

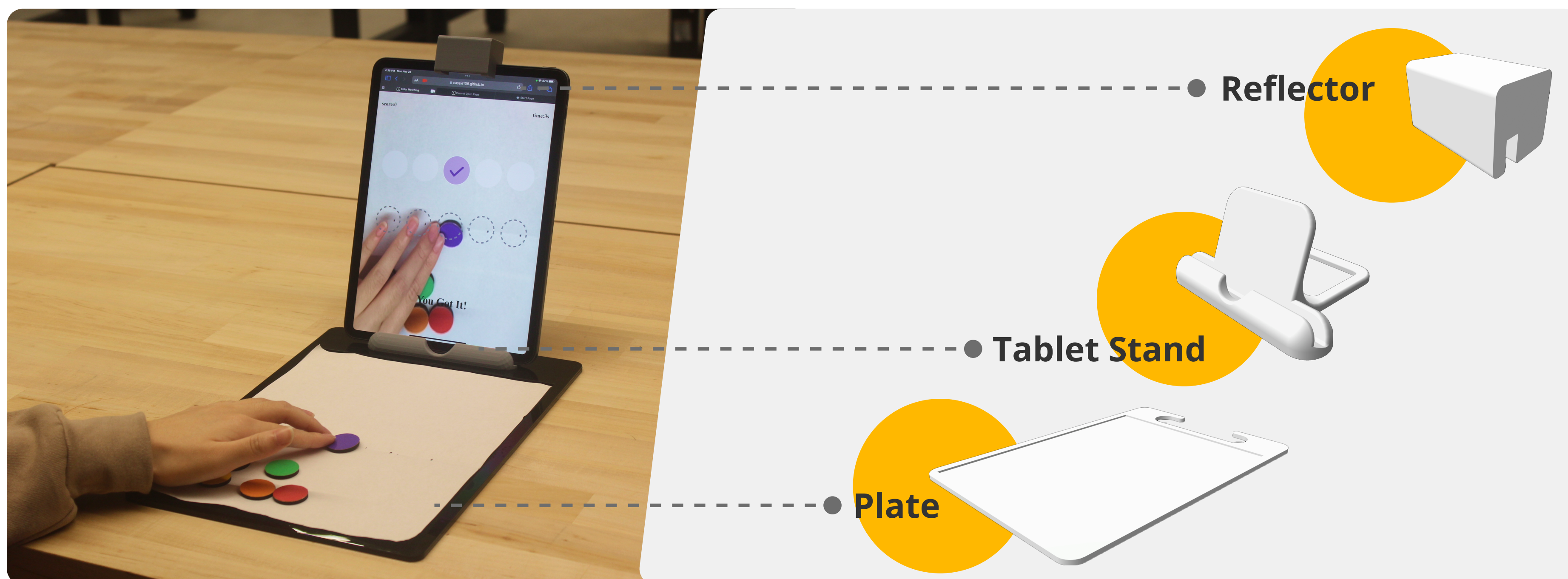


CAFE

Care Activity Fun Engagement

Bring an expert home and free up time for caregivers.

A robust activity library and tangible user interface for family caregivers at home.



