

# REFLECTIONS



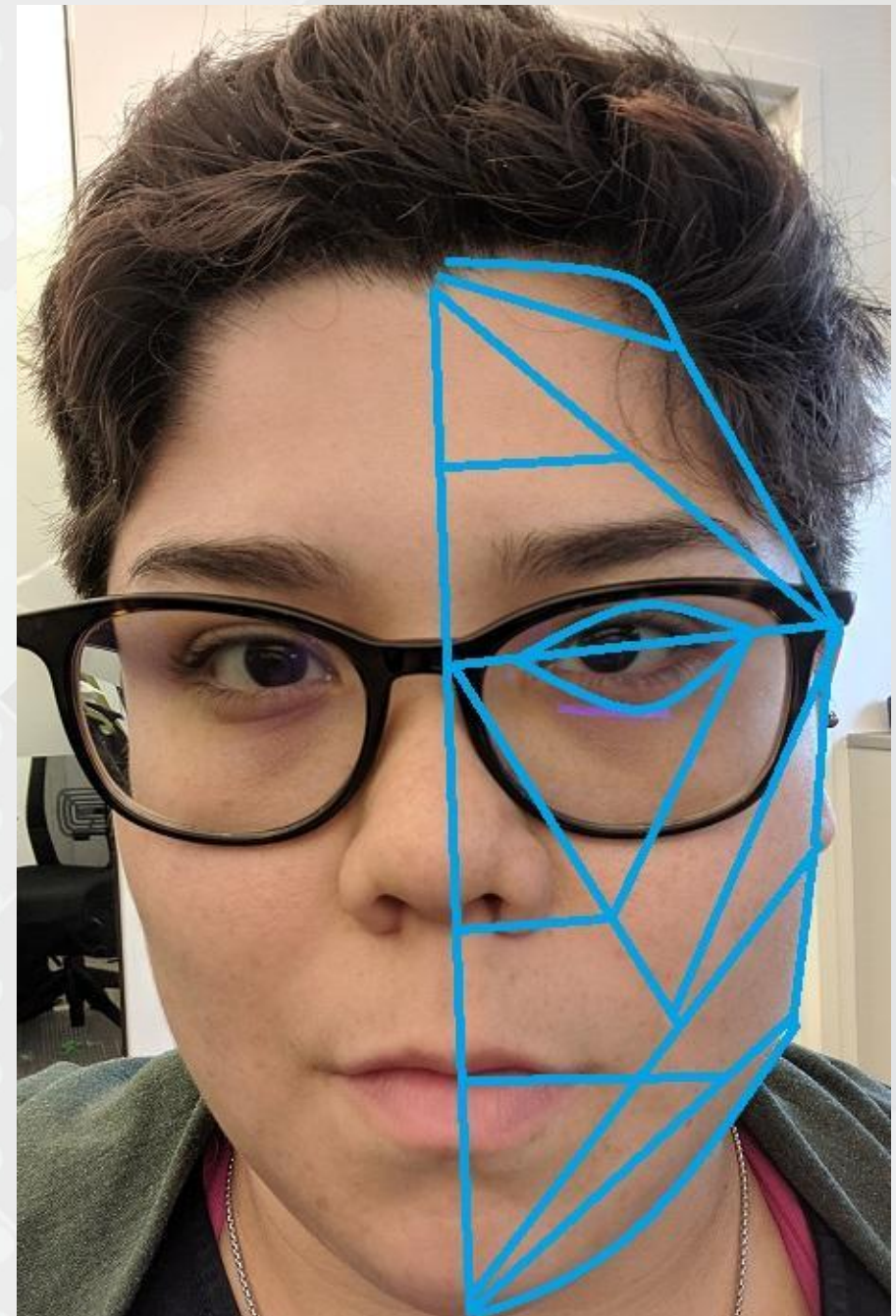
**HACKVIE 2019**  
**InnovationNation**

# The Problem: Managing Polychronic Households

# Our Solution: Reflections

Reflections is a **smart mirror** that is triggered using **facial recognition** to **automatically** display a patient's medical reminders. It seamlessly **integrates** into the patients' daily routine with its **non-invasive** approach.

Reflections also prompts the user to **verbally** answer **symptom evaluations** for regular physician visits and clinical trials.





# The Scenario: Polychronic Household

Imagine these patients who live in a **polychronic household**...

