Technical Documentation 1.0

**Modules:**

1. Shopping Manager
2. Error Module
3. Helpers

**Classes:**

1. Invoice
2. RecipeManager
3. SpoonacularApi
4. Logger
5. ExceptionsManager
6. Exceptions
7. ApiExceptions

**Functions:**

1. add\_items
2. get\_all\_recipes(ingredients)
3. get\_recipe(recipe\_id)
4. get\_ingredient(params)
5. project\_recipe\_data(data)
6. project\_ingredient\_details(data)
7. project\_recipe\_summary(data)
8. project\_ingredient\_data(data)
9. search\_recipies\_by\_ingredients(params)
10. get\_recipe\_details(params)
11. get\_ingredient\_details(params)
12. http\_request(url, method, body)
13. get\_error\_object()
14. generate\_exception()

**Tests Cases**

1. Enter symbols.
2. Enter large list of ingredients.
3. Enter spaces.
4. Enter numbers.
5. Menu option test
6. Ingredient list test
7. Estimated cost test
8. Wrong API key
9. Missing API key

**Units Tests**

1. test\_invoice
2. test\_recipe\_manager
3. test\_spoonacular\_apis