Screw It! - Sketching Report

CS185 W26 | Annika Damstedt, Hannah Zhang, Krystelle Baluyot | February 11, 2026

01. VALUE PROPOSITION

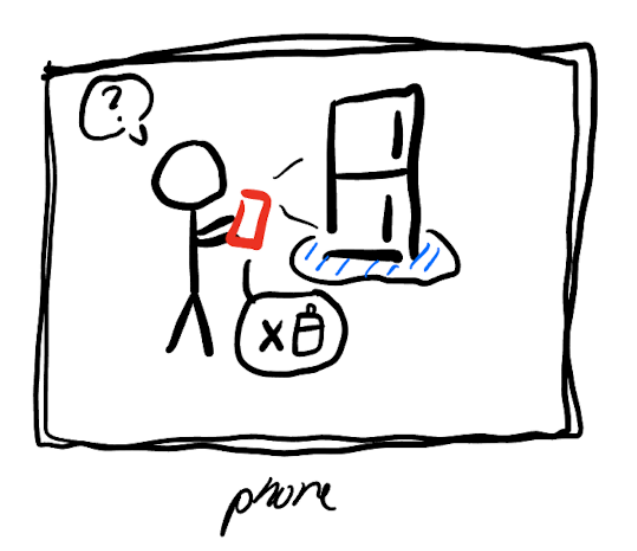
Overview
Screw It! is a central hub for home maintenance help, and makes home maintenance decision-making through DIY (Do It Yourself) vs. professional services comparisons easy

Key Features and Capabilities
Screw It! features an AI assistant that helps users identify home maintenance issues, compare DIY and professional solutions to choose what is right for the user, and guide them through the steps needed for a DIY solution or a professional solution.

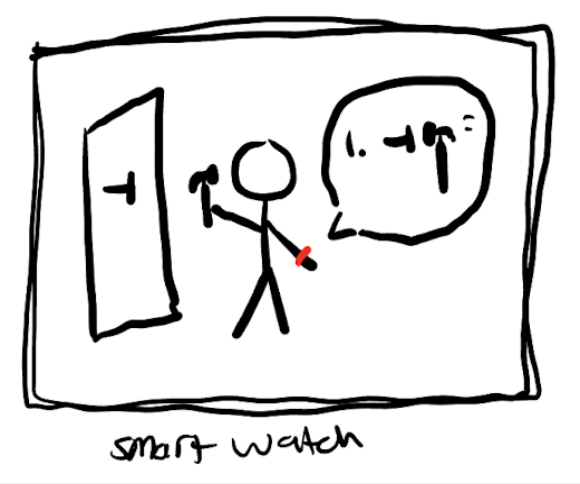
Benefits
Screw It! Helps users avoid making costly mistakes and recommends and connects users directly with professional services, with the incorporation of our AI assistant that gathers information.

02. BRAINSTORMED SOLUTIONS

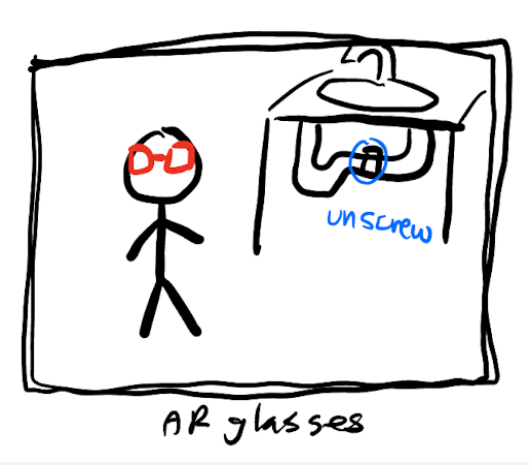
Phone



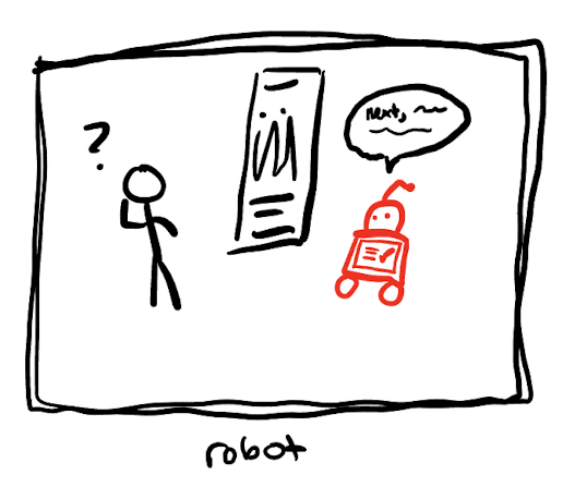
Smart Watch



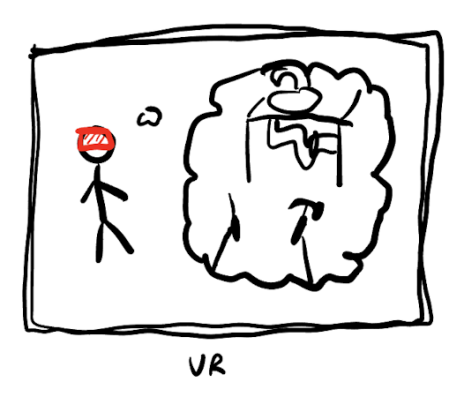
AR Glasses



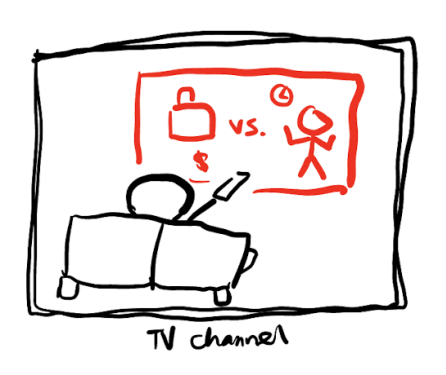
Robot



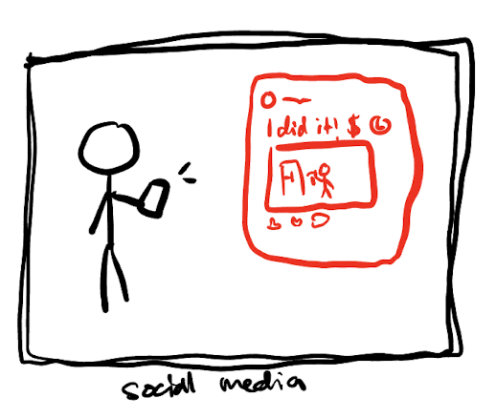
VR (Virtual Reality) Headset



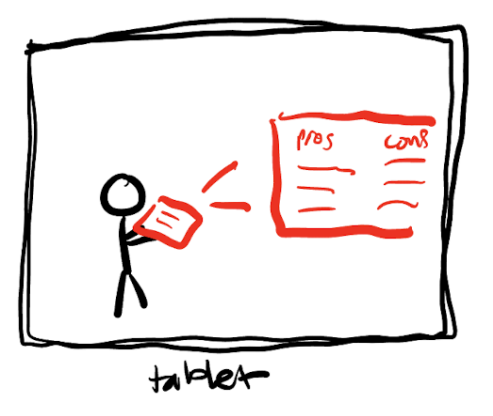
TV Channel



Social Media

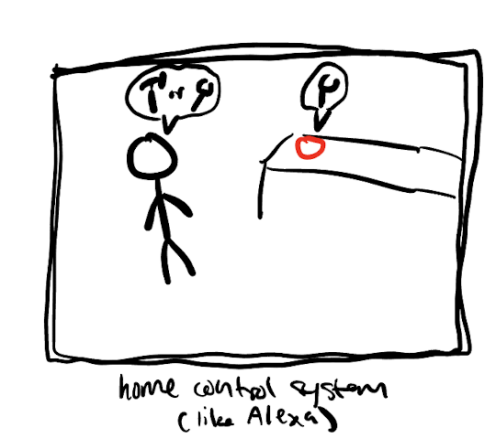


Tablet



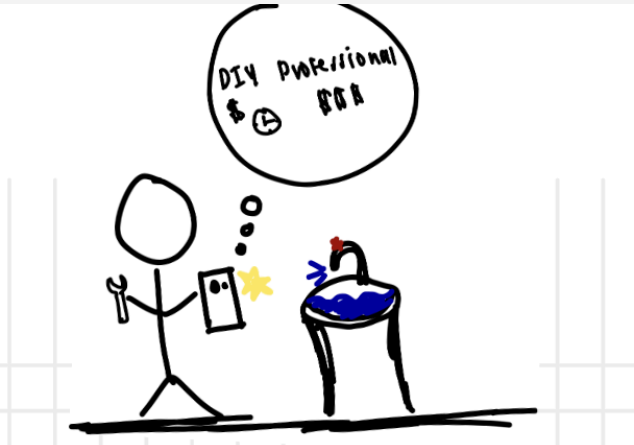
AI Pin

Home Control System (e.g. Amazon's Alexa)



