

To run the code, install the appropriate libraries for parsing html by running the code below in the Terminal:

```
STATIC_DEPS=true sudo pip install lxml  
pip install requests
```

To run the program:

1. In Terminal type "python main.py"
2. A GUI should pop up now
3. In the middle and top of the GUI, there should be an input box.
4. Copy and paste all recipes URL that you want to parse
5. Click "Submit Recipe URL" to parse the recipe and view the recipe in the GUI
6. The parsed recipe results should be shown in the GUI
7. You may have to scroll up and down on each textbox since some recipes will have many ingredients or directions
8. On the left side of the GUI there are various buttons to transform the recipe.
9. Pressing any of these will transform the recipe from the original to the specified transformation

To view the results of the parsed recipe or transformed recipes more specifically

1. Go to the folder "parsed-recipes" to view the results for the originally parsed recipe as well as the transformed recipes.
2. The original recipe is "recipe.json"
3. The transformed recipes will be labeled "recipe" and the type of the transformation following after.

To view our code:

1. Go to the folder called "recipe-parser"
2. In it, you'll see different python files as well as the autograder.py

main.py runs the GUI

parseRecipe.py contains the code functions for parsing a recipe URL into the recipe

transformation.py contains the code functions for transforming an already parsed recipe into the desired transformation

To view our knowledge base:

1. Go to the folder called "recipe-parser"
2. Go to the folder called "knowledge-base"
3. In it, you'll see our knowledge base for various transformations, as well as for parsing the recipe

Note: All recipe answers for grading should be placed in the "Recipes" folder, but all the parsed results and transformation results will be placed in the "parsed-recipes" folder