Manage Power:

Scenario: *Power Coffee Maker On*

Main Success Scenario:

1. Coffee Drinker turns the Coffee Maker on

2. Coffee Maker indicates power is on

3. Coffee Maker indicates the System is ready for Brewing

4. Coffee Maker indicates the Current State of the Carafe

    (a) Home–in the Coffee Maker
    (b) Pulled–away from the Coffee Maker
    (c) Pouring–Pouring out the Carafe's contents

5. Coffee Maker indicates the current amount of Water in the Reservoir

6. Coffee Maker indicates the current amount of brewed coffee in the Carafe

7. Coffee Maker accepts Coffee Drinker Input

    (a) To Brew Coffee
    (b) For Getting the Carafe
    (c) For Filling the Reservoir

Alternate Scenarios:

7a. If the Carafe is currently in the Pulled State, then the Coffee Maker accepts

    (a) Brew Coffee
    (b) Return Carafe
    (c) Fill Reservoir
    (d) Pour

    as Coffee Drinker Input

7b. If the Carafe is currently in the Pouring (emptying its contents) State, then the Coffee Maker accepts

    (a) Brew Coffee
    (b) Fill Reservoir
    (c) Stop Pouring

    as Coffee Drinker Input