

BarTinder



App developed by:
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Overview

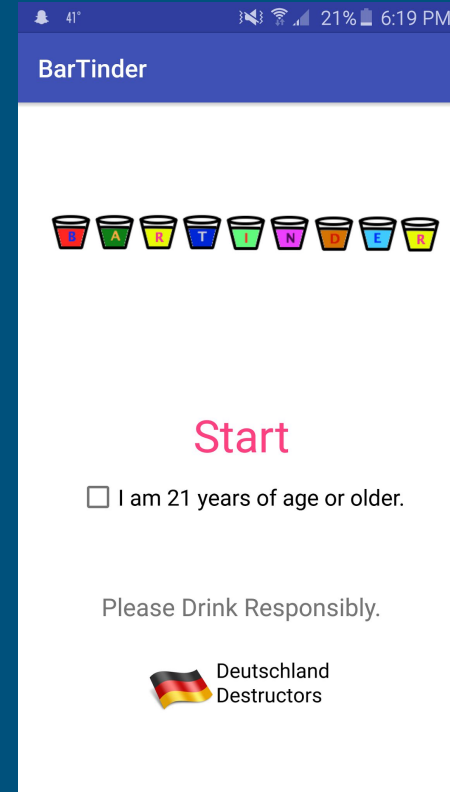
BarTinder is an easy and fast way for somebody hosting a party to figure out various types of alcoholic drinks that can be made with the provided ingredients. The user selects alcohol and mixers available to them via an Alcohol checklist and Mixers checklist. With one push of the “Mix It Up!” button, the user is brought to another screen displaying the possible drinks that can be made! BarTinder will also suggest drinks that can be made as long as one ingredient is available, so the user is informed of the needed ingredients to make specific drinks.

BarTinder hopes to make planning a party easier and organized, so as to avoid complications of having too much of one ingredient or not having enough.



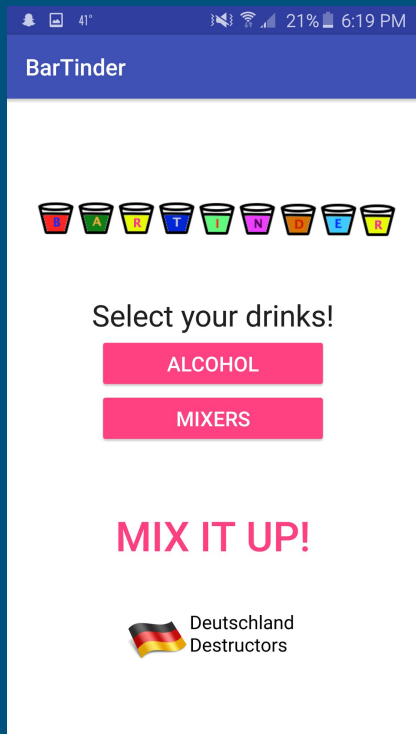
Home Page


- The home page offers several features:
- ◆ Confirming the user is of legal age (according to United States law) to consume alcohol
 - ◆ Accrediting the developers with the display of the team name at the bottom
 - ◆ A simple logo to make the home screen visually appealing



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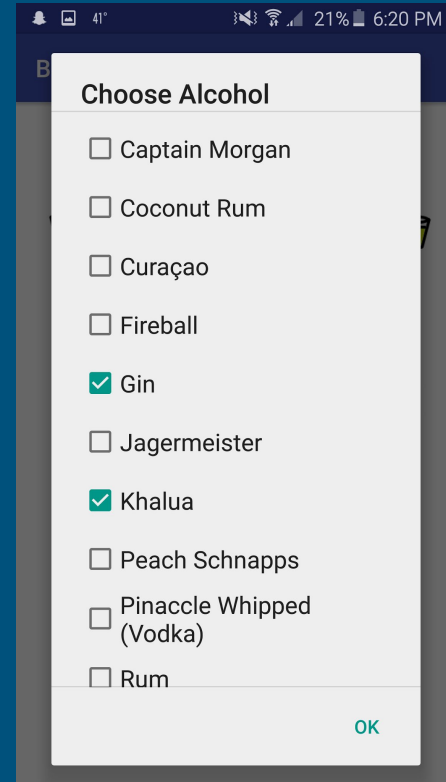
Selection Screen



