

# Liftoff Recipe Tracker

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@Liftoff-Spring-2021



# Description

The Liftoff Recipe Tracker is an application to create and maintain your personal recipes. As a user of the Liftoff Recipe Tracker, you can add unique recipes, beverages, and categories to track your recipes. You can also view and copy recipes other users of the application have added.



# Features

- Create, view and edit your recipes in one place.
- Find recipes by name, category, description, or suggested beverage.
- Tag your favorite recipes for quick reference.
- View and copy recipes by other users.
- Delete one or more of your recipes simultaneously.
- Copy a recipe to customize it and make it your own!
- User registration with required Log-in



# Planning - User Stories

- Motivated by an appreciation for food and the need to have a simple way to find and store recipes.
- Users can create, view, and edit recipes, assign categories, and include suggestions for beverages.
- Recipes can be searched by category, name, description, or even beverage.
- Recipes can be tagged as favorites and copied to personalize.



# Planning - Database

- Data is stored in tables for User, Recipe, Category, and Beverage.
- User has a One to Many relationship with Recipe, Beverage, and Category tables.
- A Many to Many relationship exist between Recipe and Category.
- Recipe and Beverage also share a Many to Many relationship.

*Both Many to Many relationships utilize separate join tables.*



# Technology Stack

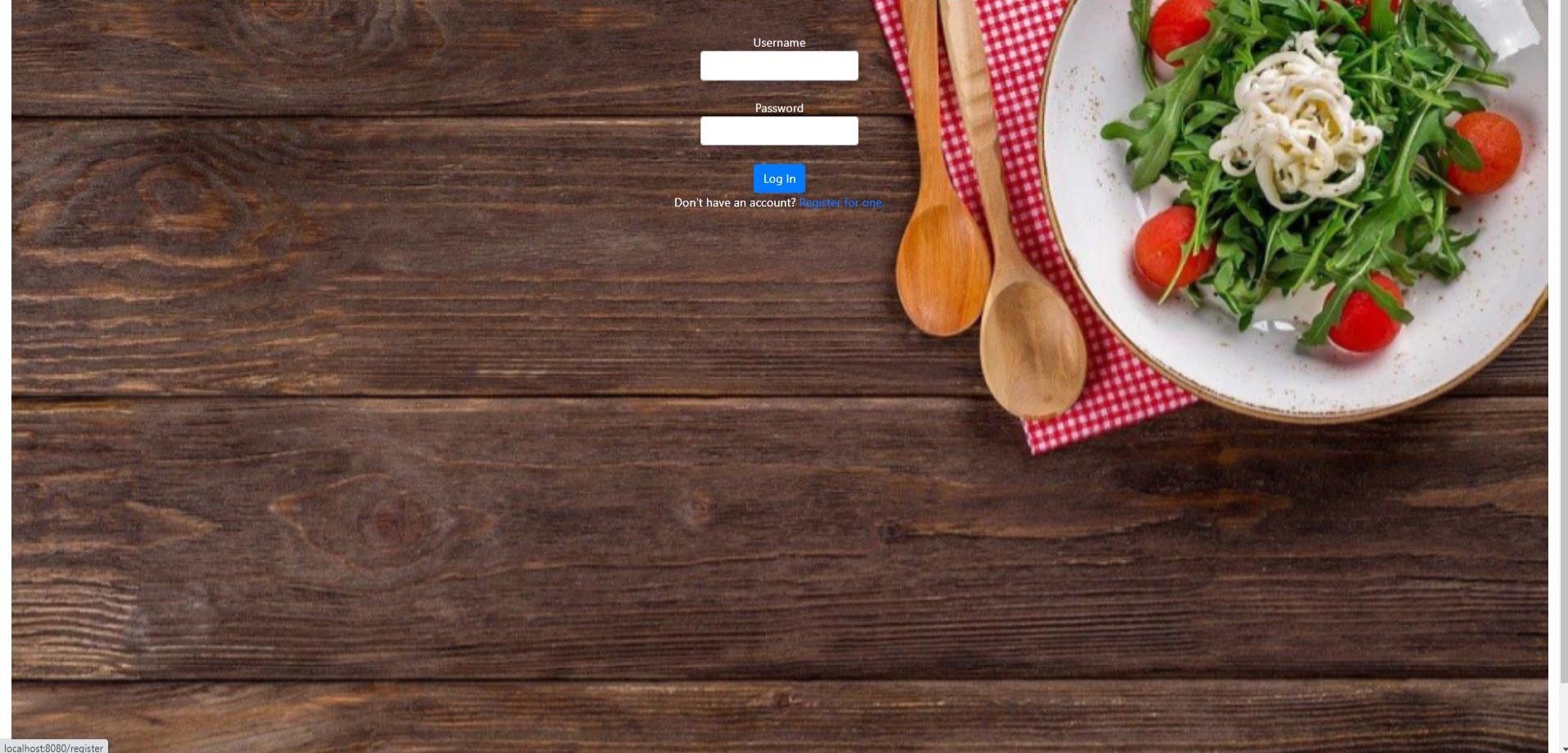
- Language - Java
- Framework - Spring Boot, Hibernate
- Template engine - Thymeleaf
- Database engine - MySQL
- Other libraries or components - Bootstrap, HTML, CSS