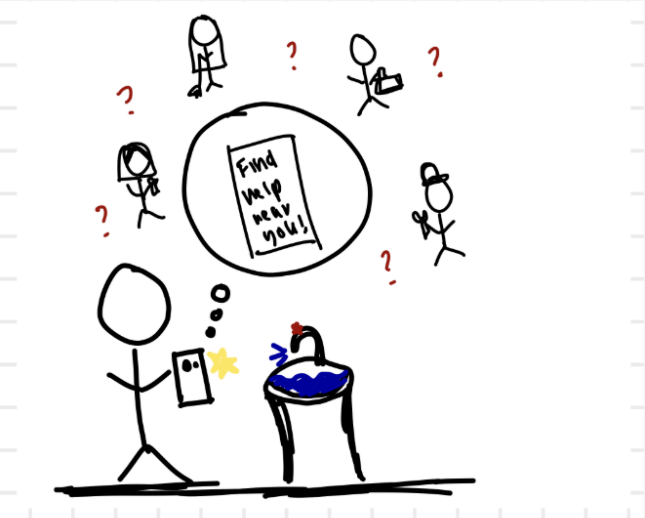
03. CONCEPT SKETCHES

Phone



User uses phone to get detailed cost, time, and difficulty comparison between DIY and professional approaches

User uses phone to take photo of issue, AI highlights area to focus on and provides detailed analysis



User uses phone to find reliable professional experts using AI assistant

User uses phone to access step-by-step instructions for DIY approach using AI assistant.

User uses phone to scan toolbox and detect different tools, tells user tools they already own for task to help them take action

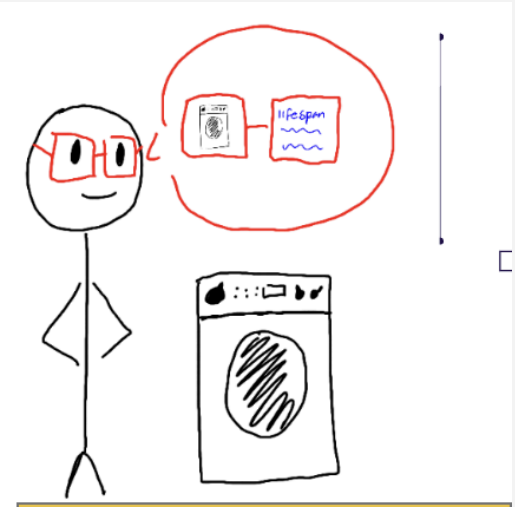
AR Glasses

User uses AR glasses to scan and identify the maintenance issue

User uses AR glasses to get assistance and instructions to solve the issue

User uses AR glasses to scan broken parts and get a rough estimate on price

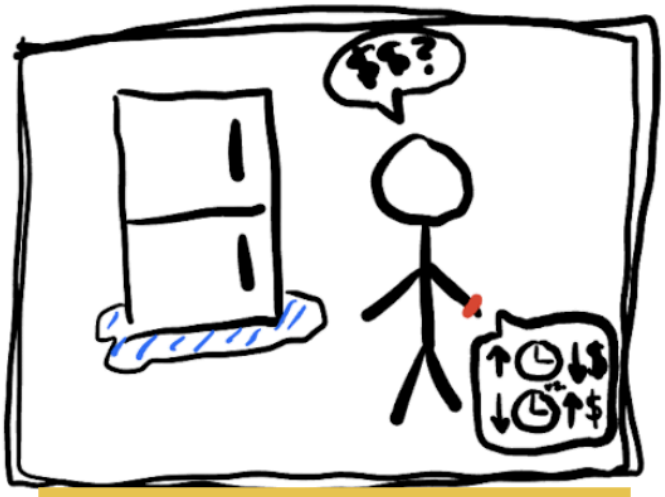
User uses AR glasses to compare diy and professional service price estimates



User uses AR glasses to identify appliances and their lifespan, and possible leading issues

Smart Watch

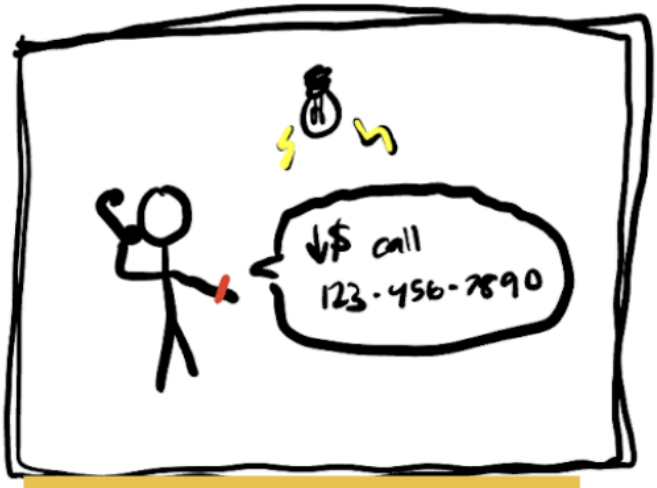
Watch will list out supplies needed for a task and help you remember to pick them up



You can ask for the cheapest way to solve a problem

You can describe the problem to the watch and it will identify it

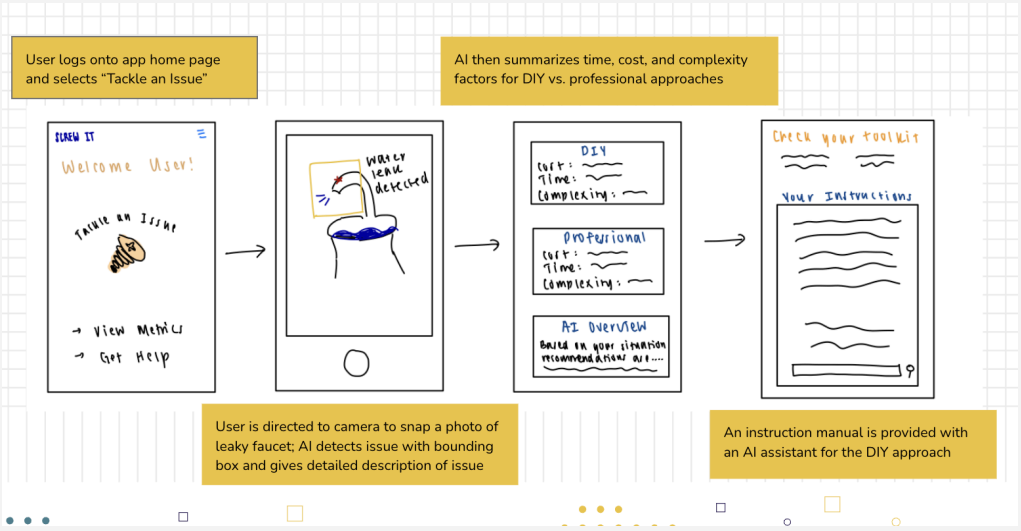
Watch will say steps out loud when you need them



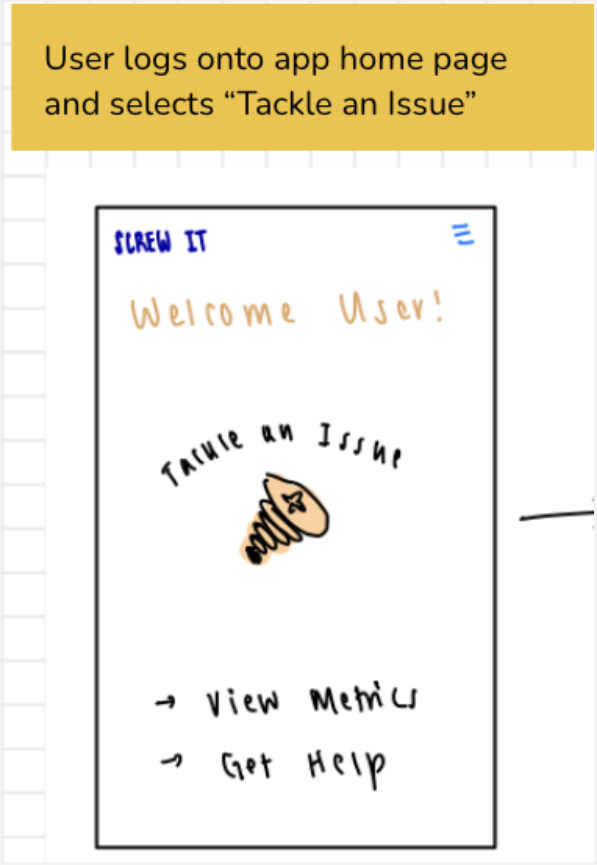
Watch can recommend best professional in the area to call

