

## Rubric for COP 3330 Programming Assignment 1

Criteria	Points	Description
1. Random Receipt Number Generation	10	Correctly generates a random receipt number between 1000 (inclusive) and 2000 (exclusive).
2. Random Date Generation	10	Generates a random date in the correct format (Month Day Year). (4 pts)
		Year is between 1900 (inclusive) and 2100 (exclusive). (3 pts)
		Day is between 1 and 28 (inclusive). (3 pts)
3. User Input Handling	15	Proper use of Scanner to take user input for item names and prices.(5 pts)
		Continues input until "DONE" is entered as the item name.(5 pts)
		Handles different capitalizations of item names (i.e., converts the first letter to uppercase). (5 pts)
4. Tax Calculation	15	Correct tax rate is applied: 0% for food items, 30% for other items. (15 pts)
5. Receipt Details	20	Correctly displays item number, item name (with capitalization fixed), and calculated price (rounded to nearest integer). (10 pts)
		Ensures the receipt format matches the sample output exactly, with proper alignment of stars, spaces, etc. (10 pts)
6. Total Sum Calculation	15	Accurately calculates and displays the total price of all items.( 8 pts)
		Ensures the total is rounded to the nearest integer as specified. (7 pts)
7. Output Formatting	15	Output is neatly formatted with correct spacing between items and total, receipt number, and alignment as per sample output.(5 pts)
8. Code Structure and Comments	10	Code is well structured, organized, and follows best practices for readability. (5 pts)
		Includes appropriate comments explaining key parts of the code.(5 pts)
9. Compilation and Execution	10	Code compiles without errors.

\*late will get 0.85 of the grade