

```

package com.example.collegecooks;

import androidx.annotation.NonNull;

import java.util.ArrayList;

public class Recipe {

    private String name;
    private String duration;
    private ArrayList<Ingredient> ingredients;
    private String imageUrl;

    private String directions;
    /**
     * Default constructor (needed for firebase) sets the recipe name,
    duration,image url, and directions to empty strings and constructs a
     * new arraylist of ingredients
    */
    public Recipe() {
        name = "";
        duration = "";
        ingredients = new ArrayList<Ingredient>();
        imageUrl = "";
        directions = "";
    }
    /**
     *Parameter constructor - sets the recipe name, duration, directions,
    and url to user-given strings of those values
     * and a user-given arraylist of ingredients
     * @param recipeName is the user-given name of the recipe
     * @param time is the user-given duration
     * @param ingredients the the user-given arraylist of ingredients
     * @param steps is the user-given directions
     * @param url is the user-given url for the recipe image (removed due
    to programming issues)
    */
    public Recipe(String recipeName, String time, ArrayList<Ingredient>
    ingredients, String steps, String url) {
        name = recipeName;
        duration = time;
        this.ingredients = ingredients;
        directions = steps;
        imageUrl = url;
    }

    /**
     * Parameter constructor #2 - if the recipe does not have an image,
    use this constructor
     * @param recipeName is the user-given name of the recipe
     * @param time is the user-given duration
     * @param ingredients the the user-given arraylist of ingredients
     * @param steps is the user-given directions

```

```

        */
        public Recipe(String recipeName, String time, ArrayList<Ingredient>
ingredients, String steps){
            name = recipeName;
            duration = time;
            this.ingredients = ingredients;
            directions = steps;
        }

        /**
         * Returns the name of the recipe
         * @return will return the name of the recipe
         */
        public String getName() {
            return name;
        }

        /**
         * Returns the arrayList of the ingredients needed for the recipe
         * @return will return an ArrayList of the ingredients needed for the
recipe
        */
        public ArrayList<Ingredient> getIngredients() {
            return ingredients;
        }

        /**
         * Returns the duration of the recipe
         * @return will return the duration that the recipe will take
         */
        public String getDuration() {
            return duration;
        }

        /**
         * Returns a string of directions to make the recipe
         * @return will return the directions for the recipe
         */
        public String getDirections() {
            return directions;
        }

        /**
         * Returns the url of the image of the recipe (this feature is not
currently in use)
         * @return will return the url of the image
         */
        public String getImageUrl() {return imageUrl; }

        /**
         * Sets the name of the recipe to a user-given name (needed for
firebase)
         * @param recipeName is the user-given name of the recipe

```

```

    */
    public void setName(String recipeName)
    { name = recipeName;}

    /**
     * Sets the duration of the recipe to a user-given duration (needed
for firebase)
     * @param time is the user-given duration of the recipe
     */
    public void setDuration(String time) {duration =time;}

    /**
     * Sets the arrayList to a user-given arrayList of ingredients
(required for firebase)
     * @param ingredients is the user-given arrayList of ingredients
needed for the recipe
     */
    public void setIngredients(ArrayList<Ingredient> ingredients){
        this.ingredients = ingredients;
    }

    /**
     * Sets the url for the image of a recipe to a user-given url
(removed from current version) (Required for firebase)
     * @param url is the user-given url
     */
    public void setUrl(String url) { imageUrl = url;}

    /**
     * Sets the directions of the recipe to a user-given string of
directions
     * @param directions is the user-given directions of the recipe
     */
    public void setDirections(String directions) {this.directions =
directions;}
}

```