

Use Case 2: Get Coffee**Scope:** Coffee Maker**Level:** Coffee Drinker Goal**Primary Actor:** Coffee Drinker**Scenario:** None**Related Use Cases:** *Use Case 1: The Coffee Drinker shall brew Coffee***Stakeholders & Interests:**

- Coffee Drinker: wants coffee

Preconditions: There is Coffee in the carafe**Postconditions:** Coffee is poured into a mug(cup). The amount of coffee in the carafe is less by at least the amount poured into the mug(cup).**Success Guarantees:** The Coffee Drinker has Coffee**Main Success Scenario:**

Coffee Drinker	System
1. Pulls the carafe	
2. Gets a Mug(Cup)	
3. Pours Coffee	
	4. Empties the Carafe
	5. Fills the Mug(Cup)
6. Stops pouring coffee	
7. Returns the carafe	

Extensions (Alternative Flows):

- 1a. If the Carafe is already pulled, then the Coffee Drinker waits until the Carafe is returned.
- 4a.,5a. If the Carafe runs out of coffee, the the Carafe stops emptying into the Mug(Cup), and the Mug(Cup) stops filling.
- 4b.5b. If the mug(cup) is full and the carafe continues to empty, then no more coffee is added to the mug(cup)–coffee spills onto the floor.
- 4c.5c. If the mug(cup) is full and the carafe continues to empty, then the amount of coffee in the carafe continues to decrease until the carafe is empty or the Coffee Drinker stops pouring.

Special Requirements:

- none

Technology & Variations List:

- none

Frequency of Occurrence: Dependent upon the availability of brewed coffee (see *Use Case 1: The Coffee Drinker shall brew Coffee*).**Open Issues:**

- The size of the carafe is variable
- The size of the mug(cup) is variable
- What about multiple fillings of multiple different mugs(cups)?