

PULSY

THE AI ADVISOR FOR WEARABLE DEVICES

Get personalized, actionable insights inspired by health experts like Andrew Huberman



AGENDA

1

Who is this built for?

2

Why current solutions aren't cutting it?

3

Architecture Layout

4

Object Oriented Design

5

Lessons Learned + Future Improvements

WEARABLE DEVICES



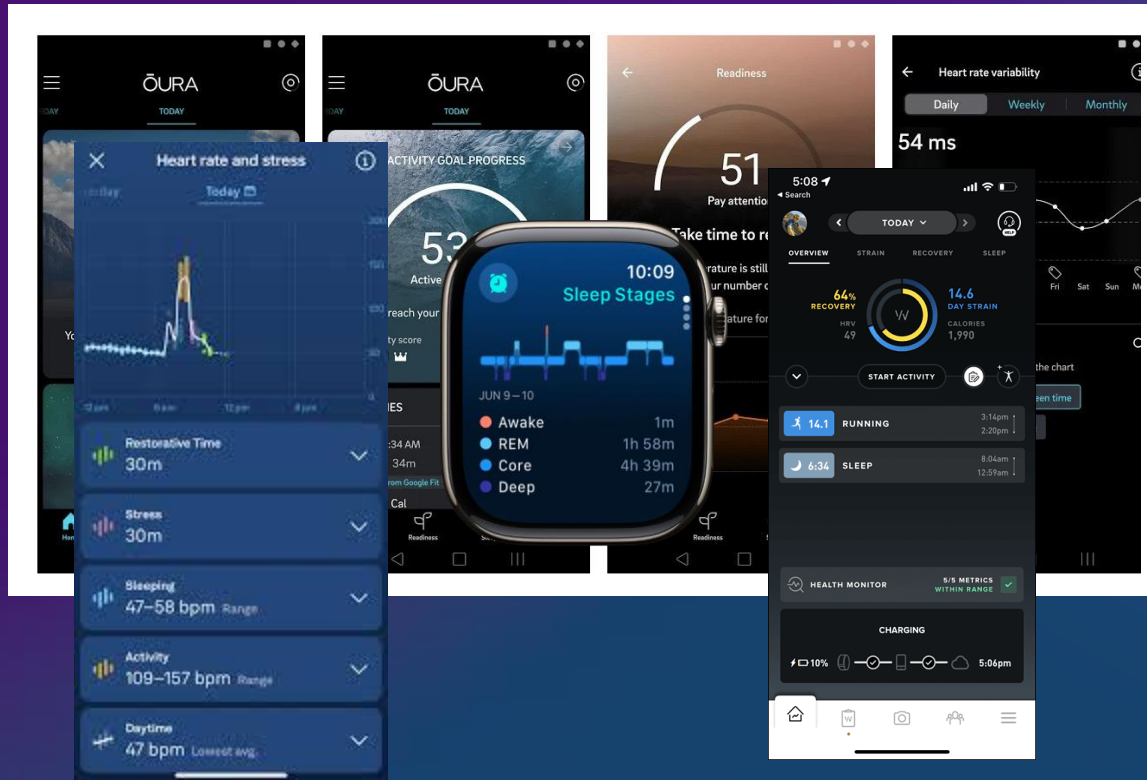
Oura Ring



Apple Watch

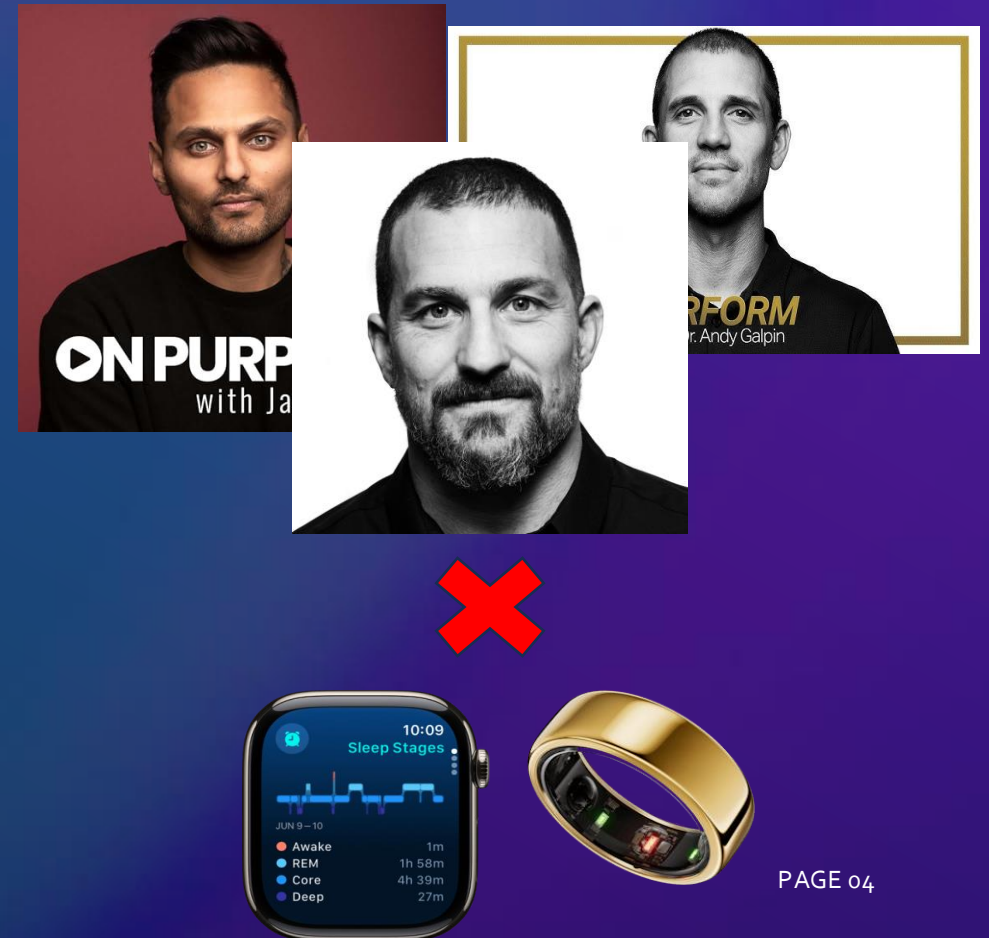
WHY CURRENT SOLUTIONS AREN'T CUTTING IT