## Abbi

26 year old female

Patient for **Clinical Trial**

- **Diagnoses**

- Uterine Fibroids

- **Medication**

- Orilissa 200 mg twice daily

## Vinny

52 year old male

Patient for **Commercial Use**

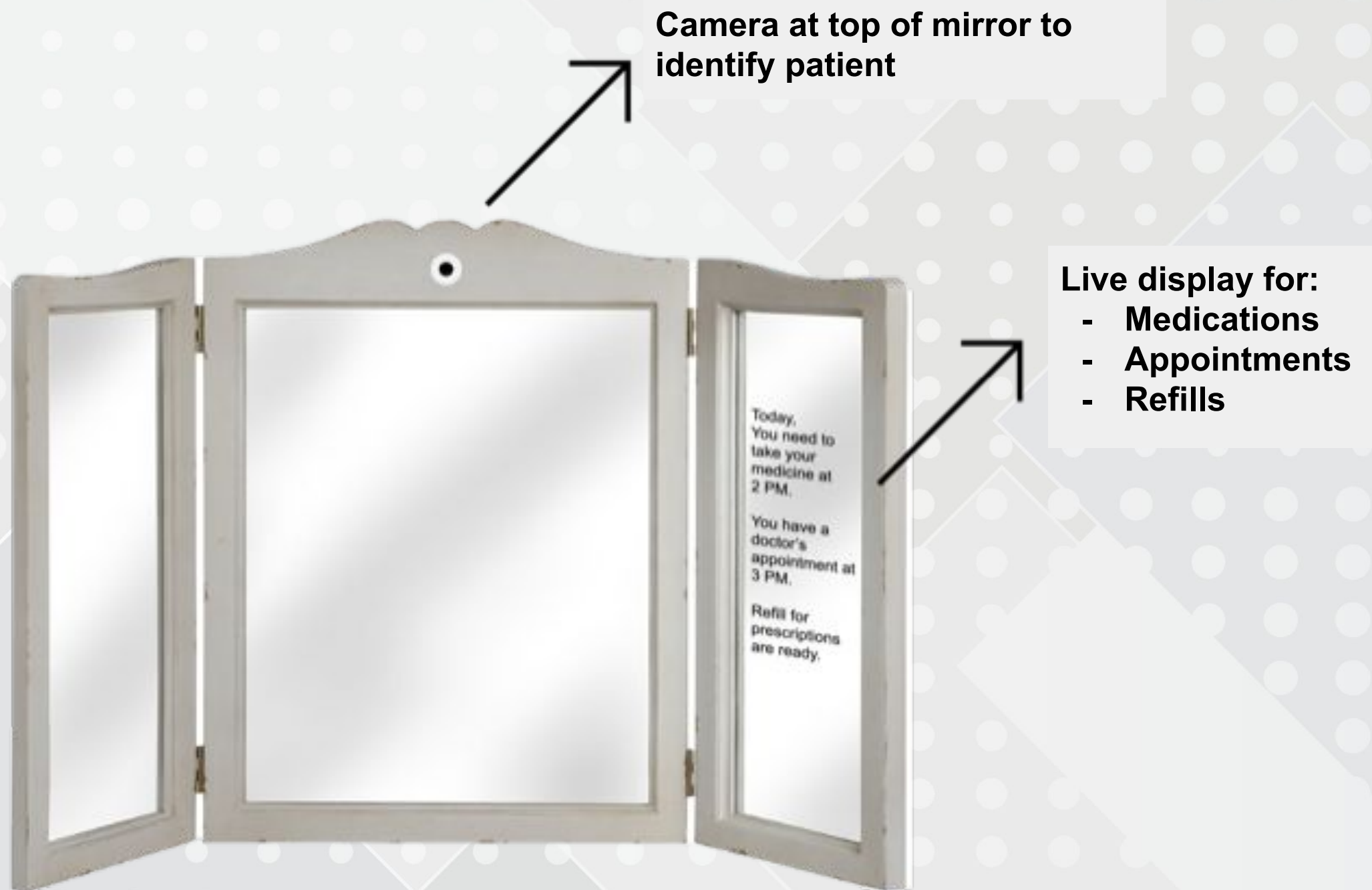
- **Diagnoses**

- HepC
- Severe Plaque Psoriasis




- **Medication**

- Skyrizi 150 mg injection every four weeks
- Mavyret 3 pills once per day with food

# The Prototype



# Value Added for Stakeholders

| User-Centered Solution  |   |  |
|---|---|--|
|  <p><b>Patient</b></p> <ul style="list-style-type: none"> <li>● Automatic, non-invasive reminders</li> <li>● Seamless integration into existing morning routine</li> </ul> |  <p><b>Provider</b></p> <ul style="list-style-type: none"> <li>● Daily stream of symptom evaluations from patients</li> <li>● Improved drug compliance</li> <li>● Data organized in a centralized dashboard</li> </ul> |  <p><b>AbbVie</b></p> <ul style="list-style-type: none"> <li>● Higher evaluation response rate from clinical subjects</li> <li>● Improved drug compliance</li> <li>● Blinded data organized in centralized dashboard</li> </ul> |

# Patient Dashboard

Dashboard Used for Clinical Trials

Dashboard Used for Care Providers

ABBVIE'S PORTAL

Home

PATIENT DASHBOARD

CLINICAL STUDY INFORMATION

Study Type: Phase III Clinical Trial

Drug in Study: Orilissa

Medical Condition or Disease in Study: Uterine Fibroids

Trial Number: 5

Primary Purpose: Treatment

PATIENT INFORMATION

Participant Number: 98

Gender: Female

Age: 26

Weight: 140 lbs

Height: 5'4"

Medical Condition or Disease: Uterine Fibroids


Allergies: N/A

DOCTOR'S PORTAL

Home

PATIENT DASHBOARD

PATIENT INFORMATION



Name: Vinny

Gender: Male

Date of Birth: 10/14/1969

Weight: 190 lbs

Height: 5'9"

Allergies: N/A



# QUESTIONS?



## Product Highlights

- Facial Recognition
- Audible reminders of medical information for each day
- Use and customization of existing non-UI technology
- Customizable for healthcare professionals
- Non-invasive

## Other area of possible applications

- Daily journaling of emotional state sent to a mental health professional
- Clinical and commercial implications
- Non-invasive reminders for Alzheimer's patients
- Integration with Pharmacies





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