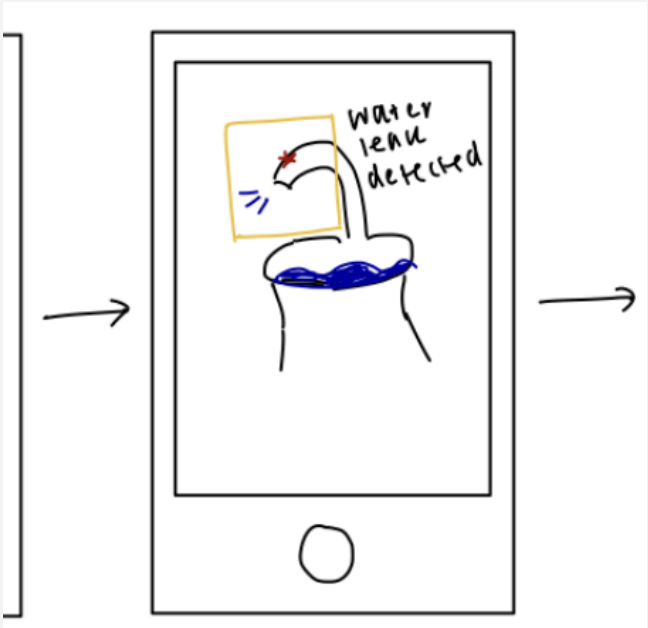
04. REALIZATIONS

Phone



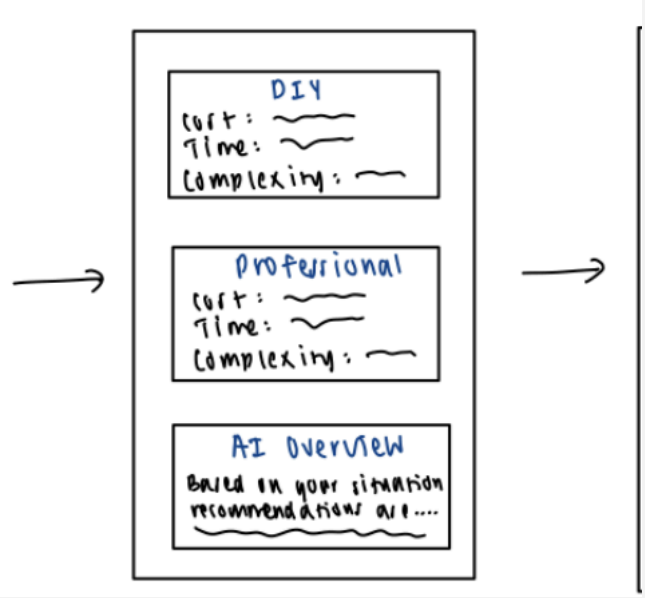
User logs onto app home page and selects “Tackle an Issue”

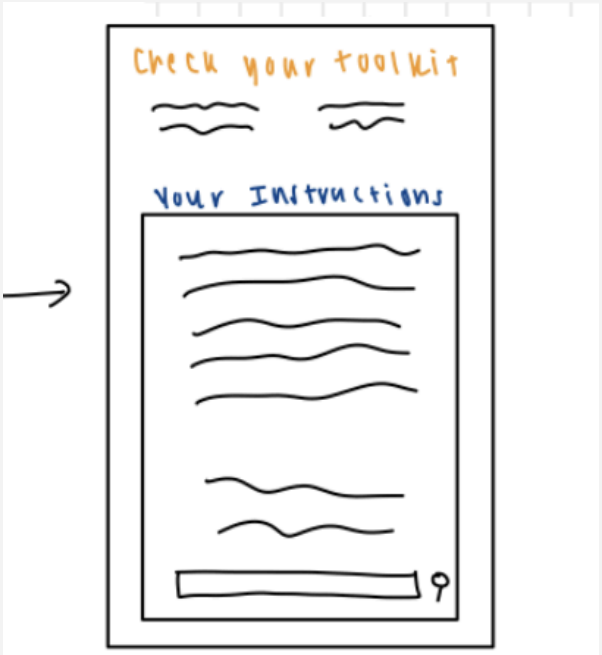




User is directed to camera to snap a photo of leaky faucet; AI detects issue with bounding box and gives detailed description of issue

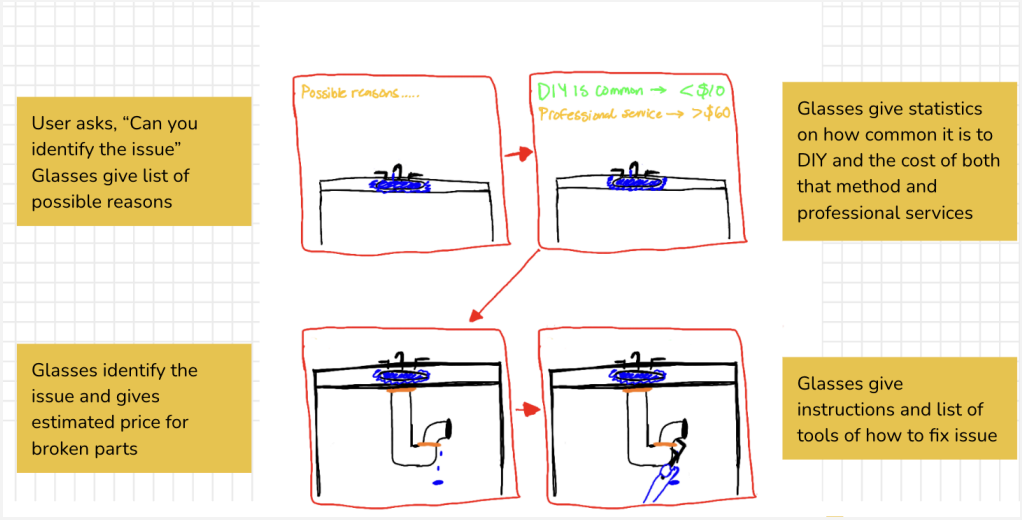
AI then summarizes time, cost, and complexity factors for DIY vs. professional approaches

