

# Package ‘cocktailApp’

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**Version** 0.1.0

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**License** LGPL-3

**Title** 'shiny' App to Discover Cocktails

**BugReports** <https://github.com/shabbychef/cocktailApp/issues>

**Description** A 'shiny' app to discover cocktails. The app allows one to search for cocktails by ingredient, filter on rating, and number of ingredients. The package also contains data with the ingredients of nearly 16 thousand cocktails scraped from the web.

**Depends** R (>= 3.0.2), shiny

**Imports** shinythemes, dplyr, tidyr, tibble, ggplot2, magrittr, ggtern, forcats, DT

**Suggests** testthat

**URL** <https://github.com/shabbychef/cocktailApp>

**Collate** 'cocktailApp.r'

**RoxygenNote** 6.0.1

**NeedsCompilation** no

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**Repository** CRAN

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cocktailApp-package     *Shiny app to discover cocktails.*

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**Description**

Shiny app to discover cocktails.

**Legal Mumbo Jumbo**

cocktailApp is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

**Note**

This package is maintained as a hobby.

**Author(s)**

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cocktailApp             *cocktailApp .*

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**Description**

A shiny app to explore cocktails. The app allows you to enter ingredients that a cocktail must have, or ingredients that it must not have. One can filter by number of ingredients, minimum rating, minimum 't stat' (computed as the rating minus the T stat zero all multiplied by the square root of the number of ratings). One can also search for cocktail by regex.

In the main tab, titled "drinks", one can find a table with the summaries of matching cocktails. Selecting rows of this table will cause the cocktail table below to be populated with more details on each selected cocktail. Selecting rows will also populate the bar chart in the "plots" tab.

If two or more ingredients are selected, drinks with non-zero quantities of both of these will be shown in a ternary plot in the "tern" tab.

In the "other" tab is a table with common co-ingredients of the selected ingredients. A co-ingredient is an ingredient that commonly occurs with the selected ingredient, as measured by the number of cocktails, and by 'rho', which is like a correlation based on the proportion.

**Usage**

```
cocktailApp(page_title = "Drink Schnauzer")
```

## Arguments

`page_title` an optional page title for the app. A NULL value causes no page title to be used.

## Value

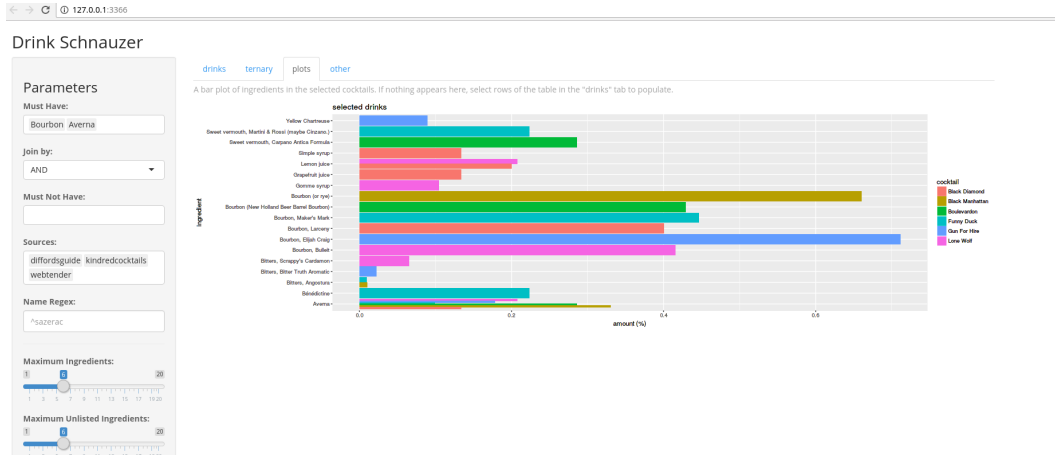
Runs the shiny app.

## Screenshots

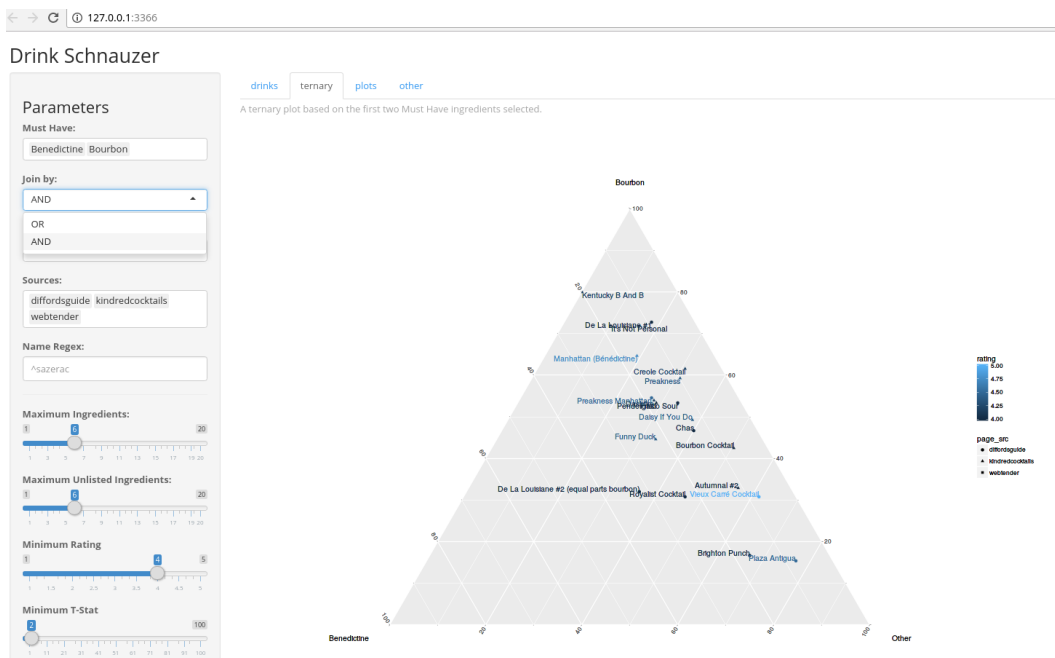
The main page looks as follows. In this case the user has selected two ingredients, ‘Benedictine’ and ‘cognac’. This populates the main table on the right. The user then selected three rows of this table, which causes the ingredients table on the lower right to be populated with the recipes of the selected cocktails. Instead one could click on the linked cocktail names to be taken to the upstream source of the recipe, which is recommended since those pages typically have better instructions.

