



High-Fi Milestone

Studio: Home 9:30 Section
Yinglan Ma, Mohana Prasad, Allen Zhao

1

Team Value Proposition

Start EVERY day on a high note

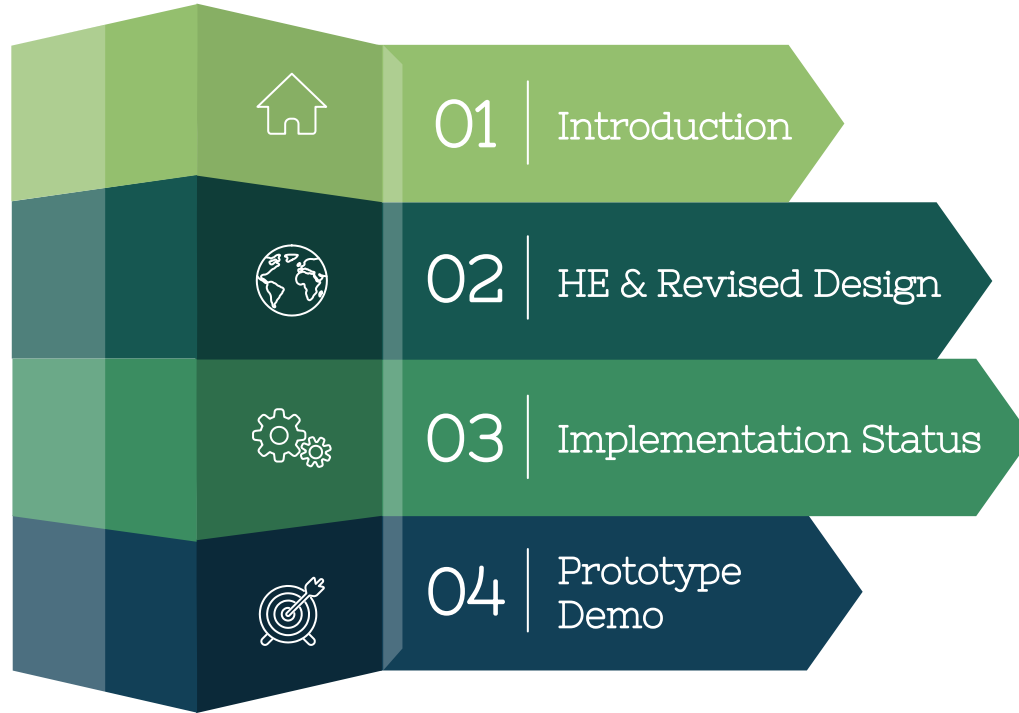


Intro to Problem & Solution

These days, many people spend hours at work, only to come home drained and exhausted. Our goal is to bring back energy into everyone's home lives.

Why not add background music to your life? Be the star in your own movie.

OVERVIEW



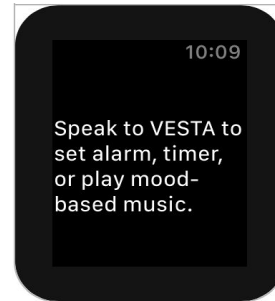
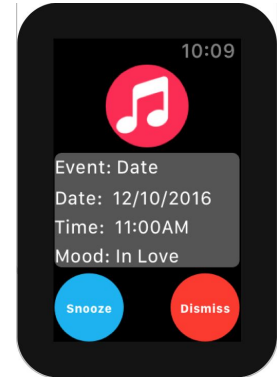
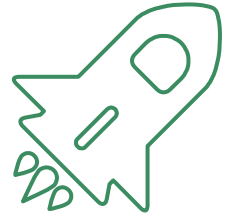
2

Heuristic Evaluation Results & Revised Design



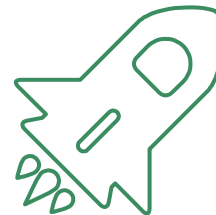
Most Severe HE Issues

- Task flow surrounding the mood-based music is very confusing and clunky (level 4)
- Event notification had clickable music icon to return to home page; this was confusing (level 3)
- Help button takes up too much screen space (level 3)

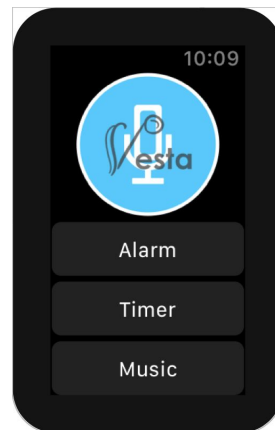




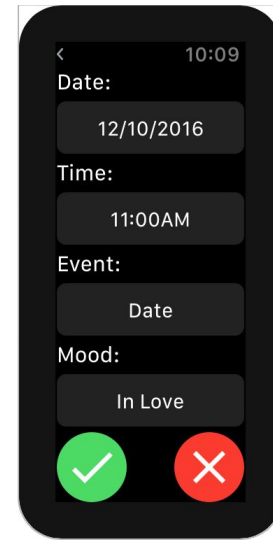
Other HE Issues



- Task icons were a bit clunky and would not scale well with the addition of tasks



