Li Wen, Stephanie Yow
Class: CS 521 - Spring 1
Date: Sat Feb 14 2025
Final Project Summary

Cooking and Baking Unit Converter

Background	One of my interests is cooking and baking. Using the right measurements can make or break a recipe. Often, I cannot recall conversions at my fingertips. I created a program that converts common units of measurement.
Objectives	• Convert 10 common volume, weight and temperature units of measurement. • Create an interactive Python 3 program that allows the user to perform more than one conversion in a single session, get their recent conversions, or exit. • Store and output conversion history, including date and time, to a file. • Be friendly to users who use Python versions older than 3.7. • Be easy and fast to use by accepting only integer and float user inputs.
Structure	**Main Menu Module *main.py*** • Main control that lets the user select their desired measurement category (volume, weight or temperature), get recents, continue, or exit the program. • Imports the unit_menu module. **Unit Menu Module *unit_menu.py*** • Secondary control enclosed in a function, where the user's selection from the main menu is passed as an argument. • Based on the value passed, the user either proceeds to select their desired units of measurement (e.g., cup to tablespoon), input a conversion value (e.g., 2 cups) and is shown results (e.g., 32 tablespoons), or is shown recent conversions. • Imports the conversion module. **Conversion Module *conversion.py*** • User-defined class named Convert, with methods that calculate, print, store and output conversions in append mode to a text file. • User-defined class named Retrieve, with a method that reads and prints 3 recent conversions from that same file. **Unit Test Module *unit_test.py*** • Provides unit tests that prove public methods of the class Convert work as expected, using assert statements.
Requirements	• Python Standard Library: datetime (datetime), collections (OrderedDict) • External: None