Difficult to Contextualize



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Disaggregated Information



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WHO IS THIS BUILT FOR?

Action – Based Users



Domain Expertise
Actionable Insights
Trusted Sources



Sleep Score
Sleep Score Contributors
Stress Scores
Heart Rate Variability



Pulsy

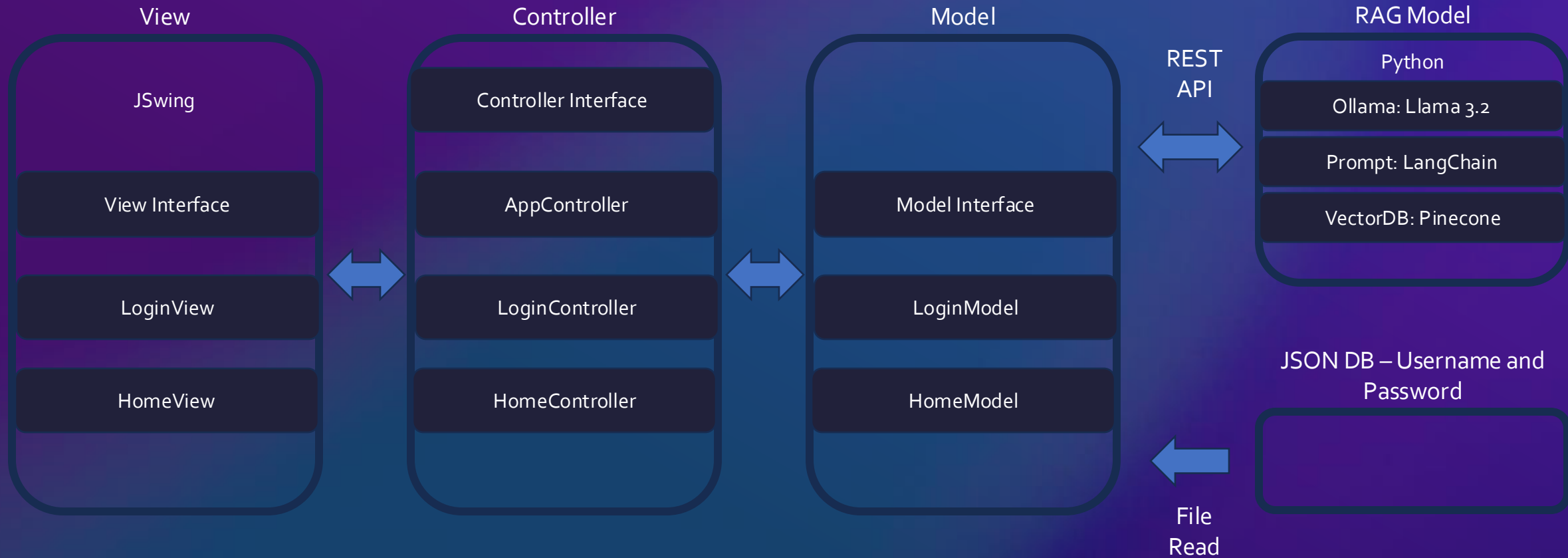
Summary of Latest Wearable Device Metrics

