

WEEK 5 DAY 3

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**FOR** 

**OAKLAND UNIVERSITY** 

# PREVIOUS SESSION REVIEW

# QUESTIONS FROM LAST SESSION?



# TERMS TO LISTEN FOR

### Scoping

• Determining tasks relevant to the goals of the project

### Scope Creep

Slow, unexpected widening of the initial scope

### **FUD**

• Fear, Uncertainty and Doubt

### Tech Debt

• Technology that we are responsible to maintain



### RESEARCH PHASE

- Current State
- Business Need
- Possible Solutions

### **CURRENT STATE**

- Why are we having a problem now?
  - Foreseeable or unforeseeable?
    - Lessons learned?
- What about our current technology is lacking?
- What technology do we have in this space now, and how is it working?
  - Complementary solution?
  - Complete rebuild of the space?

### REFLECTING ON OUR ORGANIZATION

- Is this the first time we're adopting the SDLC?
- Is our org healthy?
- Do we need to make any changes before starting?
- How well is our documentation and organization of existing and legacy projects?

### RESEARCHING OUR TECHNOLOGY

- Are we happy with the technology choices we've made so far?
- Can we fold in any lessons learned from our past decisions?
- What's the state of our integrations?

### BUSINESS NEED

- What business problems is this app going to solve?
- How will this software solve that problem exactly?
  - Will any business or revenue needs impact the design the application's operation?
    - If so, how?
- Do we need to integrate with other companies?

### POSSIBLE SOLUTIONS

- You don't need to do this alone!
  - Technology consultants
- Do complete research!

## COMPARE CHART

Criteria	Product 1	Product 2	Product 3
Cost to license	xxx	x	xx
Cost to implement	x	xxx	xx
Ease of use	x	xx	xxx
Features	xx	x	xxx
Ongoing Costs	xxx	xx	xx



# SCOPING

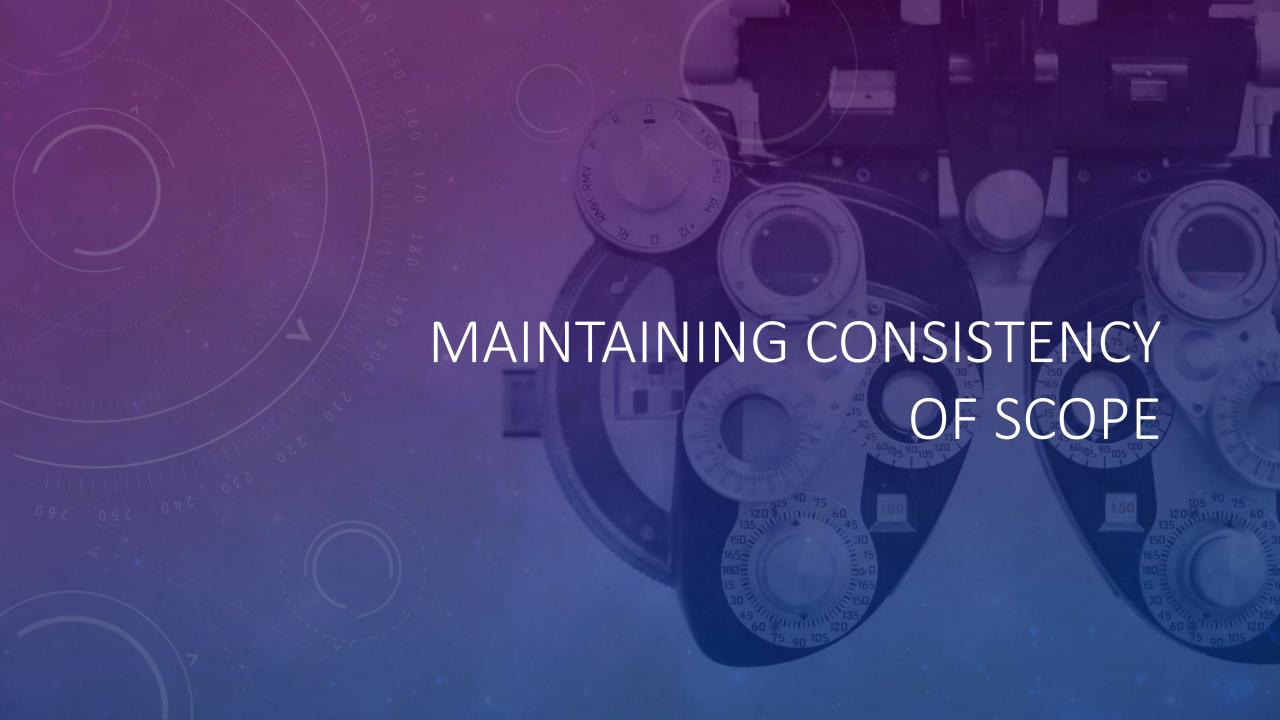
- Scope should be:
  - Clear
  - Narrow/focused
  - Somewhat flexible

