

## Instructions

1. Randomly select three dinner recipes and one breakfast recipe at random. **Hint:** Use the `sample(...)` function.
2. Pull the image, ingredients, and instructions for each selected recipe.
3. Combine all of the ingredients into a grocery list on the first page.
4. Print the image, ingredients, and instructions for each recipe on the subsequent pages.

When you render this document, no code should be visible. Instead, you should see a five-page document as described above.

## 1 Ingredients

```
1 (meals = c(sample(dinner, 3, replace = F), sample(breakfasts, 1)))

[1] "website/KimchiGrilledCheese.html" "website/Lasagna.html"
[3] "website/SalmonChowder.html"      "website/BreakfastMuffins.html"
```

```

1 # I am going to create a general algorithm for n number of recipes because I want practice with this type of
2
3 library("rvest")
4
5 recipe.items = lapply(meals, read_html)
6
7 recipe = function(recipe.number){
8   ingredients.section = html_element(recipe.items[[recipe.number]], "#ingredients")
9   ingredients = html_elements(ingredients.section, "li")
10
11   instructions.section = html_element(recipe.items[[recipe.number]], "#instructions")
12   instructions = html_elements(instructions.section, "li")
13
14   image.element = html_element(recipe.items[[recipe.number]], ".img-fluid.figure-img")
15
16   src = html_attr(image.element, "src")
17   image.url = paste0("website/",src)
18
19   list(
20     ingredients = ingredients,
21     instructions = instructions,
22     image.url = image.url
23   )
24 }
25
26
27 r1 = recipe(1)

```

Figure 1: Kimchi Grilled Cheese



- 1/8 tsp chili flakes
- 4 garlic cloves
- 5 oz spinach
- 1 tsp gochujang
- 3 tsp mayonnaise

- 2/3 cup kimchi
  - 4 slices of bread
  - 2/3 cup cheddar cheese
  - 4 tablespoons everything seasoning.
1. In a frying pan, heat 2 tablespoons olive oil with chili flakes.
  2. Add spinach and cook until wilted.
  3. Mix gochujang and mayonnaise in a small bowl and spread on one side of each slice of bread. Sprinkle with everything seasoning and press it into the bread.
  4. Build sandwiches by layering spinach, kimchi, and cheese between two slices of bread.
  5. Fry in butter until golden brown on both sides.

## 2 Recipe One

### 3 Recipe Two

## 4 Recipe Three

## 5 Breakfast Recipe