

Scrum Development Process

UCSB Robotics, Winter 2021 | Alex Mei

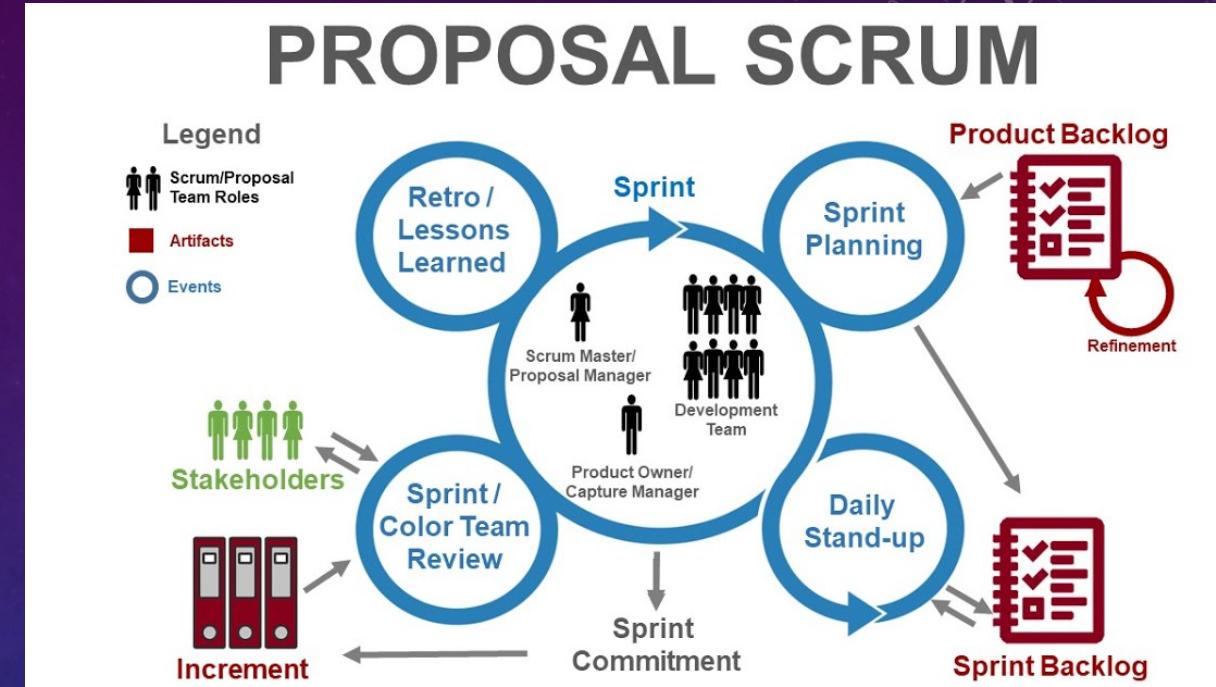
DAILY RUNDOWN

- What is Scrum?
- Why Scrum?
- Scrum Development
- Project Sprint Planning and Sprint 1 Work Time



WHAT IS SCRUM?

- Lightweight framework for Team Collaboration
- Sprint: focused, targeted period of work time
- Daily Standup: short reflection of completed tasks and plan of next tasks
- Review: informal presentation of product to other members of the group
- Retrospective: reflection of sprint effectiveness and adjustments for next sprint



SPRINTS

- 2 sprints, 2 weeks long each
- Each sprint, each person should have 2 weeks worth of work
- At the end of each sprint, there should be a working version of the product



STANDUPS

- At the start of every group session, 15 minutes long
- Each person shares the following:
 - Progress
 - Blockers
 - Today's Plan

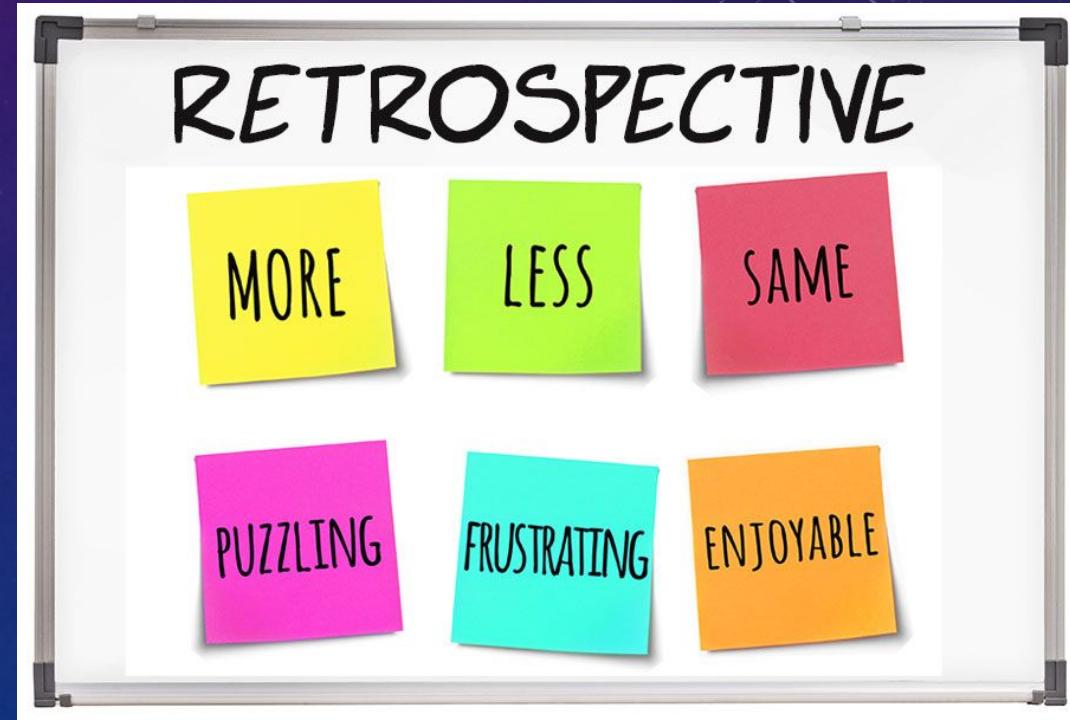


REVIEW

- NO SLIDES!
- Each person informally demonstrates the user stories they have been working on
- Each person's user stories are tested to make sure they comply with design
- Opportunity for members to learn from each other and ask questions

RETROSPECTIVE

- Similar to last quarter's retrospective
- At the end of each sprint, identify the following:
 - What worked well? (continue doing)
 - What didn't work well? (stop doing)
 - New ideas to try? (start doing)



WHY SCRUM?

- Last quarter's main point of improvement: Communication
- Targeted communication and focus for enhanced productivity
- Modern industry standard

WHICH OF THE FOLLOWING IS TRUE AT THE END OF A SPRINT?

- A) A sprint retrospective should occur
- B) A working version of the product should be present
- C) Leadership should change to a new person
- D) Both A and B
- E) All of the above

WHAT IS THE PURPOSE OF SCRUM?

- A) To confine people into a formal legal process and make them do extra work
- B) To micromanage different project groups and allow the lead to micromanage members
- C) To provide a framework for clear and concise communication to boost productivity
- D) To ensure all project groups are following the same standardized procedure
- E) No particular reason, this whole lecture was added in for "fluff"

PROJECT SPRINT 1 WEEK 1

- Sprint Planning: revise design worksheet as needed with new scrum knowledge
- Perform Daily Standup in groups (ideally, document this)
- Set up weekly meeting time
- Project Time! :)