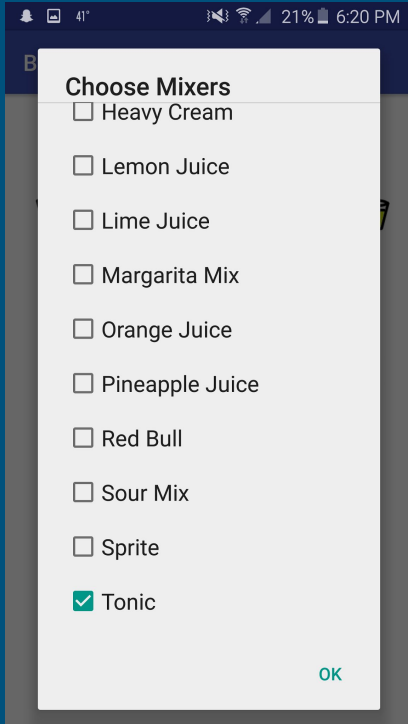
- The selection screen has three buttons:
- ◆ **Alcohol:** directs the user to a dialog box with a checklist of pre-determined alcohol
 - ◆ **Mixers:** directs the user to a dialog box with a checklist of pre-determined non-alcoholic drinks
 - ◆ **Mix it up!:** directs the user to a different screen with a list of possible drinks given the  *Deutschland Destructors* of alcohol and mixers

Sub-selection: Alcohol

- The Alcohol dialog box provides a list of alcoholic beverages:
- ◆ It allows the user to select and deselect types of alcohol by scrolling through the list.
 - ◆ It allows the user to select multiple types of alcohol at once.
 - ◆ The user then selects “OK” at the bottom of the page causing a “toast” to appear showing the user's selections.



Sub-selection: Mixers



→ The Mixers dialog box provides a list of non-alcoholic beverages:

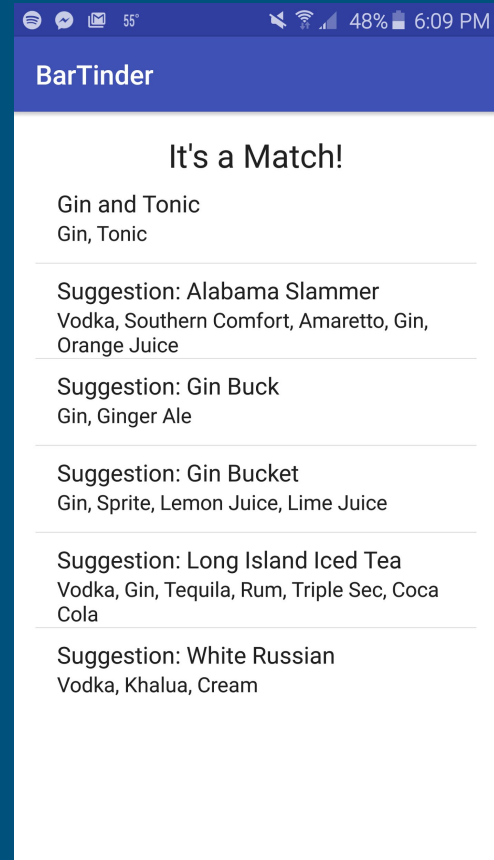
- ◆ It allows the user to select and deselect mixers by scrolling through the list.
- ◆ It allows the user to select multiple mixers at once.
- ◆ The user then selects “OK” at the bottom of the page causing a “toast” to appear showing the user's selections.



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Mix It Up! Button

- Once the user is finished selecting alcohol and mixers, they hit the “Mix It Up!” button
- The list of drinks output to the user includes the recipe of each drink underneath the name of the drink
- Suggested drinks are also listed if one ingredient in said drink is fulfilled