Customized Tangible Interface

Problem

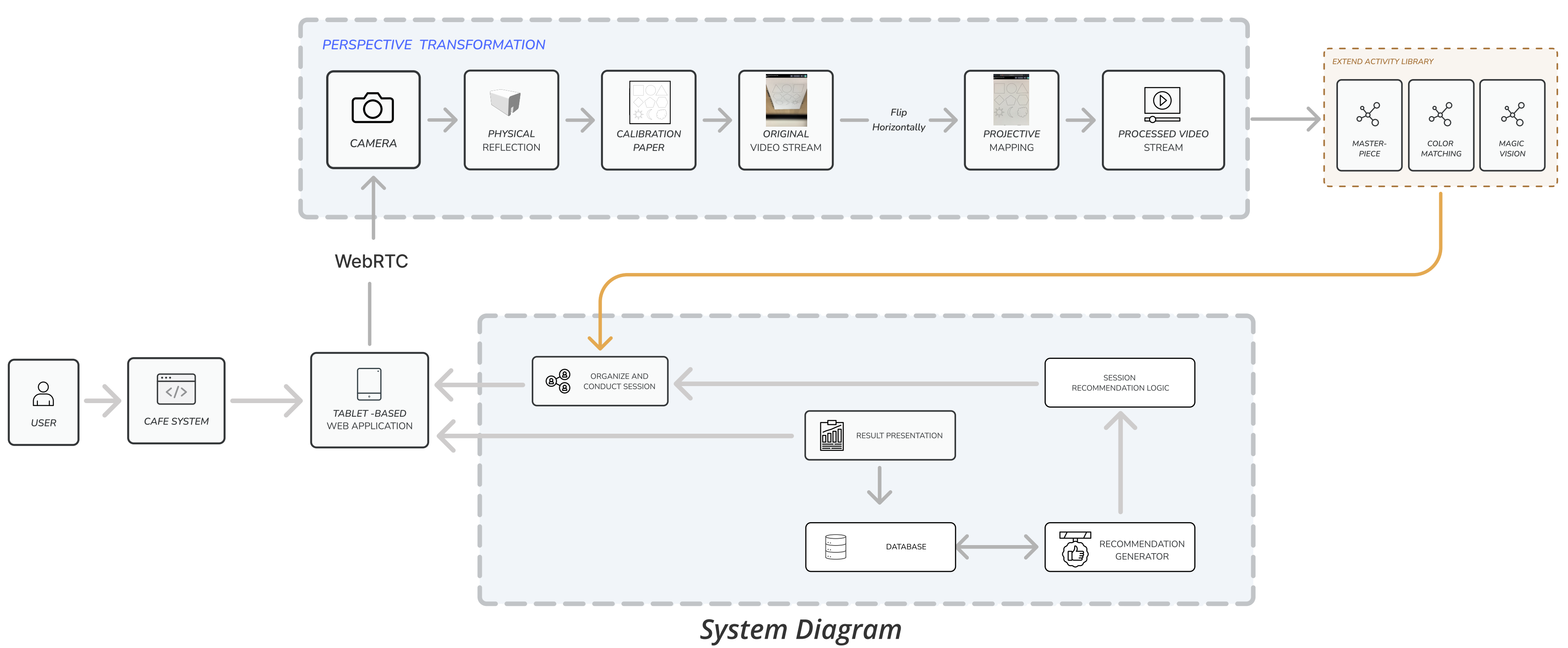
According to Alzheimer's Disease International, someone develops dementia in every 3 seconds worldwide. There are over 55 million people worldwide living with dementia in 2020, and 80% are taken care at home by family caregivers providing 37 billion hours of unpaid care each year.

Family caregivers usually have limited experience and training, and there are very few products in the market that help caregivers improve the quality of caregiving and engagement at home as well as free up their time in an empathetic and understanding way.