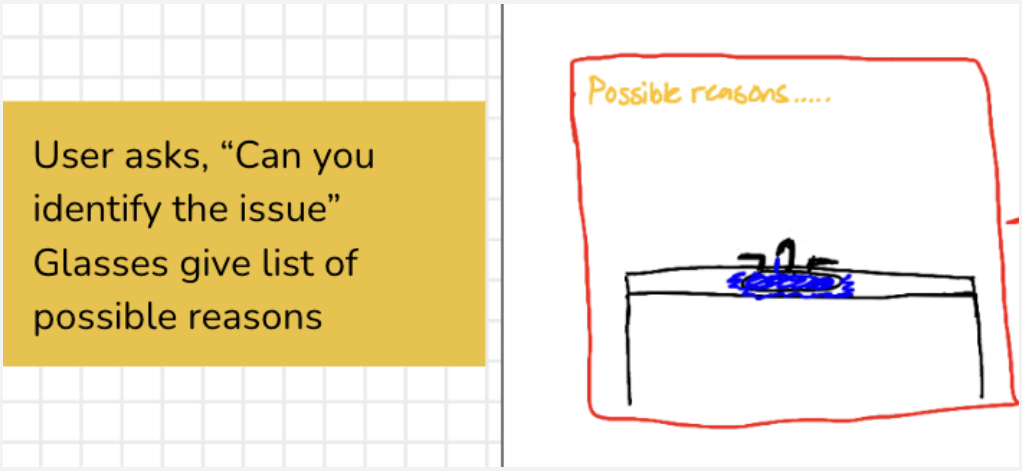




An instruction manual is provided with an AI assistant for the DIY approach

AR Glasses


User asks, “Can you identify the issue” Glasses give list of possible reasons
Possible reasons.....
DIY is common → <$10
Professional service → >$60
Glasses give statistics on how common it is to DIY and the cost of both that method and professional services
Glasses identify the issue and gives estimated price for broken parts
Glasses give instructions and list of tools of how to fix issue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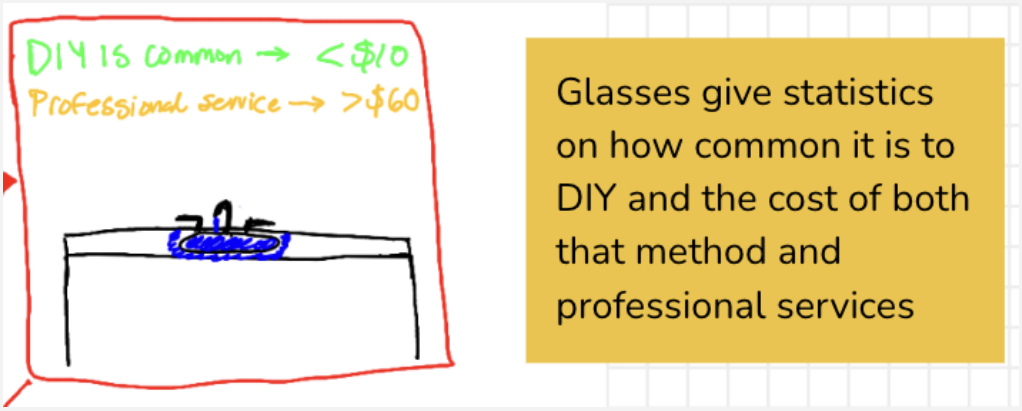
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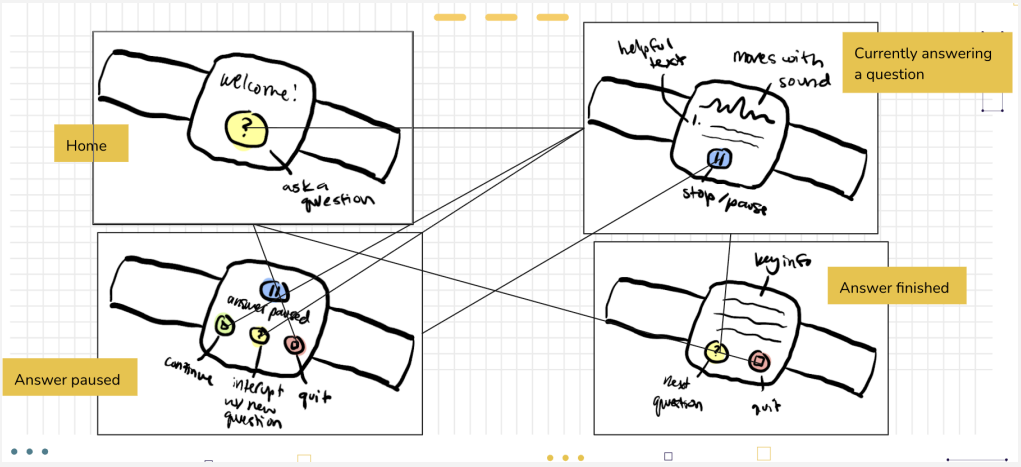
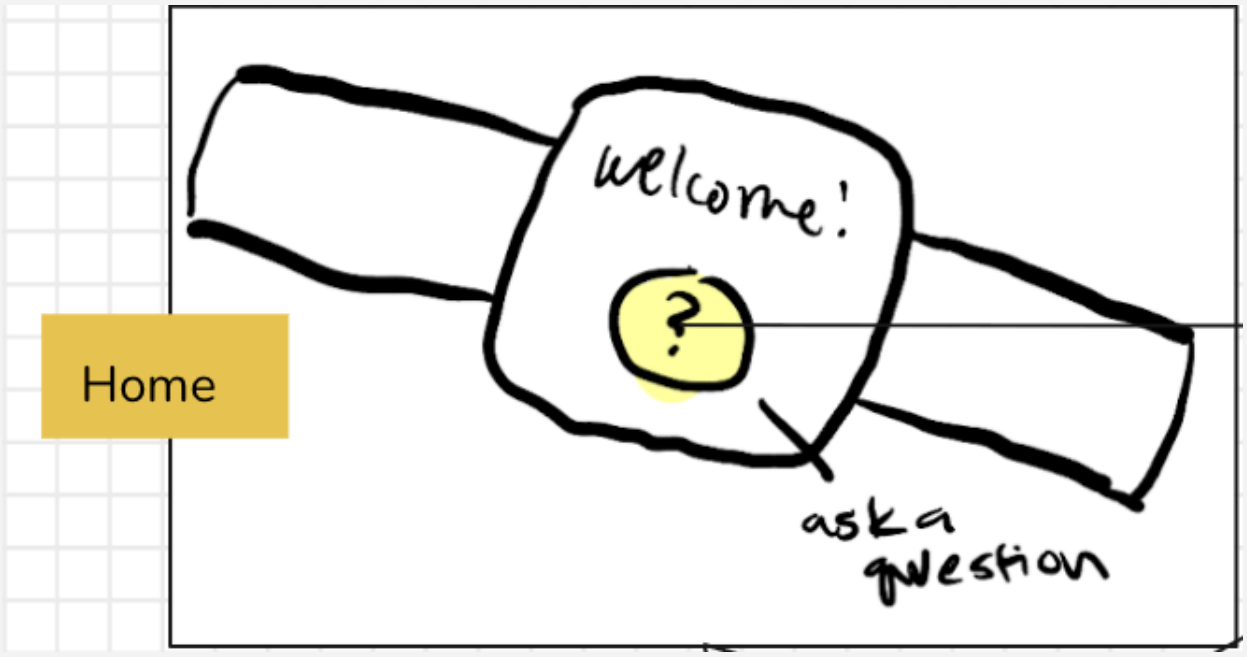
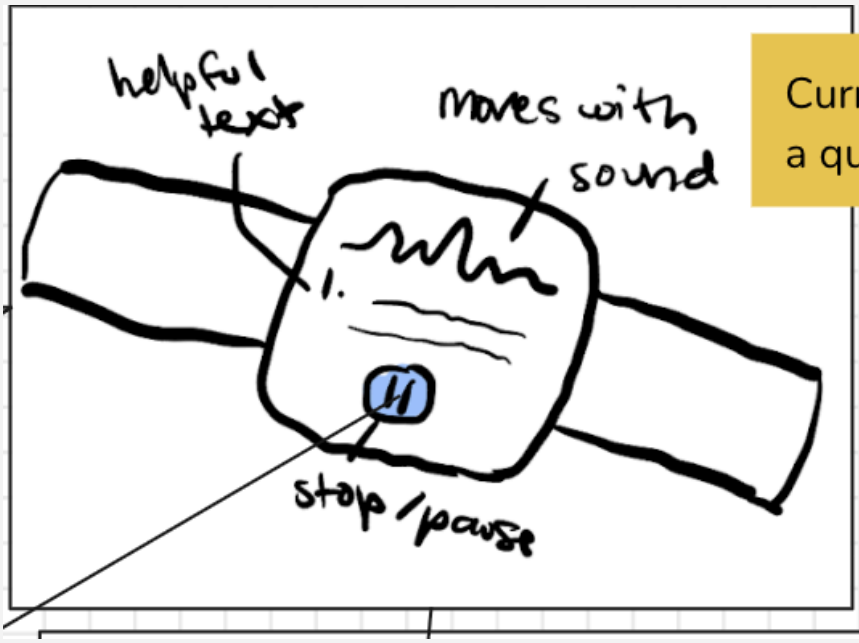
Smart Watch



