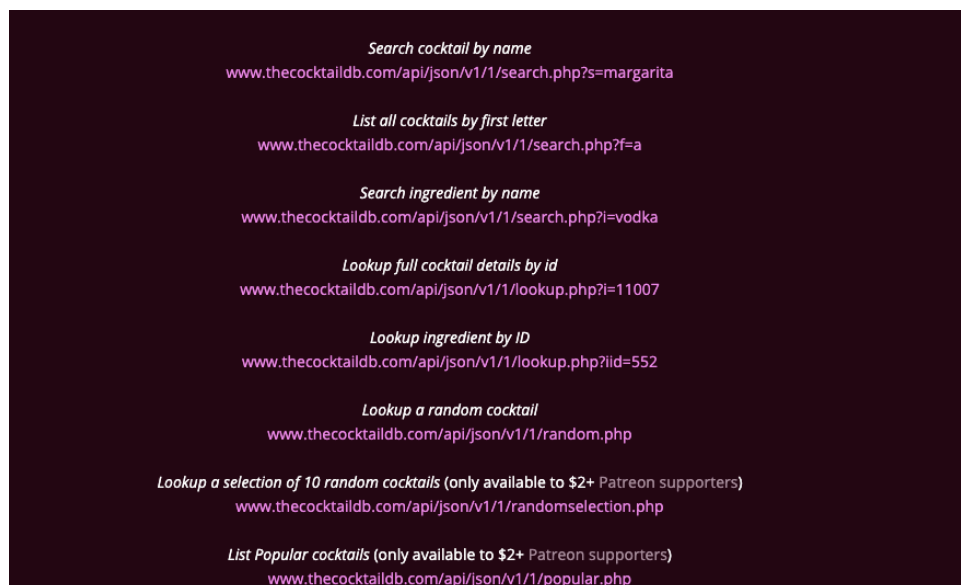
Combine all ingredients (except cola) and pour over ice in a highball glass. Add the splash of cola for color. Decorate with a slice of lemon and serve.

- Vodka 1/2 oz
- Light rum 1/2 oz
- Gin 1/2 oz
- Tequila 1/2 oz
- Lemon Juice of 1/2
- Coca-Cola 1 splash

While searching for the suitable API for your website, check out API docs. If using apilist.fun website, all APIs listed have Go to API Docs button.

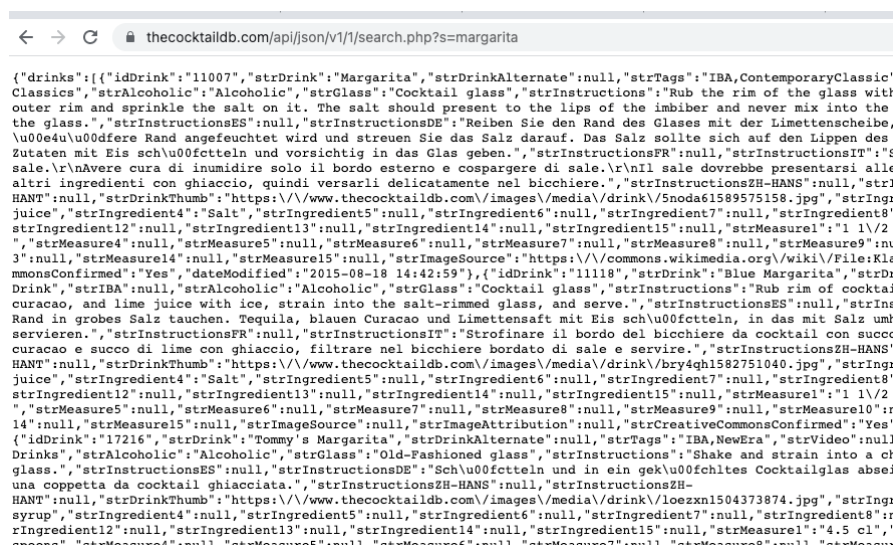


API documentation should have all necessary information (and if not move on). For example, this example API does not need any registration or creation of API key for making basic API calls (but some require that you have joined to Patreon supports, so they are not available without registration and possible payment).



Some API services maybe free, but you need to do the registration and use API key when calling a service. For this exercise, use only free API services, which do not require use of credit card. Remember also, when uploading your code to the git service, that you do **NOT** include your API key (so basically erase that from you code before committing your code).

Make **ABSOLUTELY** sure, that API works, before starting to make a website. You may test out, how API works, just by calling it using web browser. For example, here url <https://www.thecocktaildb.com/api/json/v1/1/search.php?s=margarita> is used to test out, that necessary information is returned as JSON and there are no errors.



Evaluation is as follows.

- Web site displaying data retrieved from API service 15 p.
- Web site has some extra functionality (e.g. search, calculation or other functionality) 5 p.
- If you have errors or bugs in your code, some points according to the severity of the error or bug are deducted.

Total 20 p.