- Back buttons took up too much screen space and were missing on some crucial pages



3

Implementation Status



Implementation Status

- **Tool used:**

Xcode + Swift 3 + WatchKit

- **Wizard of Oz:**

Speech recognition:

- User input
- Task selection

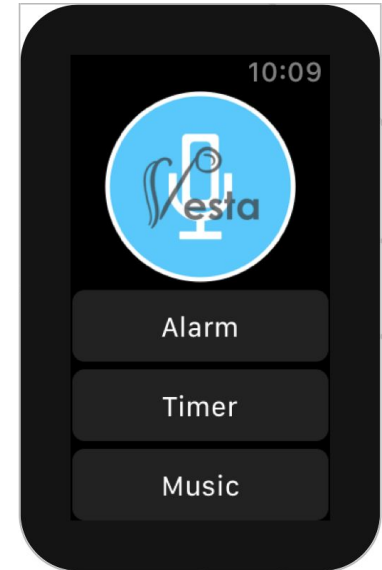
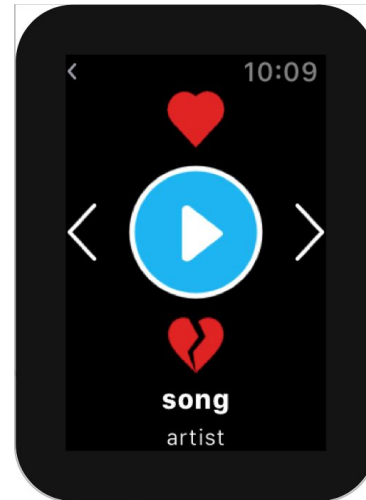
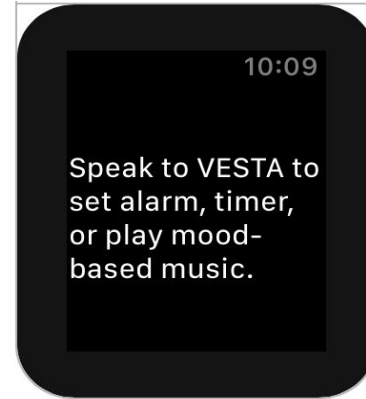
- **Hard-coded Data:**

- User input through voice
- Music imported
- Timer for notification



Implemented Features

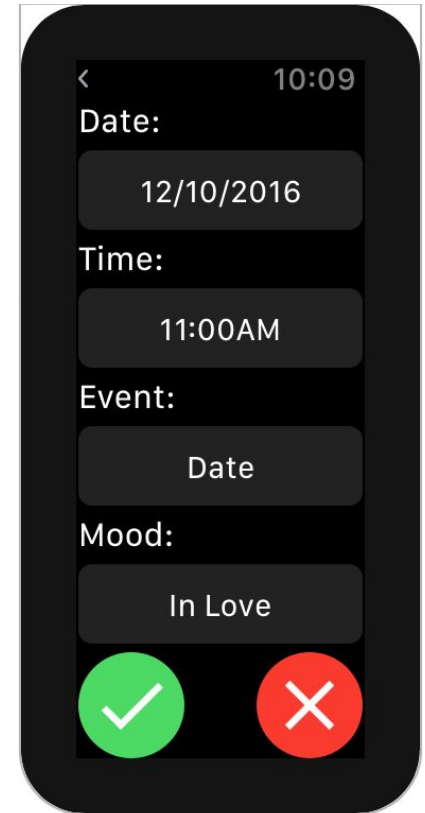
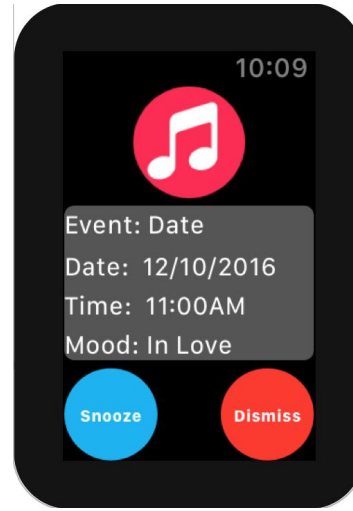
- General:
 - Music player
 - Force press help screen





Implemented Features

- Task 1:
 - Create event alarm
 - Edit existing event alarm
 - Alarm notification
 - Interaction with notification





Unimplemented Features

- **Task 2: chore timer:**
 - Chore notification
 - Music timer
 - Resource usage feedback
- **Task 3: mood-based music**
- **General:**
 - Setting button on homepage for music import
 - Playlist in music screen



Implementation Status

- **Issues:**
 - Limited design space on wearable devices.
 - Limitations on WatchOS: notification, music playing, speaker, gesture, etc.
- **Questions:**
 - Detect mood based on pulse, body temperature? Or simply based on user's voice input (eg. "Vesta, play some happy music").

4

Prototype Demo

SUMMARY

- Incorporated feedback from Heuristic evaluation assignment
- Workarounds due to limitations of watchOS
- Decided on next steps



THANKS!

Any questions?