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1  #Lists Challenge 8: Grocery List App
2  import datetime
3
4  #Create the datetime object and store the current date and time
5  time = datetime.datetime.now()
6  month = str(time.month)
7  day = str(time.day)
8  hour = str(time.hour)
9  minute = str(time.minute)
10
11 #Welcome message
12 foods = ["Meat", "Cheese"]
13 print("Welcome to the Grocery List App")
14 print("Current Date and Time: " + month + "/" + day + "\t" + hour + ":" + minute)
15 print("You currently have " + foods[0] + " and " + foods[1] + " in your list.")
16
17 #Get user input
18 food = input("\nType of food to add to the grocery list: ")
19 foods.append(food.title())
20 food = input("Type of food to add to the grocery list: ")
21 foods.append(food.title())
22 food = input("Type of food to add to the grocery list: ")
23 foods.append(food.title())
24
25 #Print and sort the list
26 print("\nHere is your grocery list: ")
27 print(foods)
28 foods.sort()
29 print("Here is your grocery list sorted: ")
30 print(foods)
31
32 #Simulate Shopping
33 print("\nSimulating grocery shopping...")
34 print("\nCurrent grocery list: " + str(len(foods)) + " items")
35 print(foods)
36 buy_food = input("What food did you just buy: ").title()
37 foods.remove(buy_food)
38 print("Removing " + buy_food + " from the list...")
39
40 print("\nCurrent grocery list: " + str(len(foods)) + " items")
41 print(foods)
42 buy_food = input("What food did you just buy: ").title()
43 foods.remove(buy_food)
44 print("Removing " + buy_food + " from the list...")
45
46 print("\nCurrent grocery list: " + str(len(foods)) + " items")
47 print(foods)
48 buy_food = input("What food did you just buy: ").title()
49 foods.remove(buy_food)
50 print("Removing " + buy_food + " from the list...")
51
52 #The store is out of an item...
53 print("\nCurrent grocery list: " + str(len(foods)) + " items")
54 print(foods)
55 no_item = foods.pop()
56 print("\nSorry, the store is out of " + no_item + ".")
57 new_food = input("What food would you like instead: ").title()
58 foods.insert(0, new_food)
59
60 print("\nHere is what remains on your grocery list: ")
61 print(foods)

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