CS342/MED253 Building for Digital Health

Lecture 2a: Introduction to ResearchKit

https://cs342.stanford.edu

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Overview for today

- Creating a Survey with ResearchKit!
- </>
Consent
visual templates with best practices and a transparent process

Surveys
collect feedback and patient-reported outcomes

Active Surveys
measure body activity using iPhone sensors

More
login flows, passcode creation, charts, etc.

motor activities, fitness, cognition, speech, hearing, hand dexterity, and vision
**Consent**
visual templates with best practices and a transparent process

**Surveys**
collect feedback and patient-reported outcomes

**Active Surveys**
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**More**
login flows, passcode creation, charts, etc.
ORKCatalog

Surveys
Form Survey Example
Simple Survey Example
Survey Questions
Boolean Question
Custom Boolean Question
Date Question
Date and Time Question
Height Question
Weight Question
Image Choice Question
Location Question
Numeric Question
Scale Question

Demo
ResearchKit Catalog

Creating Surveys
Active Tasks
Live Code 🥳
let's code surveys & active tasks!
Starter Code on GitHub
https://github.com/cs342

https://github.com/cs342/Lecture2B-Survey-Starter
Follow Along
http://exercise.digital/mighty-vest
Task

Step #1

... 

Step #N

Ask about the patient’s day

Actively test the patient’s balance

Question #1

... 

Question #N
Assignment #3: Consent & Surveys

Creating the base of our clinical research apps.

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Assign a member of your team to be a **Project Manager** — do this soon.

Work towards your **midterm & final deliverables**

Divide & conquer.
Ricky Bloomfield
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Empowering patients through technology at Apple Health. Med-Peds physician & clinical informatician. Jazz saxophonist and swimmer. Most importantly: husband and dad

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