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Interactive Cooking Guide



The Cooking Guide is an interactive cook book that guides the user through the process of cooking dishes. Once installed, the user sets the program to the desired dish and will be guided through the cooking process with visual cues provided through the projection. Audio cues can also be selected for added guidance.

After the desired dish has been selected, the user is prompted to select the appropriate ingredients and place them on the icon for that particular ingredient. Once placed on the icon, the projection will adjust the ingredient's outline based on its dimensions.

Once each ingredient has been placed on the counter surface, the user is then cued visually through each step of the process. Sections that require the use of the stove or oven are cued with visual timers and reminders as well as audio reminders.

Technical detail:

The Cooking Guide operates through the use of camera tracking with small embedded cameras each installed specifically to the kitchen they are used in. Projectors are installed above the areas designated to be the cooking workspace. The system is then calibrated by the installer, adjusting for the uniqueness of the space. Software is written to read the surfaces accurately and allow the projection to be optimal.