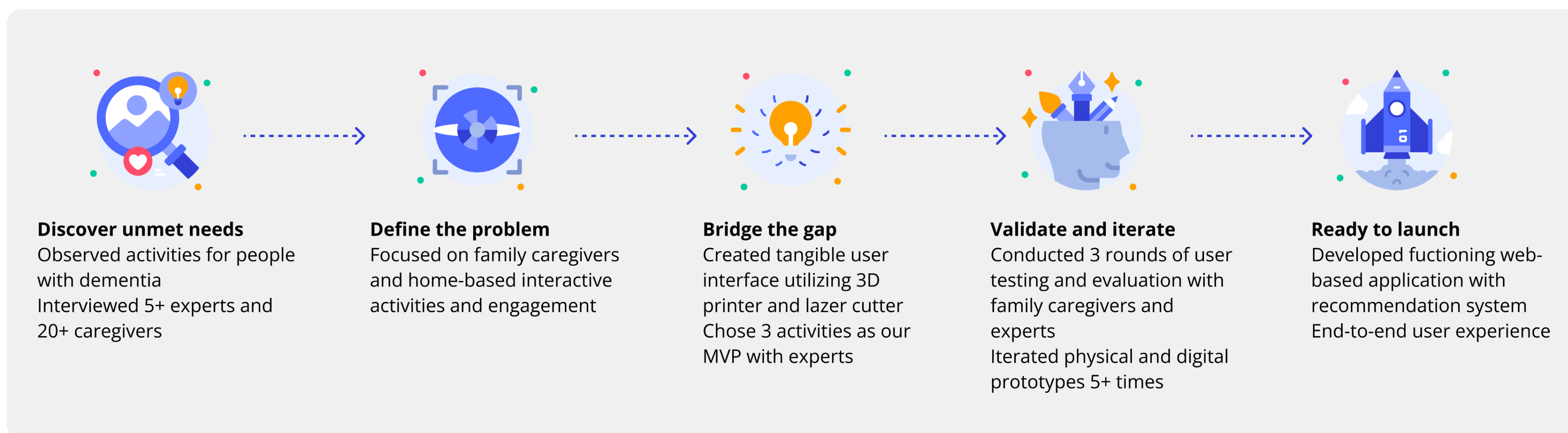
Solution

Our solution is a tablet-based web application associate with tangible user interface including a reflector, a stand and a customized plate and tiles for family caregivers to arrange, and conduct various pre-programmed interactive activities leveraging AI-powered algorithms and recommendation system.

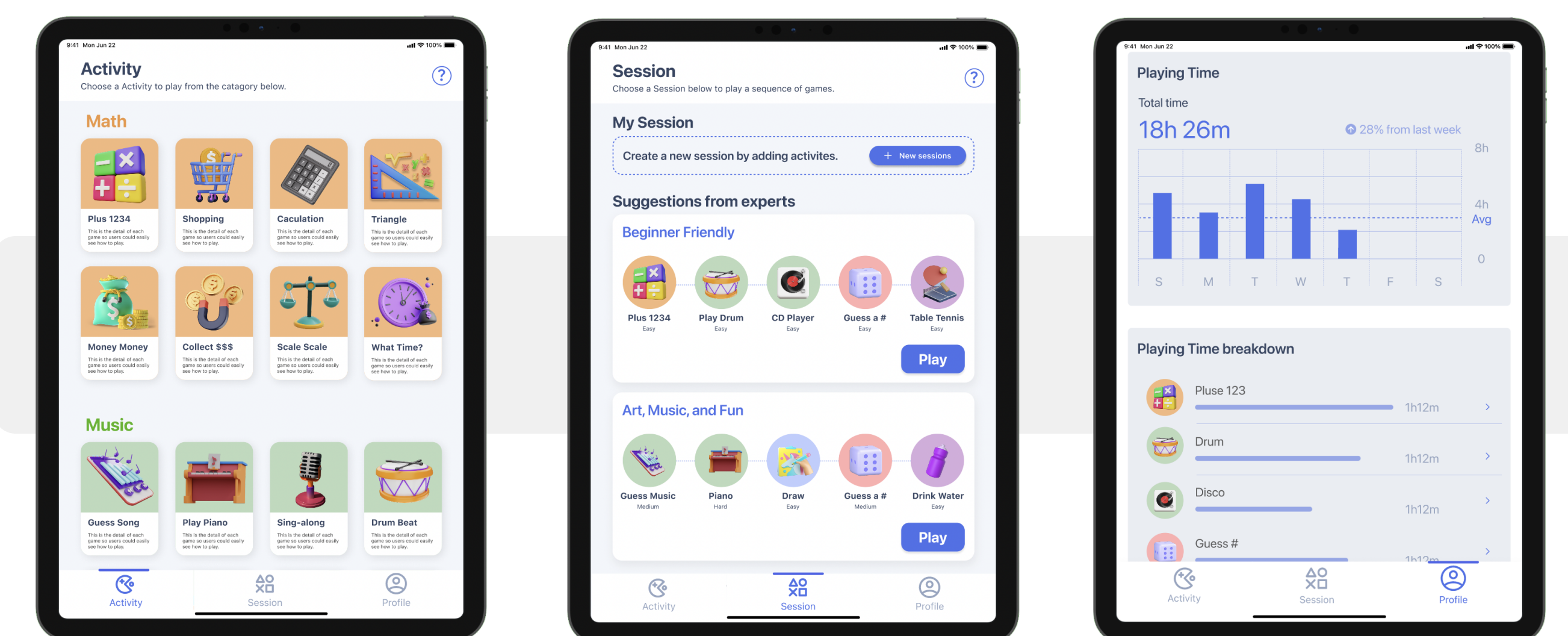
We provide a robust activity library with experts recommendation that aims to bring an expert to home for guiding inexperienced caregivers better.



System Diagram



Design Process



Activity page

Session page

Dashboard

Approach

From conducting primary and secondary research related to dementia, our team has been empathizing this whole problem space via interviews and observations, and we really want to use our skills to reduce the pain. Thus, we scoped down to our current user group- family caregiver, since this group has great unmet needs.