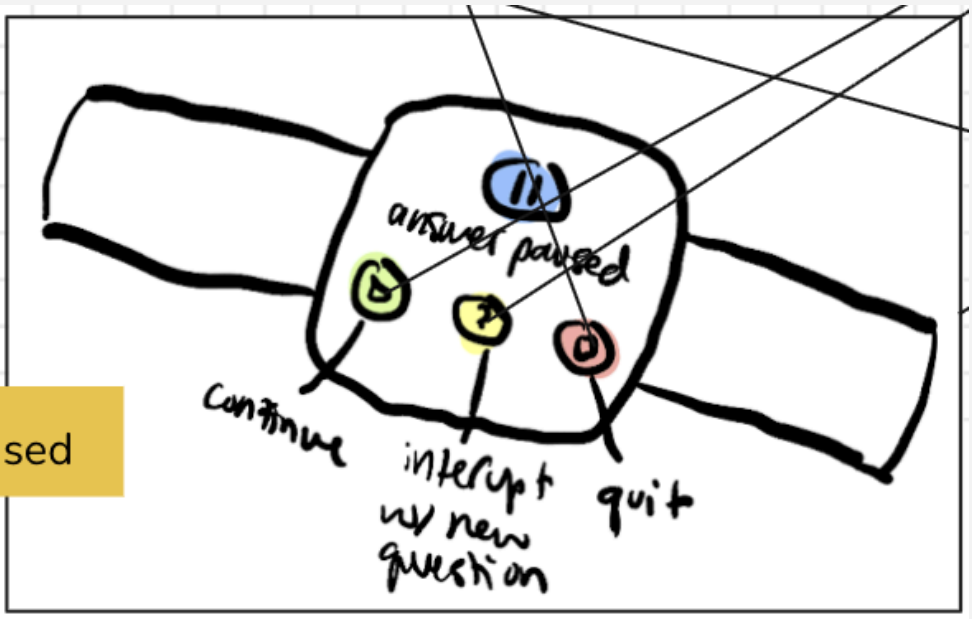


Home

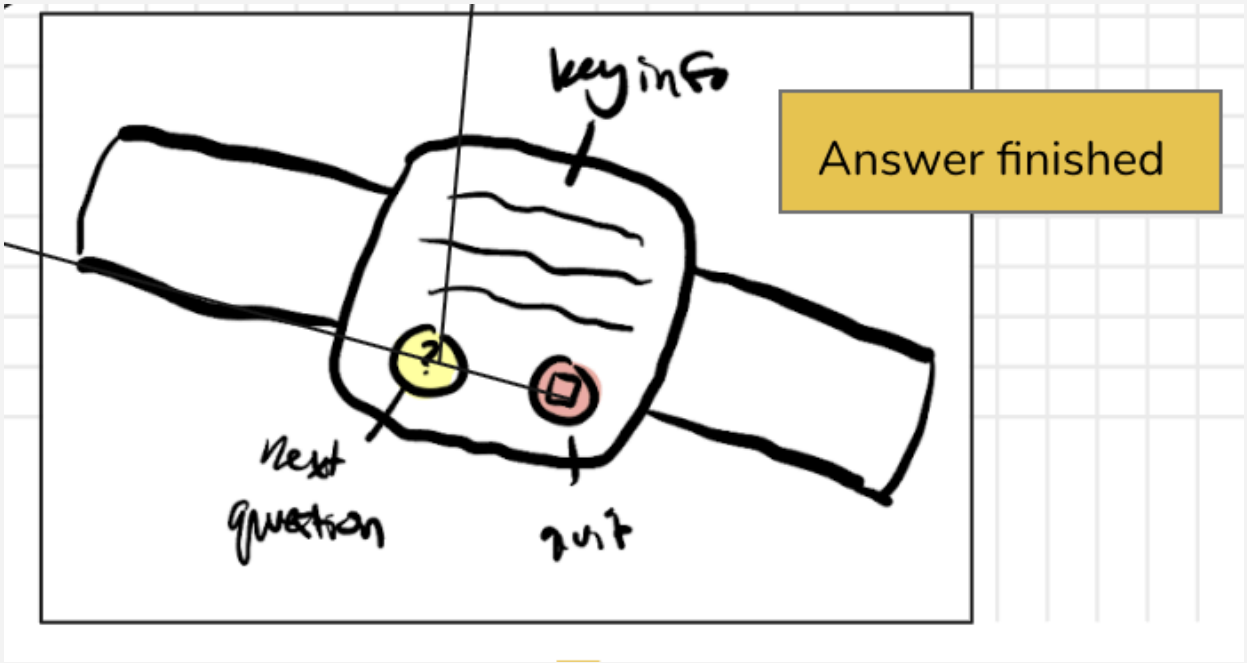


Currently answering a question

Answer paused



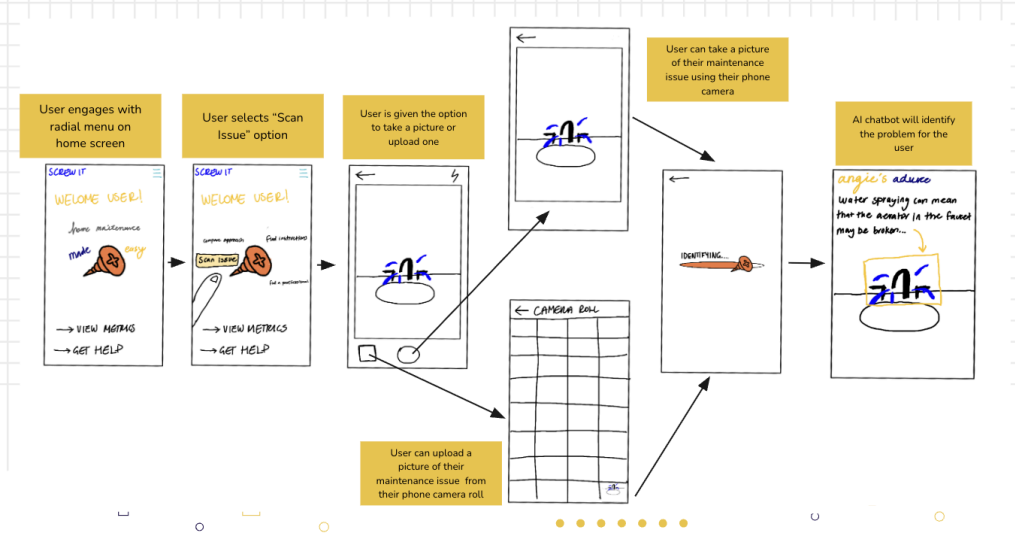
Answer finished

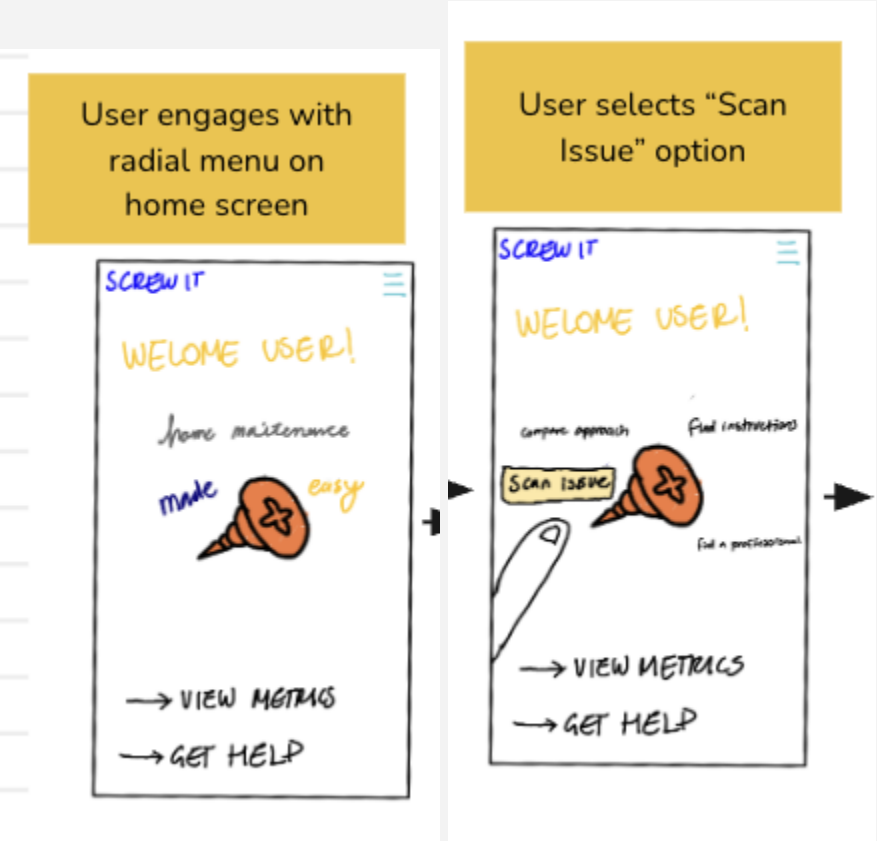


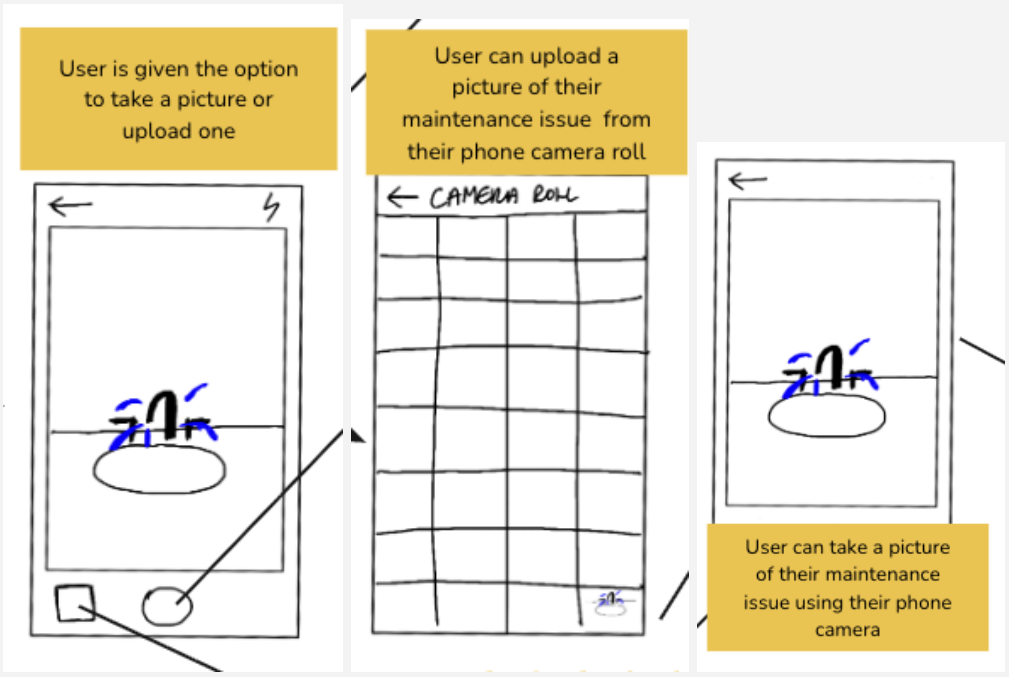
05. LOW-FI PROTOTYPE

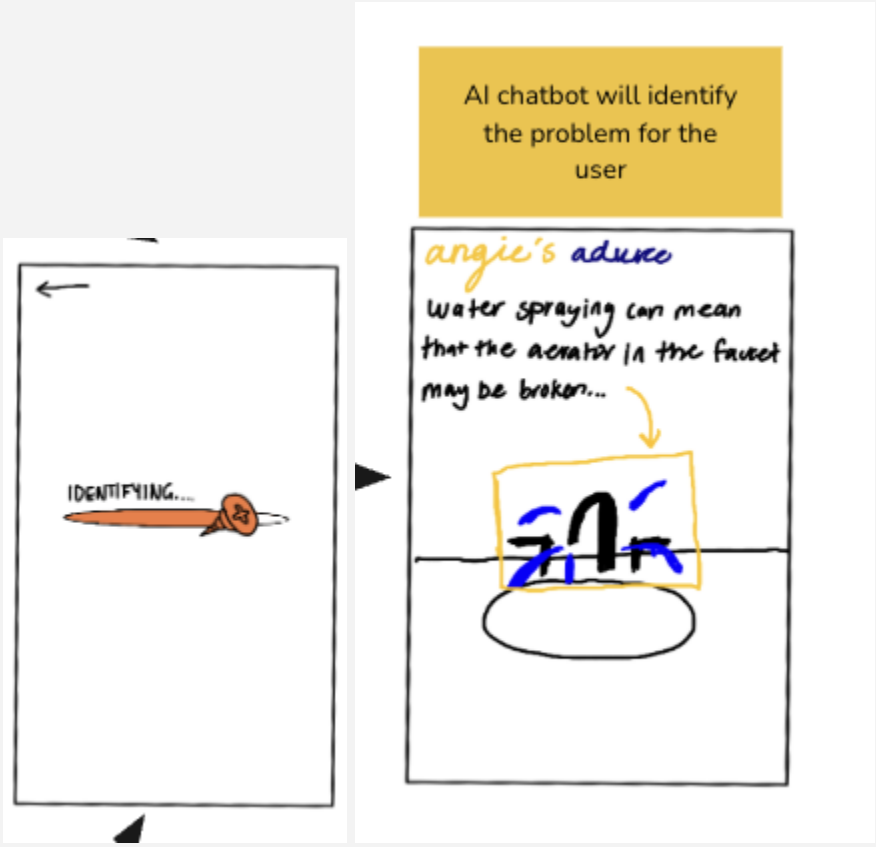
06. TASK FLOWS

Simple: The user can upload or take a picture to identify the maintenance issue.

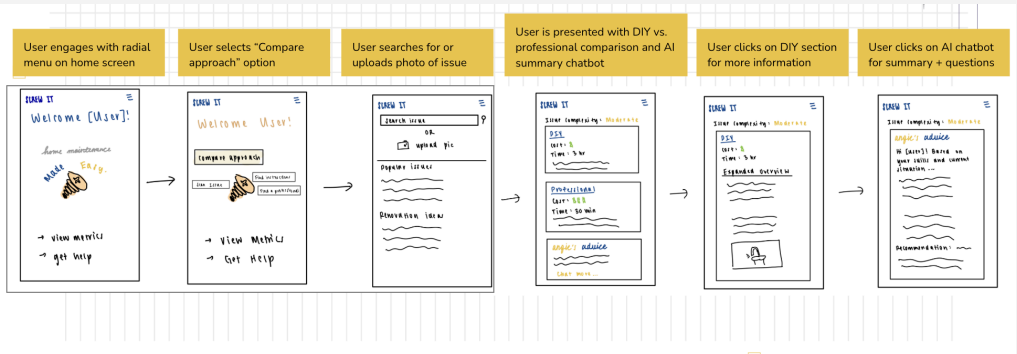

User engages with radial menu on home screen
User selects "Scan Issue" option
User is given the option to take a picture or upload one
