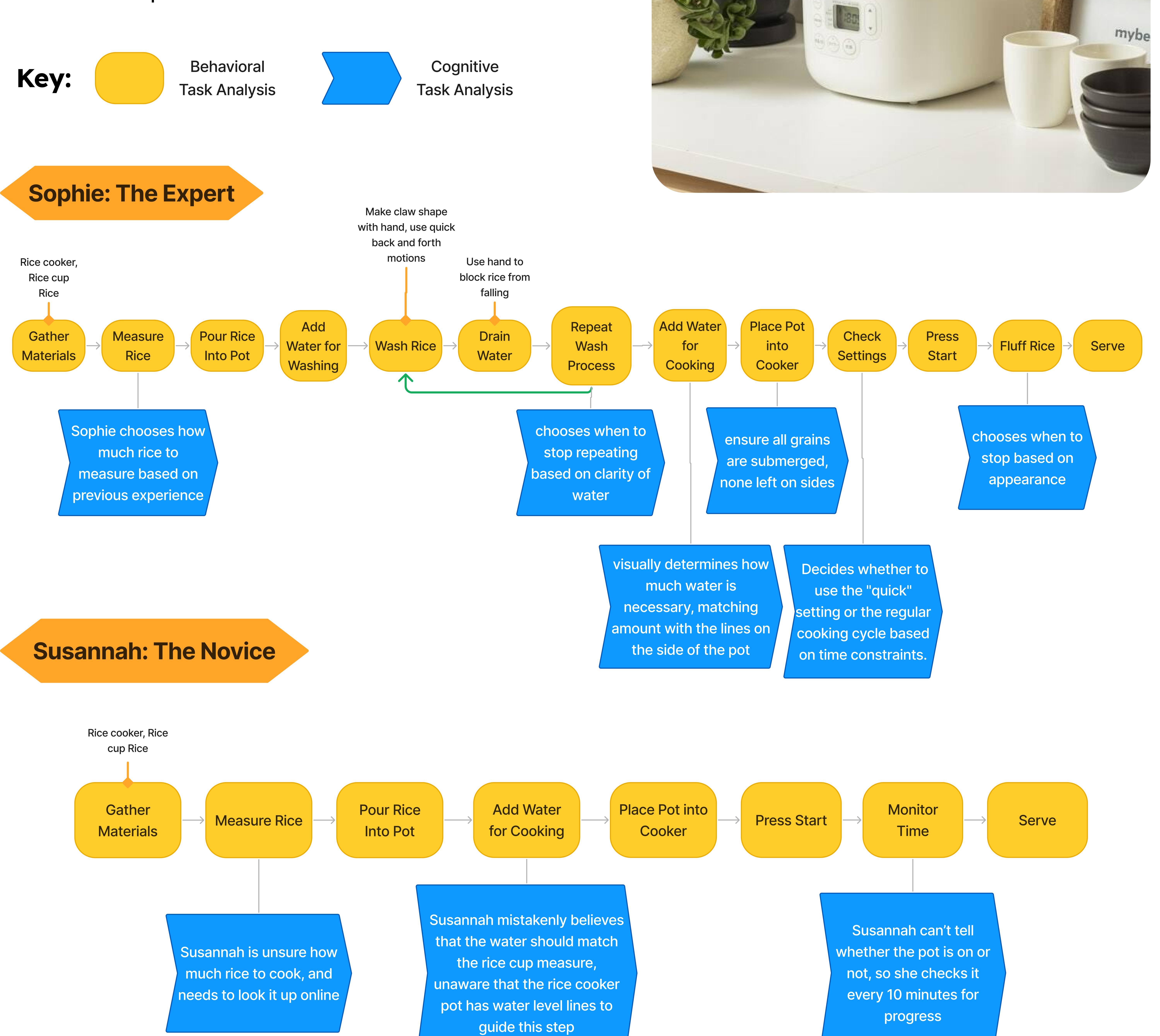
COOKING RICE Task Analysis

Chelsea Camp --- ENP 64



Discussion

I observed an expert and a novice as they made pots of rice for this task analysis and asked questions to complete a cognitive analysis simultaneously. In the key above, physical steps taken by the participants are marked with yellow boxes, while cognitive elements influencing their actions are represented by blue shapes. Specifications about the process are annotated above each yellow step. The graphics clearly show that the expert takes significantly more steps than the novice and demonstrates a deeper understanding of each action, as reflected in the number of cognitive decisions involved. This task analysis highlighted how the expert engages more thoroughly with the process, taking detailed steps with confidence built through experience. For instance, she washes the rice multiple times, fluffs it, and checks the settings—steps the novice completely skipped. By contrast, the novice oversimplifies the process, omitting critical steps, displaying uncertainty in multiple areas (such as how much rice to cook or when it will be done), and relying heavily on external instructions or assumptions.