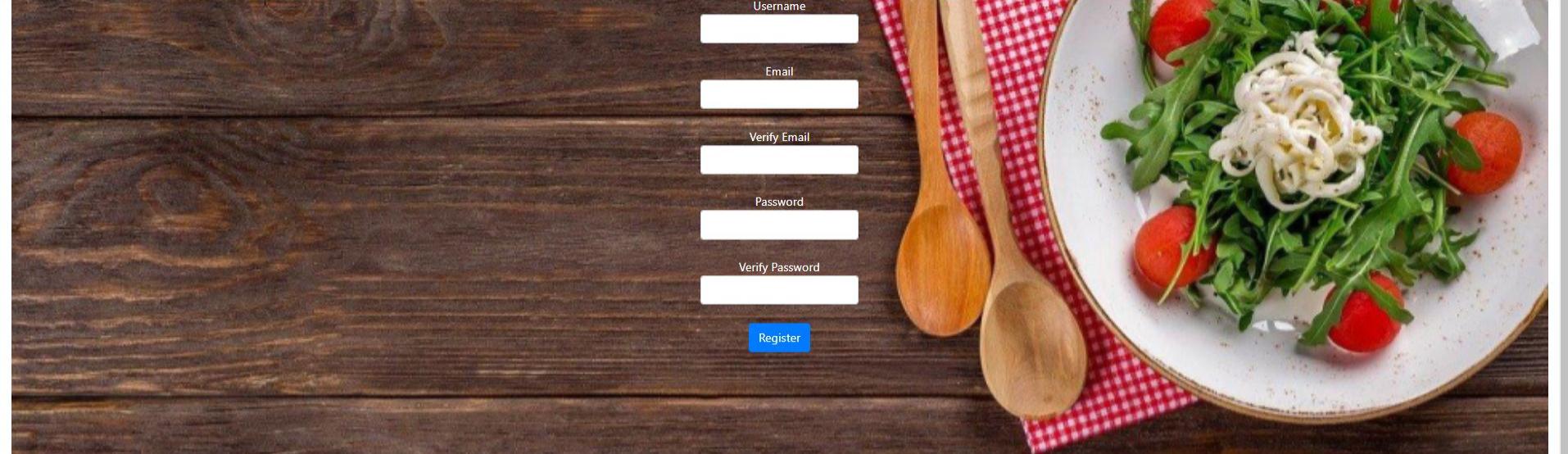


# Demo

*“Hey y’all, watch this!”*







[View All](#)  
[Create a Recipe](#)  
[Delete a Recipe](#)

# Liftoff Recipe Tracker

Your personal recipe book

Welcome LiftOff Lisa!

#### Your Favorite Recipes

Monster Cookies

Tortellini Alfredo

Nestle Original Toll House Cookies



#### Searchable

Find recipes by name, description, category, or suggested beverage.

#### Favorites

Tag your favorite recipes for quick reference.

#### Customize

Copy a recipe to customize it and make it your own!