User can take a picture of their maintenance issue using their phone camera
AI chatbot will identify the problem for the user
User can upload a picture of their maintenance issue from their phone camera roll
SCREW IT
WELCOME USER!
home maintenance
make
easy
→ VIEW METRICS
→ GET HELP
CAMERA ROLL
IDENTIFYING...
angie's advice
Water spraying can mean that the aerator in the faucet may be broken...

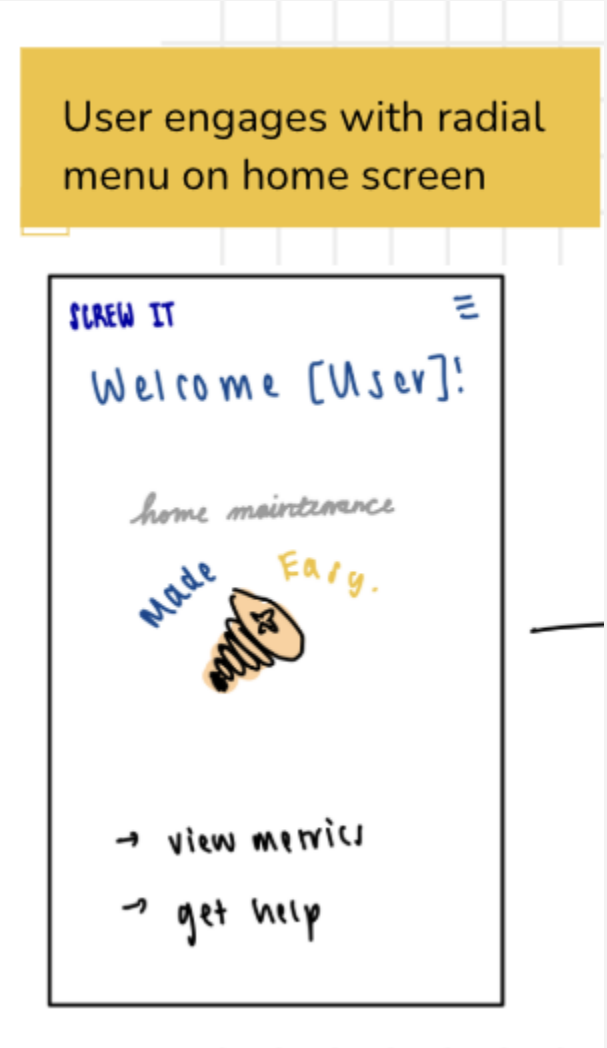

User engages with radial menu on home screen
User selects "Scan Issue" option
SCREW IT
WELCOME USER!
home maintenance
make
easy
→ VIEW METRICS
→ GET HELP
compare approach
find instructions
Scan Issue
find a professional
→ VIEW METRICS
→ GET HELP





