# 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 – Expresso or Latte maker.

## Appliance Abilities,

2 bean storage trays, adjustable grinder, refridgerated 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.