Use Case 3: Manage Power
Scope: Coffee Maker
Level: Coffee Drinker Goal
Primary Actor: Coffee Drinker
Scenario: *Power Coffee Maker On*
Related Use Cases: None
Stakeholders & Interrests:

- Coffee Drinker: who wants to brew coffee

Preconditions: Coffee Maker is powered off
Postconditions: Coffee Makeer is powered on. Coffee Maker is reflecting the current State of the Coffee Maker and its components.
Success Guarantees: Power is applied to the Coffee Maker

Main Success Scenario:

Coffee Drinker	Coffee Maker
1. Applies Power to the Coffee Maker	
2.	Indicates Power is Applied
3.	Indicates in the Brewing State

4.	Indicates the Carafe State
	
	  1. Home–in the Coffee Maker
	
	  2. Pulled–away from the Coffee Maker
	
	  3. Pouring–pouring out the Carafe's contents

5.	Indicates the Current State of the Reservoir (the amount of water in the Reservoir)
6.	Indicates the amount of coffee in the Carafe

7.	Sets up to accept Coffee Drinker input:
	
	  1. To Brew Coffee
	
	  2. To Get the Carafe
	
	  3. To Fill the Reservoir

Extensions (Alternative Flows):

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

    1. Brew Coffee

2. Return Carafe

3. Fill Reservoir

4. Pour

as Coffee Drinker input.

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

1. Brew Coffee

2. Fill Reservoir

3. Stop Pouring

as Coffee Drinker input.

Special Requirements:

- Power to the Coffee Maker must be off

- The State of the Carafe must be known

- The amount of the Reservoir must be known

Technology & Variations List:

- none

Open Issues:

- none