**Acceptance Tests**

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| checkOptions0 | Precondition: None | Welcome to the CoffeeMaker!  1. Add a recipe  2. Delete a recipe  3. Edit a recipe  4. Add inventory  5. Check inventory  6. Make coffee  0. Exit  Please press the number that corresponds to what you would like the coffee maker to do. |  |
| 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. |  |
| addRecipe1E1 | PreCondition: Run CoffeeMaker and three recipes already in system  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 |  |
| addRecipe1E2 | PreCondition: Run CoffeeMaker  Enter: Menu option 1, "Add a recipe " Name: Coffee Price: $% Coffee: 3 Milk: 1 Sugar: 1 Chocolate: 0 Return to main menu. | Please input an integer |  |
| addRecipe1E3 | PreCondition: Run CoffeeMaker  Enter: Menu option 1, "Add a recipe " Name: Coffee Price: 1 Coffee: $ Milk: # Sugar: % Chocolate: ^ Return to main menu. | Please enter an integer |  |
| addRecipe1E4 | PreCondition: Run CoffeeMaker  Enter: Menu option 1, "Add a recipe " Name: Coffee Price: 2 Coffee: -1 Milk: -1 Sugar: -4 Chocolate: -5 Return to main menu. | (Note: Not included)  Please enter a positive integer |  |
| addRecipe1E5 | PreCondition: Run CoffeeMaker and recipe with same name must exist  Enter: Menu option 1, "Add a recipe " Name: Coffee Price: 1 Coffee: 3 Milk: 1 Sugar: 4 Chocolate: 5 Return to main menu. | Coffee could not be added |  |
| deleteRecipe1 | Precondition: addRecipe1 has run successfully Enter: Menu option 2, "Delete a recipe " Select: Coffee Return to main menu. | Successfully deleted |  |
| deleteRecipe1E1 | Precondition: addRecipe1 has run successfully Enter: Menu option 2, "Delete a recipe " Select: 5 Return to main menu. | (Note: not included, breaks)  Number out of bounds |  |
| deleteRecipe1E2 | Precondition: addRecipe1 has run successfully Enter: Menu option 2, "Delete a recipe " Select: “a” Return to main menu. | Please input an integer |  |
| deleteRecipe1E3 | Precondition: addRecipe1 has run successfully Enter: Menu option 2, "Delete a recipe " Select: null Return to main menu. | Null could not be 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. |  |
| editRecipe1E1 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Select: “5”  Return to main menu. | (Note: not included, breaks)  Number out of bounds |  |
| editRecipe1E2 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Select: “$” Return to main menu. | Please input an integer |  |
| editRecipe1E3 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Select: Coffee  Price: $ Return to main menu. | Please input an integer |  |
| editRecipe1E4 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Name: Coffee Price: 1 Coffee: $ Milk: # Sugar: % Chocolate: ^ Return to main menu. | Please enter an integer |  |
| editRecipe1E5 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Select: Coffee  Price: 1 Coffee: -2 Milk: 1 Sugar: 1 Chocolate: 0  Return to main menu. | (Note: Not included)  Please enter a positive integer |  |
| editRecipe1E6 | Precondition: addRecipe1 has run successfully  Enter: Menu option 3, "Edit a recipe " Select: Null Return to main menu. | Null could not be edited |  |
| addInventory1 | Precondition: Run CoffeeMaker  Enter: Menu option 4, “Add Inventory”  Coffee: 3 Milk: 1 Sugar: 1 Chocolate: 0  Return to main menu. | Inventory successfully added |  |
| addInventory1E1.1 | Precondition: Run CoffeeMaker  Enter: Menu option 4, “Add Inventory”  Coffee: #  Return to main menu. | Please enter an integer |  |
| addInventory1E1.2 | Precondition: Run CoffeeMaker  Enter: Menu option 4, “Add Inventory”  Coffee: -1  Return to main menu. | (Note: Not included)  Please enter a positive integer |  |
| addInventory1E2 | Precondition: Run CoffeeMaker  Enter: Menu option 4, “Add Inventory”  Coffee: A  Return to main menu. | Please input an integer |  |
| checkInventory1 | Precondition: Run CoffeeMaker  Enter: Menu option 5, “Check Inventory”  Return to main menu. | Coffee: 15  Milk: 15  Sugar: 15  Chocolate: 15 |  |
| purchaseBeverage1 | Precondition: Run CoffeeMaker  Enter: Menu option 6 “Make coffee”  Select: Coffee  Amount: 60  Return to main menu. | Your change is: 10 |  |
| purchaseBeverage1S1 | Precondition: Run CoffeeMaker and inventory has enough items required to complete recipe, cost of recipe is 5  Enter: Menu option 6 “Make coffee”  Select: Coffee  Amount: 6 | Your change is: 1 |  |
| purchaseBeverage1S2 | Precondition: Run CoffeeMaker and cost of recipe is 5  Enter: Menu option 6 “Make coffee”  Select: Coffee  Amount: 6 | Your change is: 1 |  |
| purchaseBeverage1E1 | Precondition: Run CoffeeMaker and inventory has less items than required to complete recipe  Enter: Menu option 6 “Make coffee”  Select: Coffee  Amount: 60  Return to main menu. | Your change is: 60 |  |
| purchaseBeverage1E2 | Precondition: Run CoffeeMaker and recipe exists with a cost of 5  Enter: Menu option 6 “Make coffee”  Select: Coffee  Amount: 3  Return to main menu. | Your change is: 3 |  |