#### Upcoming Features

Search by user or pantry items

Generate a recipe shopping list

Scale number of servings for a recipe



Recipe Name: Ceasar Salad

Description: classic and the ingredients are simple

Servings: 2

Ingredients: 1 large or 2 small heads of romaine lettuce

Directions: pepper, or to taste. In a large mixing

Prep Time (in minutes): 10

Cook Time (in minutes): 0

Image URL: <https://natashaskitchen.co>

Favorite: Off

Categories:

- Entree
- Appetizer
- Breakfast
- Dessert
- Side
- Italian
- Mexican

Beverages:

- Red Wine
- Diet Coke
- Milk
- 7Up
- White Wine
- Rose Wine
- Beer
- Orange Juice

**Create Recipe**

### Recipe Name

### Recipe Description

**Favorite** Monster Cookies

Flourless peanut butter cookies with oats, chocolate chips, and M&Ms. This easy monster cookie recipe yields extra soft and thick cookies and you don't need to chill the cookie dough!

**Favorite** Fettuccine Alfredo

This homemade alfredo sauce is made with simple ingredients — butter, parmesan cheese, garlic, heavy cream, and salt. It's a 5-ingredient alfredo sauce that is beyond easy!

Scrambled Eggs

Follow these simple steps and recipe on how to make the best scrambled eggs, which result in pillow-y, fluffy, creamy, flavorful eggs every time!

Spaghetti and Meatballs

Homemade sauce is the perfect accompaniment to the big garlicky meatballs.

**Favorite** Nestle Original Toll House Cookies

The chocolate chip cookie that started it all! NESTLÉ® TOLL HOUSE® original chocolate chip cookies are a true classic and the go-to cookie for all occasions!

Ground Beef Tacos

These Ground Beef Tacos are made with a deliciously seasoned ground beef filling, served in corn tortillas and finished with all the best toppings. They're likely to become a go-to weeknight dinner the whole family will enjoy and you'll love how easy they are to prepare!

Easy and Quick Homemade Pizza

Pizza from scratch in under an hour. Much better than the ones you buy! Use your favorite toppings.

No-Bake Cheesecake

No-Bake Cheesecake has just 6 ingredients and comes together in 10 minutes! It's a decadent and creamy dessert with a graham cracker crust and your choice of topping – without all the fuss.

Liftoff Recipe Tracker

localhost:8080/recipes/detail?recipelid=107

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Recipe Details: Nestle Original Toll House Cookies

Home Recipes Categories Beverages

Register Logout Search

Favorite

# Nestle Original Toll House Cookies

Created By: Liftoff Tea

**Description:**  
The chocolate chip cookie that started it all! NESTLÉ® TOLL HOUSE® original chocolate chip cookies are a true classic and the go-to cookie for all occasions!

**Recipe Prep Time:** 15 minutes  
**Recipe Cook Time:** 9 minutes  
**Recipe Servings:** 30

**Recipe Ingredients:**  
2 1/4 cups all-purpose flour 1 teaspoon baking soda 1 teaspoon salt 1 cup (2 sticks) butter, softened 3/4 cup granulated sugar 3/4 cup packed brown sugar 1 teaspoon vanilla extract 2 large eggs 2 cups (12-ounce package) NESTLÉ® TOLL HOUSE® Semi-Sweet Chocolate Morsels 1 cup c

**Recipe Directions:**  
Preheat oven to 375° F. Combine flour, baking soda and salt in small bowl. Beat butter, granulated sugar, brown sugar and vanilla extract in large mixer bowl until creamy. Add eggs, one at a time, beating well after each addition. Gradually beat in flour mixture. Stir in morsels and nuts. Drop by rounded tablespoon onto ungreased baking sheets. Bake for 9 to 11 minutes or until golden brown. Cool on baking sheets for 2 minutes; remove to wire racks to cool completely.