### CREATING THE INITIAL SCOPE

- Research
  - Business need + possible solutions = scope

### SCOPE DOCUMENTATION

- What we need in this document:
  - Project summary
  - Project deliverables
  - Out of scope
  - Constraints
  - Assumptions
  - Risks
  - Timeline
  - Budget
  - Criteria for success









### VARIETIES OF SCOPE CREEP

- Squeaking wheels
- Misunderstandings
- "shiny stickers"



# WIDENING SCOPE RESPONSIBLY

### VANILLA ICE SAYS:



### WIDENING SCOPE RESPONSIBLY CONT'

- Be specific about what the new tasks aim to achieve
- Ensure everyone knows an exception has been made
- Document!

# MANAGING ROUTINE WORK

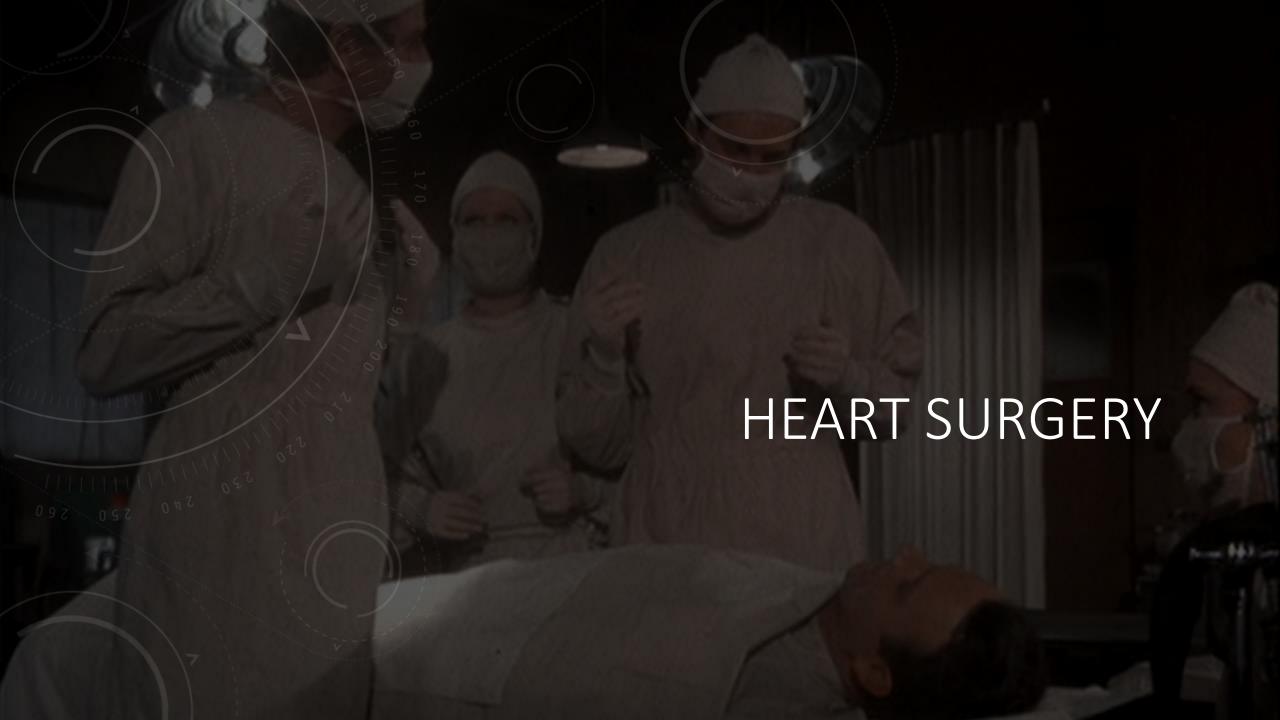
### MANAGING TASK WORKFLOW

- Types of tasks:
  - Routine
  - Simple
  - Complex













### PHASED LAUNCH APPROACH CONT'

- Accurate Planning
- Simplified prioritization
- Clearer team responsibilities
- Transparent Progress tracking w/feature flags
- Reduced scope creep