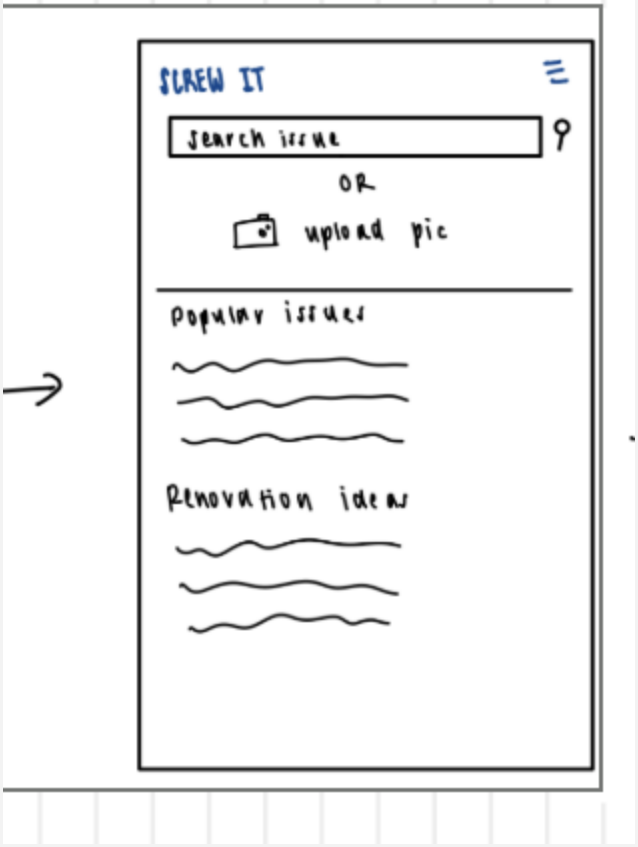
Moderate: The user can compare the DIY and professional solutions.


User engages with radial menu on home screen
User selects "Compare approach" option
User searches for or uploads photo of issue
User is presented with DIY vs. professional comparison and AI summary chatbot
User clicks on DIY section for more information
User clicks on AI chatbot for summary + questions

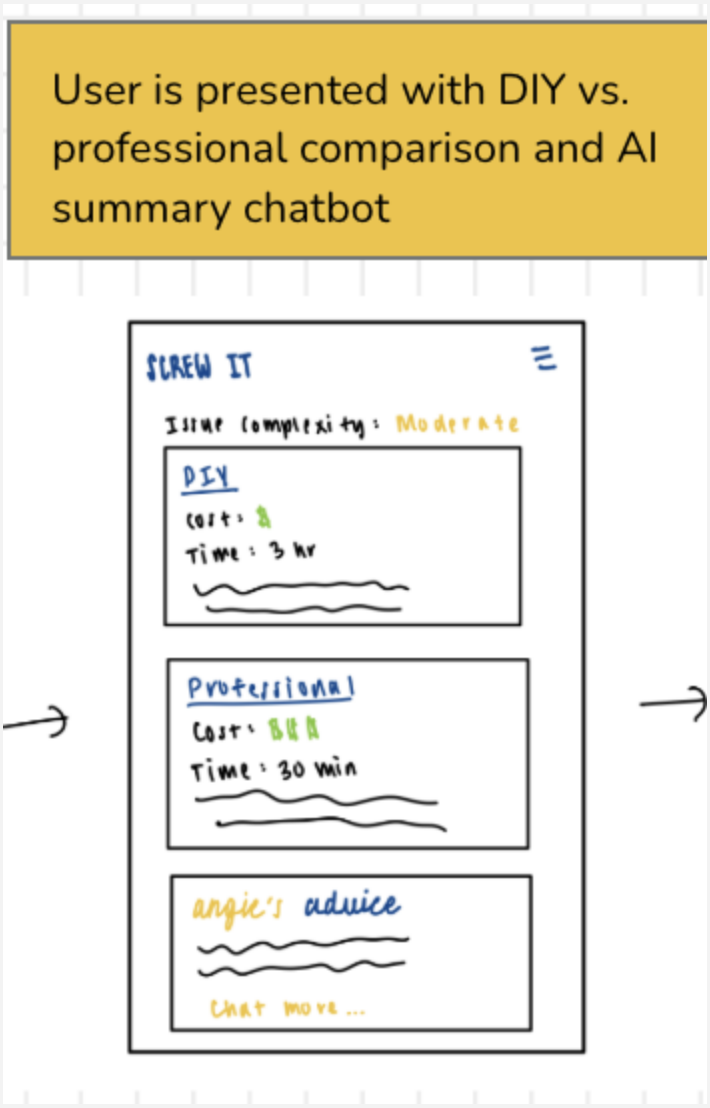

User engages with radial menu on home screen
SCREW IT
Welcome [User]!
home maintenance
Made
Easy.
→ view metrics
→ get help

User selects “Compare approach” option

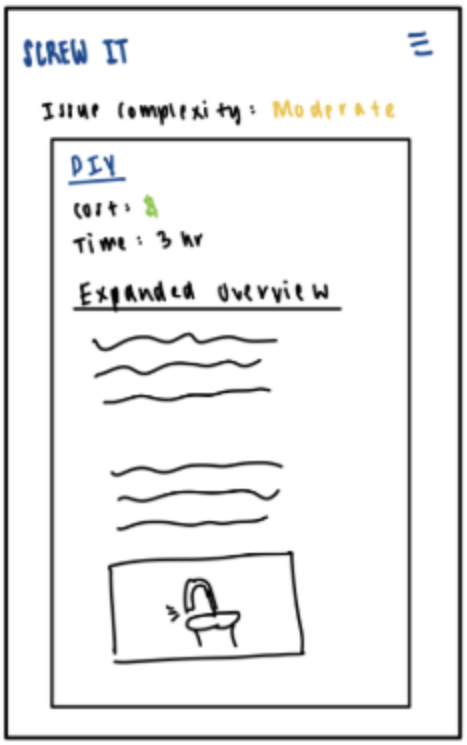
User searches for or uploads photo of issue

