

# Virtual Chef

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HCDE Human  
Centered  
Design &  
Engineering

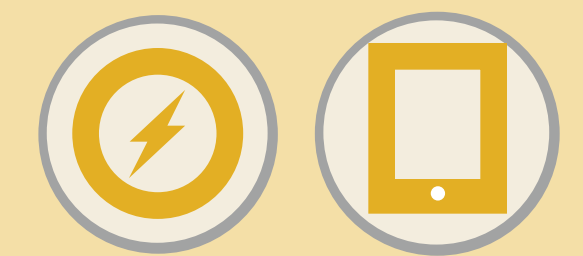


## RESEARCH

First, our team conducted secondary online research, created a moodboard, and conducted meal preparation studies to understand the problem area.

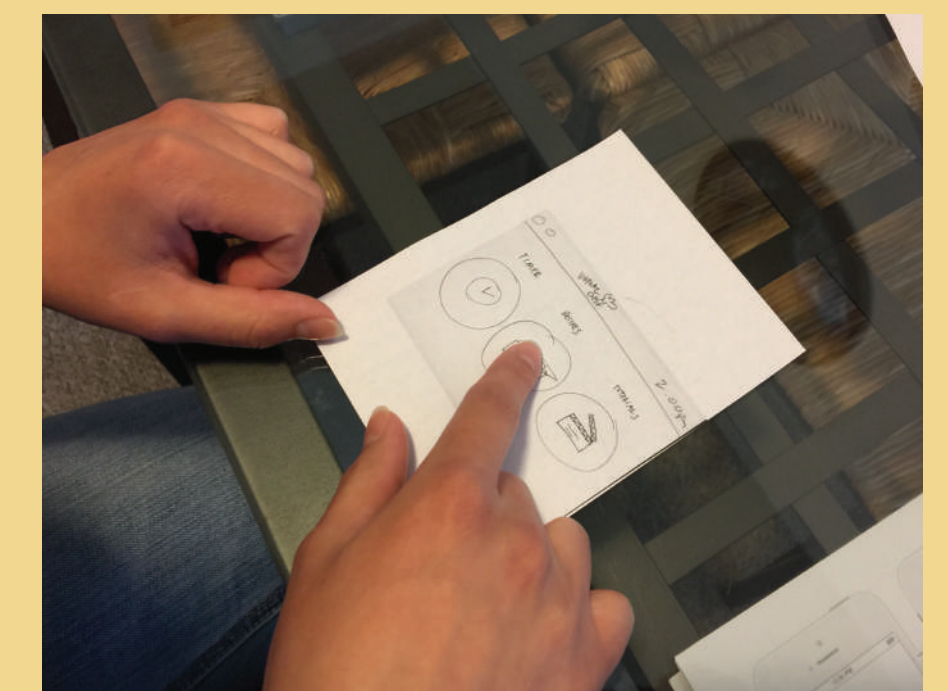


Design Insights:



## IDEATION & USABILITY

Next our team created sketch iterations, established our system layout, and created storyboards. We created a paper prototype that was tested on two users.



Design Insights:



## FINAL APP DESIGNS

Finally, we created high-fidelity mockups of our apps' interface. Further usability testing was and is being conducted through an interactive test using InVision and an iPad.



Design Insights:



### Find & Save Recipes

Easily saves new recipes with filters based on difficulty, time, in-stock ingredients, and more!



### Time Maintenance

Alerts and timers are automatically updated, removed, and reset for the user.



### Compact & Seamless

Designed to seamlessly integrate into the kitchen space via the Virtual Chef tablet app.



### Hands Free

Voice capability enables hands free control of the interface, using intuitive voice commands.



### Maximizes Efficiency

Monitors the whole cooking process, and indicates when to wash, clean up, and get the next ingredients.