### PHASED ROLLOUT STAKEHOLDER ORGANIZATIONS



### PHASED ROLLOUT

Scale as you go Build community of evangelists Start marketing early Build proofpoints

Test & Improve





# HOW DOES A PRODUCT PILOT WORK?

- What is a pilot?
  - Launching a smaller version of the end-product
  - Launched to a small group of users
- We do this to learn things we didn't know

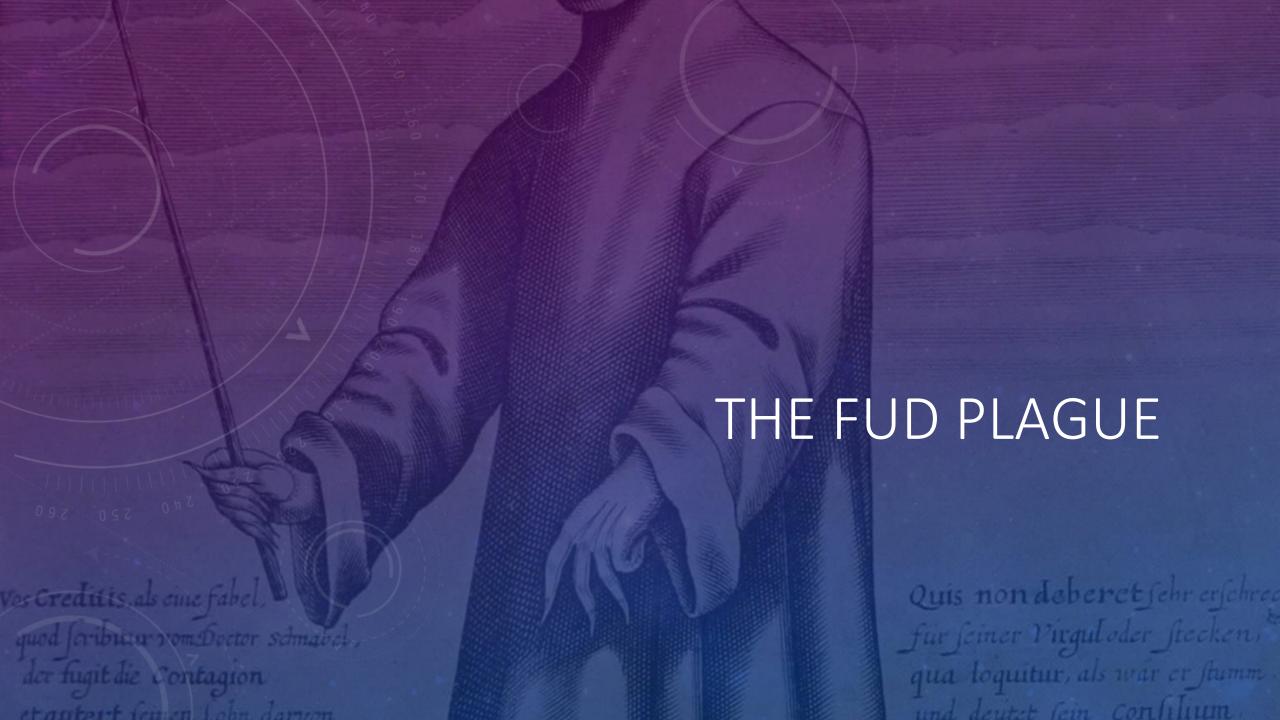


### WHAT IS FUD?

- Fear
- Uncertainty
- Doubt









### POSSIBLE METRIC CONSIDERATIONS

- Key Performance Indicators (KPIs)
- Statistics
  - Closed tickets
  - Commits & PRs
  - Income based measurement?

### STRUCTURING QUARTERLY

• Benefits of structuring around quarterly goals:



### SESSION REVIEW

QUESTION OR CLARIFICATIONS?



# NEXT SESSION PREVIEW

## SEE YOU NEXT TIME!