

Cognitive Modeling: Activity Theory
Breaks down Activity (Cooking) into discrete Actions. & Operations (Industry)
La Activity Condered Deadan

Distributed (organistron

L) formiller oven layout, combrol location

formiller touch - screen style GUI

Externel Cognition
(northelige of recipes in IOT detabase, additionally from user

Sognifier:
Thanks to distributed cognition (familiarity of oven mechanism, tablet-like interface) the user assumes "cregular oven functionality + information")
GUI uses visual display of prepared foods, w/ direct visual feelback for sliders.

Affordances
touch screen - Direct interaction: rouch desired food, slider gives immediate visual feedback of how well-done handle of over door
Manual Dials for ktoretop burners

## Ideal testers:

People who typically don't devote much time to learning new recipes (bachelors, professionals)

Ideal groups to see the effectiveness of integrating the externalized knowledge into the oven.

More experienced cooks (stay-at-home moms / dads)

Get a typical user profile of how valuable / helpful new features are to main target market Experienced chefs

Feedback on recipes, advice

## Evaluation of Success / Failure

Baseline: Determine how much time it takes for people to prepare certain recipes that they must research in a book or online

Determine how much, if any, time is saved by the more advanced HCI integration of the oven. Survey test takers of their personal experience using the system, since even if it takes the same amount of time, it might be more enjoyable.

Failure is a 0 perceived or actual value added situation: in this case, that there is no improvement in cooking efficiency or cooking enjoyment.