Medical Pill Dispenser Project

Vision (Why)

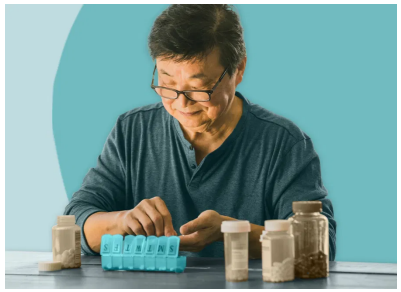
The engineering team is assigned to develop a connected embedded system for medical pill dispensing.
The primary audience are seniors (age 60 or older) and adults who need management of medication delivery and schedules.
The goal is a one-year product delivery into the market.

Requirements (What)

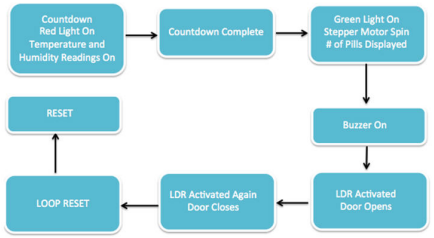
The device can be locally configured and managed through an embedded UI, but can also be monitored and updated remotely by authorized users via an internet connection to a cloud-based application.
The device will remind users about scheduled times to take medication and will physically dispense medication for pick up into a monitored receptacle that can confirm medication being removed from the device.
The device will also monitor medication counts and remind users of needs for refills, with optional automatic pharmacy notifications.

Design Principle (How)

Balance



Ease of Use



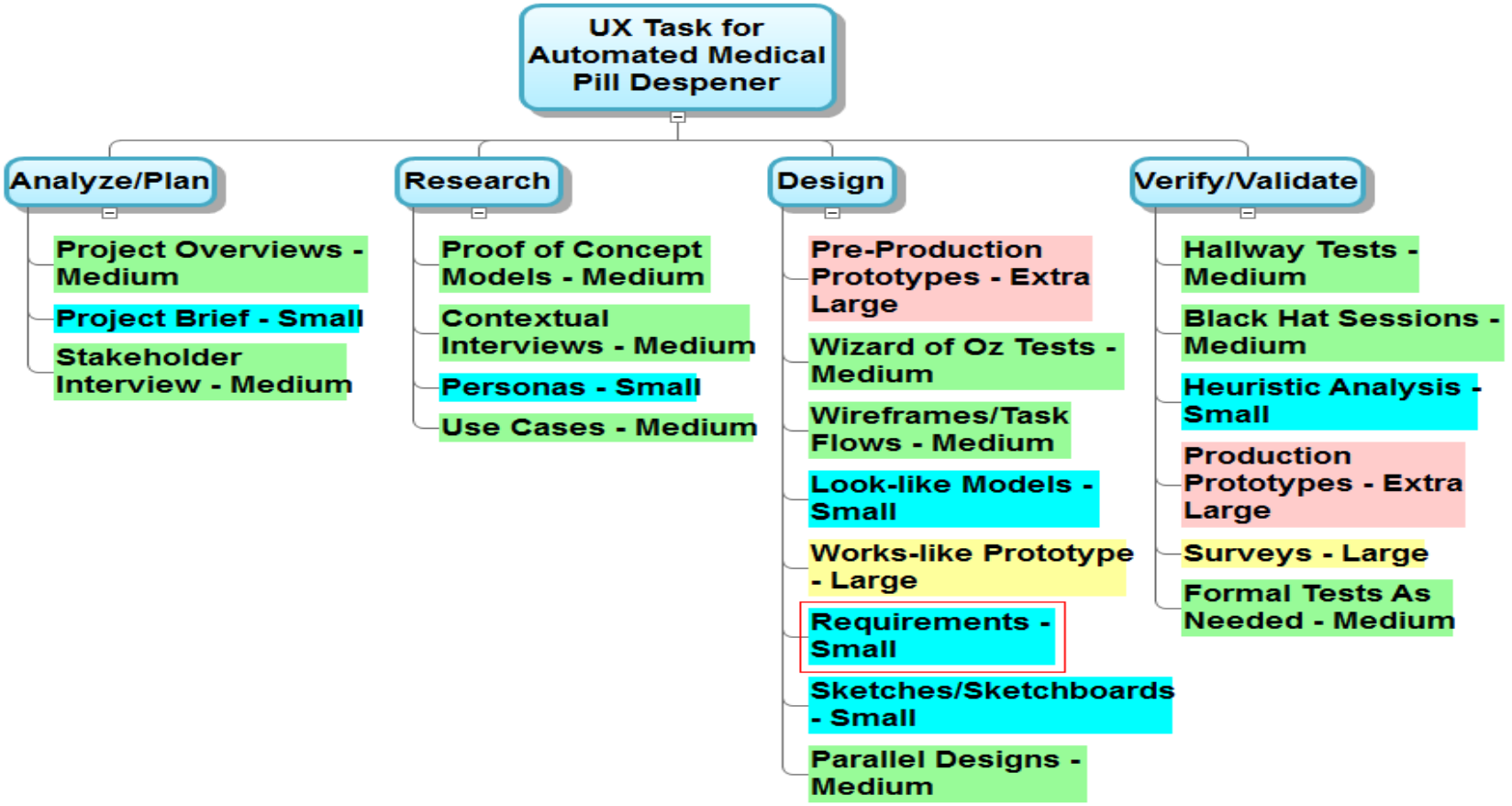
Agile Approach

Team Members

Glenn Frey Olamit - Technical Lead/UX Architect
Kimi Magtuman - Product Manager/Owner
Boogie Wonderland - Hardware Developer
San Tsu - Firmware Developer

Schedule

Market Release - November 23, 2022



Low = (6X.5)+(11X2)+(2X4)+(2X6) = 45 days
High = (6X1)+(11X3)+(2X5)+(2X7) = 63 days
Average Estimate = (45+63)/2 = 54 days