**Sommelier Suggestions:**  
Milk

**Recipe Image:**  


**Recipe Categories:**  
Dessert



## Recipe Name

Monster Cookies

## Description

Flourless peanut  
butter cookies with

## Servings

30

## Ingredients

1/2 cup (1 stick or  
115g) salted butter,

## Directions

Preheat oven to  
350°F (177°C). Line

## Prep Time (in minutes)

10

## Cook Time (in minutes)

20

## Image URL

<https://cdn.sallysbakingaddiction.com/2012/02/peanut-butter-cookies-1.jpg>Favorite 

## Categories:

- Entree
- Side
- Appetizer
- Italian
- Breakfast
- Mexican
- Dessert

## Beverages:

- Red Wine
- White Wine
- Diet Coke
- Rose Wine
- Milk
- Beer
- 7Up
- Orange Juice

Edit Recipe

- Monster Cookies
- Fettucine Alfredo
- Scrambled Eggs
- Spaghetti and Meatballs
- Nestle Original Toll House Cookies
- Ground Beef Tacos

[Delete](#)

Recipe Name: Monster Cookies

Description: Flourless peanut butter cookies with

Servings: 30

Ingredients: 1/2 cup (1 stick or 115g) salted butter,

Directions: Preheat oven to 350°F (177°C). Line

Prep Time (in minutes): 10

Cook Time (in minutes): 20

Image URL: <https://cdn.sallysbakingaddic...>

Favorite: On

Categories:

- Dinner
- Appetizer
- Breakfast
- Dessert
- Side
- Italian
- Mexican

Beverages:

- Red Wine
- Diet Coke
- Milk
- 7Up
- White Wine
- Rose Wine
- Beer
- Orange Juice

**Copy Recipe**



Google Slides x | Liftoff Recipe Tracker Project Pre... x | Liftoff Recipe Tracker x +

localhost:8080/categories/create

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Create Category Home Recipes Categories Beverages Register Logout Search

Category Name

Create





### Category Name

**Copy/Edit**

Entree

Action ▾

Edit

Copy

Side

Action ▾

Appetizer

Italian

Action ▾

Breakfast

Action ▾

Mexican

Action ▾

Dessert

Action ▾

Created for Liftoff

Category Name

Entree

Edit Category





■ Entree ■ Side ■ Appetizer ■ Italian ■ Breakfast ■ Mexican ■ Dessert

Delete

Category Name

Entree

Copy Category



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localhost:8080/beverages/create

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Create Beverage Home Recipes Categories Beverages Register Logout Search

Beverage Name

Beverage Description

Create Beverage



**Beverage Name****Copy/Edit**

Red Wine

Red wine tastes like a mixture of red grape juice, apple cider vinegar, fruit, and flowers.

Action ▾

White Wine

White wine tastes like white grape juice, apple juice, tropical fruit, pebbles, and oak wood.

Action ▾

Diet Coke

The real thing...without the calories

Action ▾

Rose Wine

Not red, not white

Action ▾

Milk

Does a body good, and is a satisfying complement to many recipes

Action ▾

Beer

Best served in a cold mug

Action ▾

7Up

Lemon-lime-flavored non-caffeinated soft drink

Action ▾

Orange Juice

It takes a little work, but it tastes much better than orange juice from concentrate.

Action ▾

Created for Liftoff

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localhost:8080/beverages/edit/94

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Edit Beverage: Red Wine Home Recipes Categories Beverages Register Logout Search

Beverage Name

Red Wine

Beverage Description

Red wine tastes like a  
mixture of red grape

Edit Beverage



■ Red Wine ■ White Wine ■ Diet Coke ■ Rose Wine ■ Milk ■ Beer ■ 7Up ■ Orange Juice

Delete



Beverage Name

Rose Wine

Beverage Description

Not red, not white

Copy Beverage



# What I/We Learned

- Everyone has an opinion, compromise helps progress
- Checkboxes are challenging!
- Implementing relationships
- Bootstrap grid system and responsive design
- Search and navigation/header and footer
- Fragments are not always a good idea
- Documentation is complicated, just take it slow



# What's Next

- Search by pantry items, user
- Generate a recipe shopping list
- Sorting and pagination of recipes
- Add a pantry feature
- Scale the number of servings
- Connect to a recipe API
- Add recipe sharing via social media
- Expand beverage to include more information
- Redesign as a RESTful service