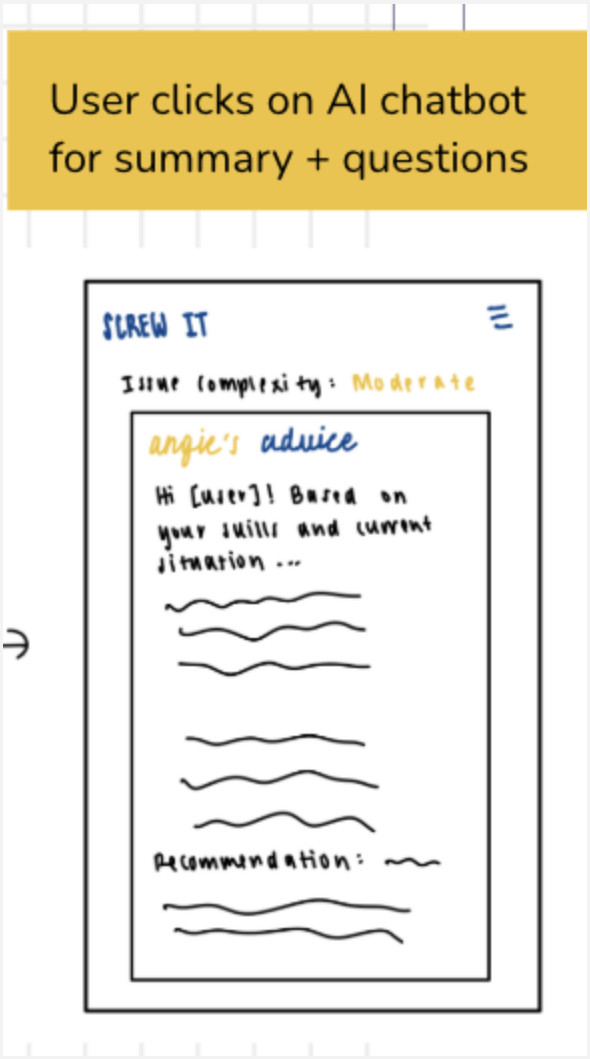


User is presented with DIY vs. professional comparison and AI summary chatbot

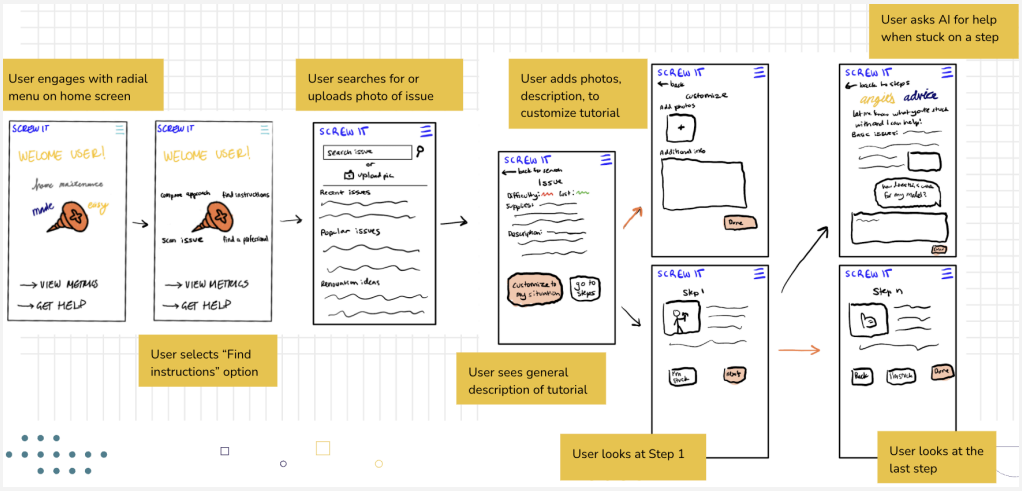


User clicks on DIY section for more information





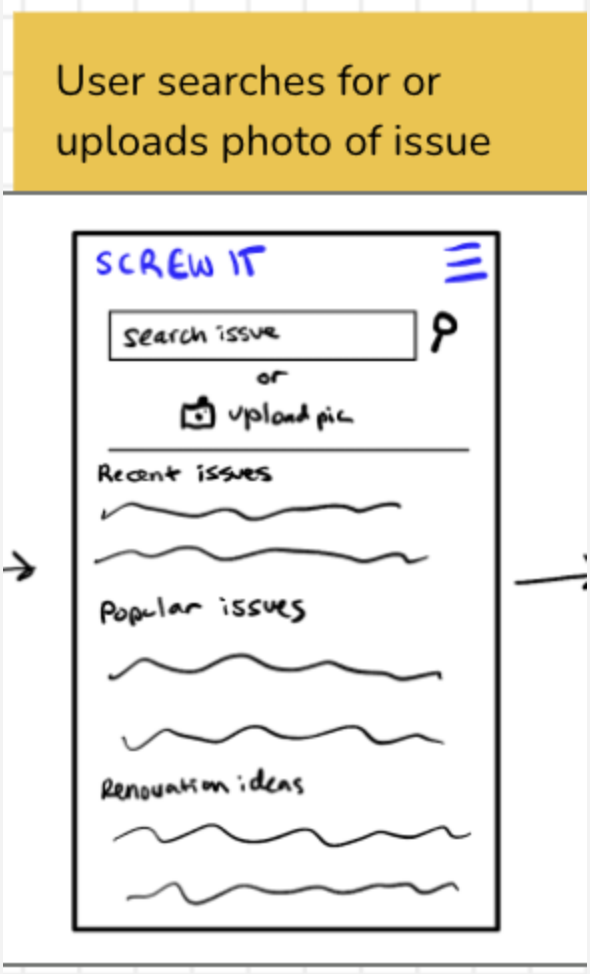
Complex: The user can learn how to fix the home maintenance issue.

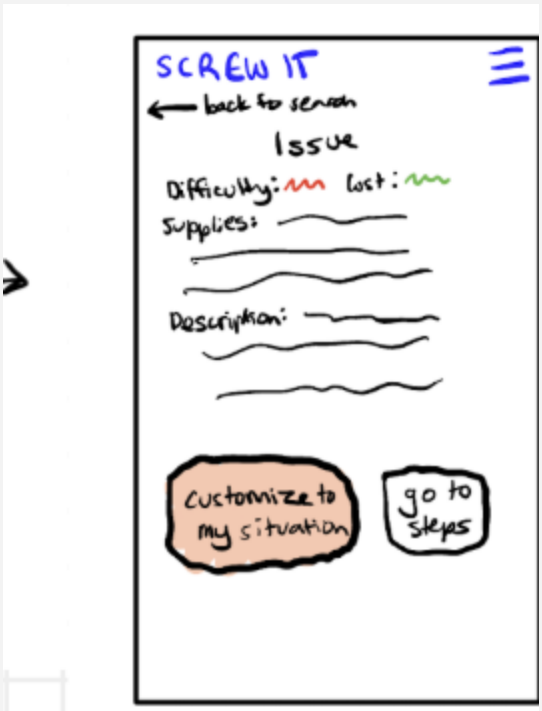


User engages with radia menu on home screen

User selects “Find instructions” option

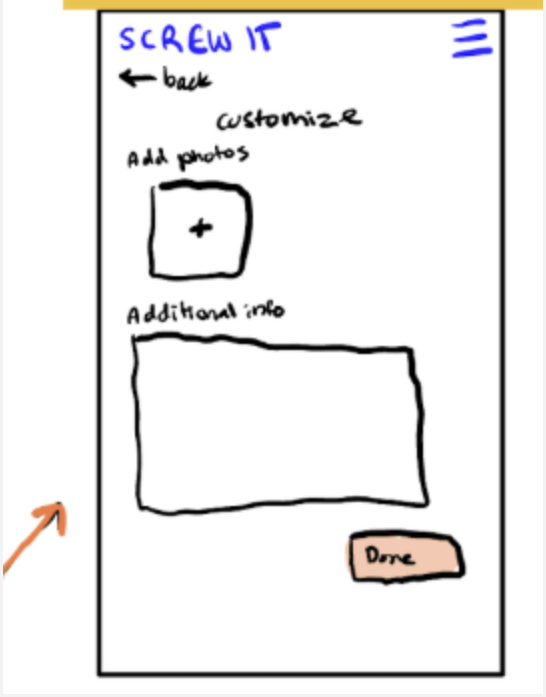
User searches for or uploads photo of issue





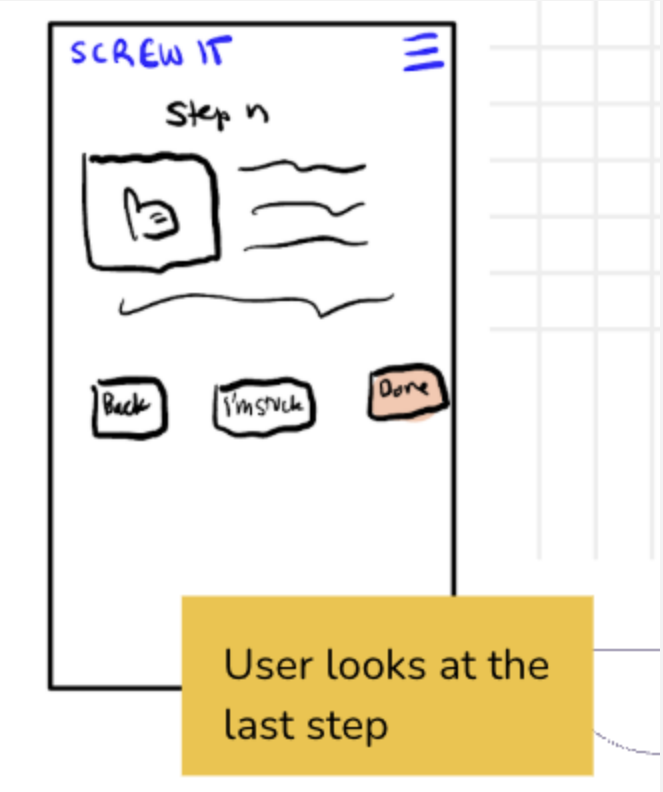
User sees general description of tutorial

User adds photos, description, to customize tutorial



User looks at Step 1

User asks AI for help when stuck on a step


SCREW IT
Step n
Back
I'm stuck
Done
User looks at the last step