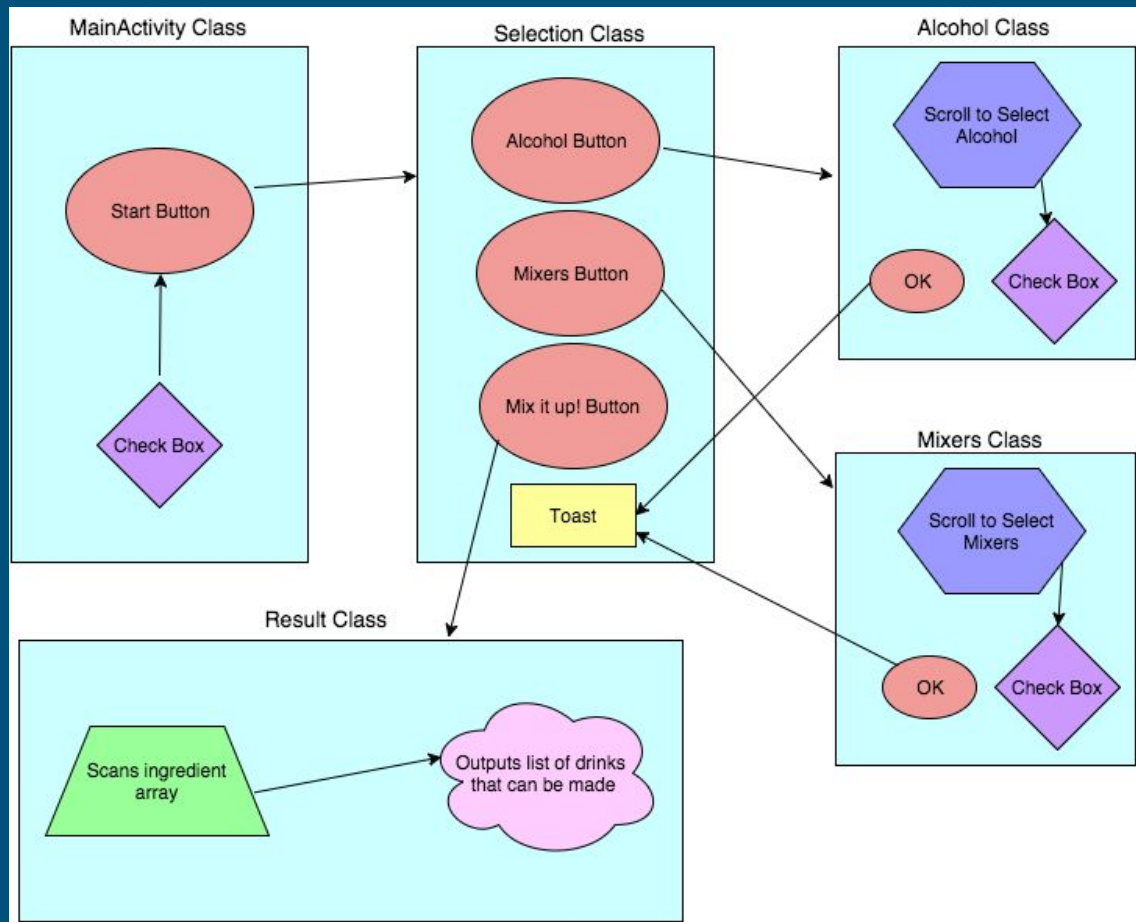
Output

The output of BarTinder includes a list of creatively named drinks, directly followed by a recipe for how to make the drink underneath the name. The output is generated by looping through the alcohol and mixers checked off by the user, and comparing that list with the ingredients needed to create each drink. If an ingredient to create a drink is available, BarTinder will output that drink with the corresponding recipe. The list of available ingredients does not need to satisfy all ingredients needed to create a drink, rather just one, so the user can see what else they need to make a certain drink.



Class Diagram

The MainActivity class communicates with the Selection class once the “Start” button is clicked. This will only happen once the check box confirming legal drinking age is checked. If this box is not checked, the user will receive a temporary message saying to confirm legal drinking age before continuing. Once in the Selection class, the Alcohol class will be accessed once the “Alcohol” button is clicked, and the same goes for the Mixers class. Within each of the previously mentioned classes is a checklist the user can scroll through and check boxed next to each item. Once “OK” is hit in each class, the list of checked items is stored and a “toast” display appears with the selected items. The Result class communicates with the Selection class to confirm the “Mix It Up!” button was hit and then takes the user to the output screen. The Result class also “talks” to the Alcohol and Mixers classes to collect the list of drinks the user selected. Once the Result class has collected this information, it runs through and outputs all drinks with at least one ingredient selected by the user.



How to use BarTinder

Steps for a successful use:

1. Check the box confirming you are of legal age to drink
2. Click "Start"
3. Click "Alcohol" which takes you to a checklist of alcohol
4. Check off your available alcohol and click "OK." The dialog box closes and a toast of your selection appears.
5. Repeat steps 3 and 4 for "Mixers"
6. Lastly, click "Mix It Up!" where you will be redirected to the recipe page
7. Happily view your assorted lists of creatively named drinks with recipes included
8. Enjoy and Verantwortungsvoll Trinken! (drink responsibly)



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(Thank you and download please)



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Party on!
(responsibly)

