



# Cookify

*Your wish-Your dish*

---

Authour:

Ajaikanth Saravanan  
Bharath Prakash  
& Gokul Presumal



# CONTENTS

1. Introduction

2. Workflow and Code  
Explanation

3. Main Class  
(Cookify.java)

4. RecipeBase Class

5. MorningRecipes  
Class

6. AfternoonRecipes  
Class

7. EveningRecipes  
Class

8. NightRecipes Class

9. Benefits

10. Advantages



# 1. Introduction

## Overview

Cookify – Your wish, Your Dish.

“Pick your meal, scale for people, cook with ease.”



## 2.Code Flow chart:

1

Cookify.java: main class, handles start & menu.

2

User chooses time of day → calls respective recipe class.

3

Recipes displayed with scaled ingredients & steps.





### 3. Main Class ([Cookify.java](#))

#### Code

```
Scanner sc = new Scanner(System.in);  
System.out.println("Welcome to COOKIFY");  
System.out.println("Choose time of the day: 1.Morning 2.Afternoon 3.Evening  
4.Night");  
int choice = MorningRecipes.getInt(sc, "Enter choice: ");  
switch(choice)  
{  
    case 1 -> MorningRecipes.showMenu(sc);  
    case 2 -> AfternoonRecipes.showMenu(sc);  
    case 3 -> EveningRecipes.showMenu(sc);  
    case 4 -> NightRecipes.showMenu(sc);  
    default -> System.out.println("Invalid choice");  
}
```



# Explanation

1

Entry point of app.

2

Displays menu for meal selection.

3

Calls corresponding recipe class.



## 4. RecipeBase Class

### Code

```
class RecipeBase
{
    String name;
    String[] ingredients, steps;
    String youtubeLink;
    RecipeBase(String n,String[] ing,String[] st,String link){ ... }
    void displayRecipe(int people){ ... }
    private String scaleIngredient(String ing,int people){ ... }
}
```



## Explanation

1

Base class for all recipes.

2

Handles display & ingredient scaling.

3

Inherited by all recipe classes.







## 5. MorningRecipes Class

### Code

```
class MorningRecipes extends RecipeBase
```

```
{  
    MorningRecipes(String name,String[] ingredients,String[] steps,String link)
```

```
{  
    super(name,ingredients,steps,link);
```

```
}  
static int getInt(Scanner sc,String msg){ ... }
```

```
    static void showMenu(Scanner sc){ ... }  
}
```

# Explanation

- 1 Displays breakfast menu.
- 2 Creates recipe object & displays recipe for selected number of people.



## 6. AfternoonRecipes Class

### Code

```
class AfternoonRecipes extends RecipeBase
{
    AfternoonRecipes(String name,String[] ingredients,String[]
steps,String link)
{
    super(name,ingredients,steps,link);
}

    static int getInt(Scanner sc,String msg){ ... }
    static void showMenu(Scanner sc){ ... }
}
```





## Explanation

1

Displays lunch menu.

2

Example: Sambar Rice, Lemon Rice, Biryani.

3

Calls `displayRecipe()` for scaled ingredients.



## 7. EveningRecipes Class

### Code

```
class EveningRecipes extends RecipeBase
{
    EveningRecipes(String name,String[] ingredients,String[]
steps,String link)
{
    super(name,ingredients,steps,link);
}

    static int getInt(Scanner sc,String msg){ ... }
    static void showMenu(Scanner sc){ ... }
}
```



# Explanation

1

Displays evening snacks & beverages.

2

Example: Masala Tea, Pakoda, Sandwich.





## 8. NightRecipes Class

### Code

```
class NightRecipes extends RecipeBase
{
    NightRecipes(String name,String[] ingredients,String[] steps,String link)
{
    super(name,ingredients,steps,link);
}
    static int getInt(Scanner sc,String msg){ ... }    static void showMenu(Scanner sc){ ... }
}
```



## Explanation

1

Displays dinner menu.

2

Example: Chapati, Parotta, Paneer Curry.

3

Uses `displayRecipe()` for steps + ingredients.





## 9. Benefits

# Benefits of Cookify

Saves time by listing recipes for each meal.

Automatically scales ingredients.

Provides step-by-step instructions + YouTube link.

Interactive and easy to use.



## 10. Advantages

### Advantages of Cookify

- 1 Modular & reusable code (RecipeBase class).
- 2 Can easily add new recipes.
- 3 Works for multiple people.
- 4 Clear separation of menus by time of day.

A blue-tinted photograph of a snow-capped mountain peak against a clear blue sky. The mountain's surface is covered in snow and ice, with visible ridges and gullies. The text "Thank You" is centered in the middle of the image in a bold, dark blue font.

**Thank You**