

LexCafe01 – Sample LexTML Appliance

LexCafe01 is a LexTML-enabled coffee machine that demonstrates emotional-aware communication, logical safety checks, and appliance-to-server interaction within the LexTML ecosystem.

Appliance ID

lexCafe01 – Espresso or Latte maker.

Appliance Abilities,

2 bean storage trays, adjustable grinder, re Fridgerated milk with warmer/frother, adjustable sugar dispenser, 2 cup dispenser, warmer.

1. Command Received

User says: “Lex, I want a large latte, med sweet.”

LexTML received by lexCafe01:

<LXp:TR3r-request+direct@lexCafe01+intent> “coffeebin1, latte, cup3, sweet2”

2. Precheck: Operational Sanity Checks

Check	LexTML Emission	Action
Is there already a cup?	<LX:TD2h-refuse+standby@server> “cup=present”	Wait and notify LexServer
Is anyone home?	<LXd:FR3h-safetycheck+abort@user+presence> “absent”	Cancel or pause the job
Is machine overheating?	<LXd:FR4h-override+cool@self>	Auto shutdown + red LED blink

3. If All Clear, Begin Brew

<LX:TR3r-confirm+ok@user+status=processing>

<LX:TR3w-confirm+playful@user+msg> "One large latte coming right up. Hope you're as sweet as your coffee.">

4. Post-Action: Cup Not Removed

If cup is not removed within 3 minutes:

<LX:SS2h-reminder+wait@user+msg> "Coffee's still here. All that work and no sip?">

If not removed after 15 minutes: (Internal turn off warmer.)

<LX:TD2d-logevent+idle@server+status> “Uncollected drink”

Summary

LexCafe01 demonstrates a full LexTML appliance lifecycle: it receives emotion-coded requests, runs sanity checks, responds with emotional transparency, and escalates

unresolved states through LexServer. This system can easily scale into broader multi-appliance networks or emotional awareness frameworks.

Appliance Teamwork

If Appliance gets request. LexServer is notified to post logs and possible errors, also to resolve redundancy, i.e. multiple appliances hearing same request.