Explanation of potential contributors

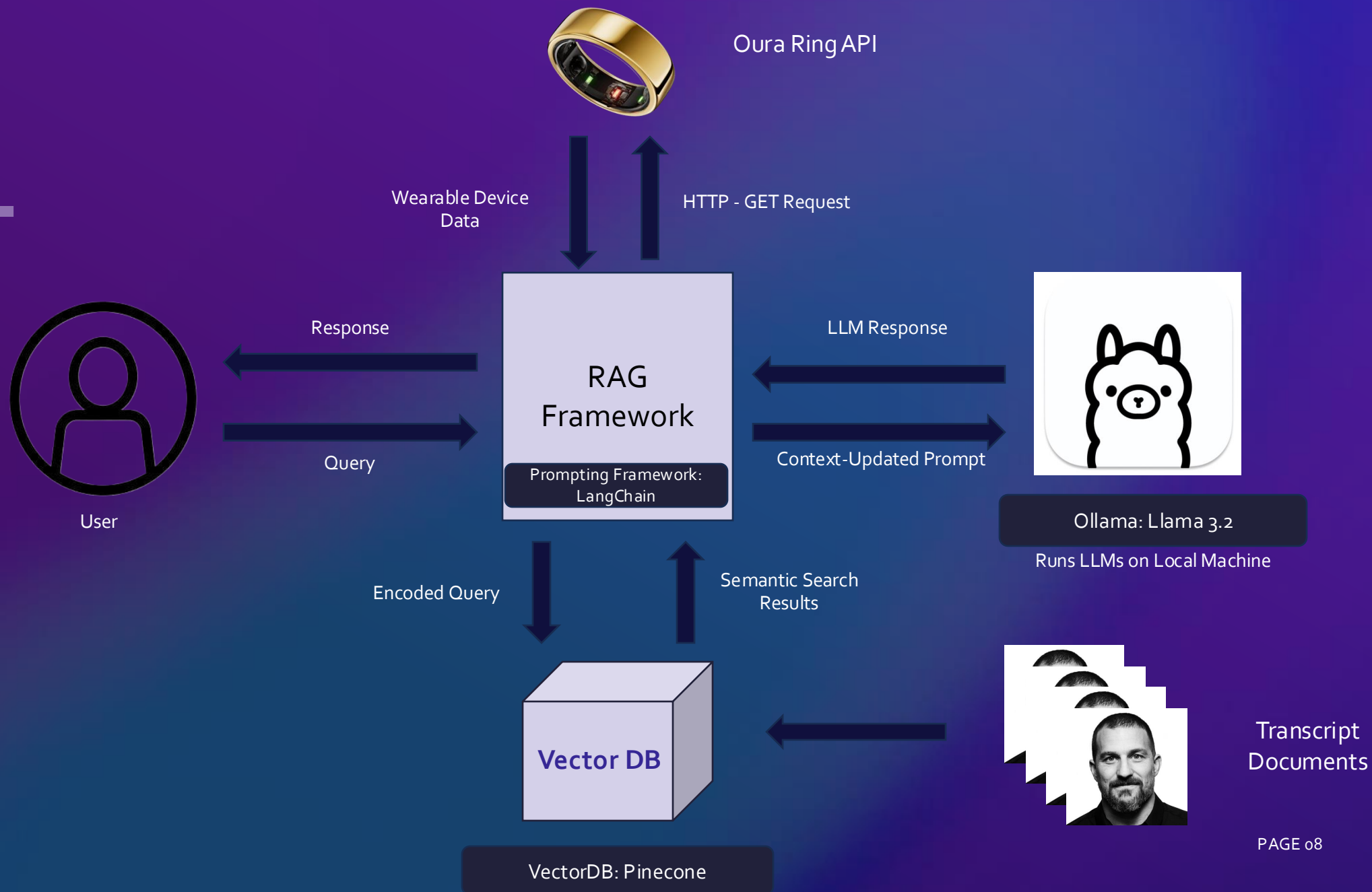
Insights from Andrew Huberman +
others

DEMO

APP LAYOUT

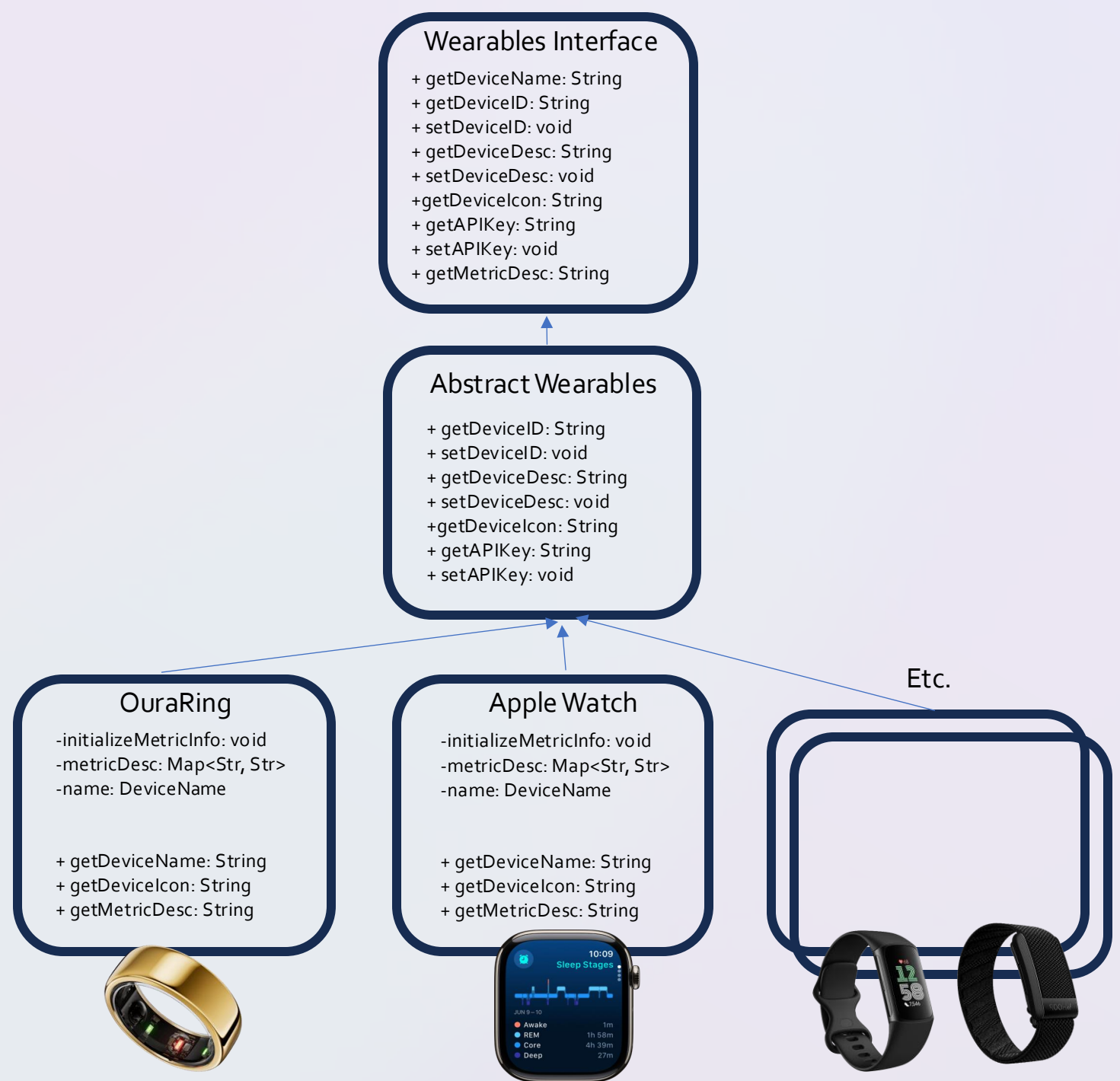


RAG



OOP PRINCIPLES

- MVC
- Inheritance
- Abstraction



LESSONS LEARNED

1

Planning: Always Draw out the application architecture before starting to code

2

Work "Under the Hood" - Simply plugging in an open-source LLM is not sufficient for providing a quality experience

3

Modularity: Think about modularity of different architectural blocks – how can I ensure that if I have a new version or new medium – I don't need to change anything else

FUTURE EXTENSIONS

Unfinished Dev Work as of
4/21

1. User Profile Set/Edit
Page
2. Device List add page
3. Passing of user profile
into the context query

1

Build a more advanced language
model

2

Shift the UI to web based – for a more
modern user experience

3

Build out integrations with ALL the
metrics of the Oura Ring + Apple Watch

REFERENCES + CITATIONS

Oura Ring

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- <https://ouraring.com/how-it-works>

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- <https://docs.oracle.com/javase/tutorial/uiswing/layout/visual.html>
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Thank you!