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| **Test** | **Description** | **Expected Results** | **Actual Results** |
| addRecipe1 | Precondition: Run CoffeeMaker  Enter: Menu option 1, "Add a recipe " Name: Coffee Price: 50 Coffee: 3 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu. | Coffee successfully added. |  |
| deleteRecipe1 | Precondition: addRecipe1 has run successfully Enter: Menu option 2, "Delete a recipe " Select: Coffee Return to main menu. | Successfully deleted |  |
| editRecipe1 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Select: Coffee  Price: 50 Coffee: 3 Milk: 1 Sugar: 1 Chocolate: 0  Return to main menu. | Coffee successfully added. |  |
| addInventory1 | Precondition: addRecipe1 has run successfully  Enter: Menu option 4, "Add an Inventory " Coffee: 3 Milk: 3 Sugar: 3 Chocolate: 3 Return to main menu. | Inventory successfully updated |  |
| checkInventory | Precondition: addRecipe1 has run successfully  Enter: Menu option 5, "Check Inventory "  Prints inventory  Return to main menu. | List the inventory of ingredients in CoffeeMaker |  |
| makeCoffee1 | Precondition: addRecipe1 has run successfully  Enter: Menu option 6, "Make Coffee " Select: Coffee  Money: 52 Return to main menu. | Coffee purchase successfully.  Change : 2 |  |
| addRecipe2 | Precondition: addRecipe1 has run successfully  Enter: Menu option 1, "Add a recipe "  Name: Coffee Price: 50 Coffee: 3 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu. | Coffee could not be added  Coffee already exists. |  |
| addRecipe3 | Precondition: Run CoffeeMaker  Enter: Menu option 1, "Add a recipe "  Name: Coffee Price: -50 Coffee: 3 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu. | Price should be positive integer. |  |
| addRecipe4 | Precondition : Run CoffeeMaker  Enter: Menu option 1, "Add a recipe "  Name: Coffee Price: 50 Coffee: 3 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu.  Enter: Menu option 1, "Add a recipe "  Name: Latte Price: 50 Coffee: 6 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu  Enter: Menu option 1, "Add a recipe "  Name: Ice Coffee Price: 50 Coffee: 6 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu  Enter: Menu option 1, "Add a recipe "  Name: Choco Coffee Price: 50 Coffee: 6 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu | Coffee successfully added  Latte successfully added  Ice Coffee successfully added  Choco Coffee cannot be added. |  |
| deleteRecipe2 | Pre condition: Run Coffee maker"  Enter: Menu option 2, "Delete a recipe " Select: null Return to main menu. | Null cannot be deleted |  |
| editRecipe2 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Select: Coffee  Price: -50 Chocolate: 0  Return to main menu. | Price should be positive |  |
| editRecipe3 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Select: null  Name: ” Latte” Return to main menu. | Null cannot be edited |  |
| addInventory2 | Precondition: Run the Coffee maker  Enter: Menu option 4, "Add a Inventory " Coffee: -3 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu. | Units of ingredients should be positive. |  |
| makeCoffe2 | Precondition: addRecipe1 has run successfully  Enter: Menu option 6, “Make coffee”  Select: Coffee  money: 48  Return to main menu | Not enough money to purchase |  |
| enoughIngredients1 | Precondition: Recipe1 has been added successfully.  Enter: Menu option 3, “Edit Recipe”  Select: Coffee  Money: 50  Return to main menu | Coffee purchase successfully. |  |
| enoughIngredients2 | Precondition: Recipe1 has been added successfully.  Enter: Menu option 3, “Edit Recipe”  Select: Coffee  Coffee: 17  Return to main menu.  Enter: Menu option 6, “Make coffee”  Select: Coffee  Return to main menu. | Not enough ingredients to make coffee. |  |