The screenshot shows the 'Drink Schnauzer' application interface. On the left, the 'Parameters' section includes filters for 'Must Have' (Benedictine, Cognac), 'Join by' (OR), 'Must Not Have', 'Sources' (kindrecocktails), 'Name Regex' (psizerac), and sliders for 'Maximum Ingredients' (set to 20), 'Maximum Unlisted Ingredients' (set to 20), 'Minimum Rating' (set to 10), 'Minimum T-Stat' (set to 100), and 'T-Stat Zero' (set to 10). The main table displays a list of cocktails with columns for rating, tstat, cocktail name, and description. Three rows are highlighted in blue: 'Vieux Carré', 'Sidelcar', and 'Manhattan (Bénédictine)'. The 'Ingredients Table' at the bottom right shows a detailed list of ingredients for the selected cocktails, including cocktail name, amount, unit, and ingredient name.

In the following screenshot, the user has selected two ingredients, ‘bourbon’ and ‘Averna’, then clicked on the the main table, then selected the ‘plots’ tab. This shows a bar plot of the proportions of all ingredients in all the selected cocktails.



In this screenshot, the user has selected two ingredients, 'Benedictine' and 'bourbon', then clicked on the 'ternary' tab, which shows a ternary plot of the proportions of cocktails with non-zero proportions of the first two selected ingredients. The third dimension of the ternary plot is 'other' ingredients.



**Author(s)**

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**Examples**

## Not run:  
cocktailApp()

```
## End(Not run)
```

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cocktailApp-NEWS	<i>News for package 'cocktailApp':</i>
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### Description

News for package 'cocktailApp'

#### **cocktailApp Initial Version 0.1.0 (2018-07-02)**

- first CRAN release.

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cocktails	<i>Cocktails Data</i>
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### Description

Ingredients of nearly 16 thousand cocktails, scraped from the web.

### Usage

```
cocktails
```

### Format

A data.frame object with around 77,000 rows and 12 columns. The data were scraped from three websites: Difford's guide, Webtender, and Kindred Cocktails, in late 2017.

The columns are defined as follows:

`amt` The numeric amount of the ingredient.

`unit` The unit corresponding to the amount. The most common entry is `fl oz`, which is the unit for 'main' ingredients. The second most common entry is `garnish`. These two units account for over 95 percent of the rows of the data.

`ingredient` The name of the ingredient. These may have odd qualifiers, or brand specifications. Some of these qualifications are stripped out in the `short_ingredient` field.

`cocktail` The name of the cocktail.

`rating` The rating assigned to the cocktail in the upstream database. For some sources, the ratings have been rescaled. Ratings are on a scale of 0 to 5.

`upstream_id` An ID code from the upstream source.

`url` The upstream URL.

`votes` The number of votes in the rating, from the upstream database. Not always available.

`added` The date the cocktail was added to the upstream database. Not always available.

- `src` The source of the cocktail, as listed in the upstream database. Usually not available.
- `short_ingredient` A shortened form of the ingredient, stripping away some of the qualifiers. This is subject to change in future releases of this package, when a better term extraction solution is found.
- `proportion` For ingredients where the unit is fl oz, this is the proportion of the given cocktail that consists of the given ingredient. For a given cocktail, the proportions should sum to one.

### Note

The data were scraped from several websites, which falls in a legal gray area. While, in general, raw factual data can not be copyright, there is a difference between the law and a lawsuit. The package author in no way claims any copyright on this data.

### Source

Difford's Guide, <http://www.diffordsguide.com/>, Webtender, <http://www.webtender.com>, Kindred Cocktails, <http://kindredcocktails.com>.

### Examples

```
data(cocktails)
str(cocktails)

require(dplyr)
cocktails %>%
  filter(short_ingredient %in% c('Averna', 'Bourbon')) %>%
  group_by(cocktail, url) %>%
  mutate(isok=n() > 1) %>%
  ungroup() %>%
  filter(isok) %>%
  arrange(desc(rating), cocktail) %>%
  select(cocktail, ingredient, amt, unit, rating) %>%
  head(n=8)
```

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