

TUM

Software Engineering II

Scrum Exercise

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Problem Statement for Scrum Exercise

- Transfer a file from a MacOS X platform to a Windows Platform.
- Do NOT use
 - USB stick
 - WLAN
 - Wired Ethernet
 - Retyping of the file



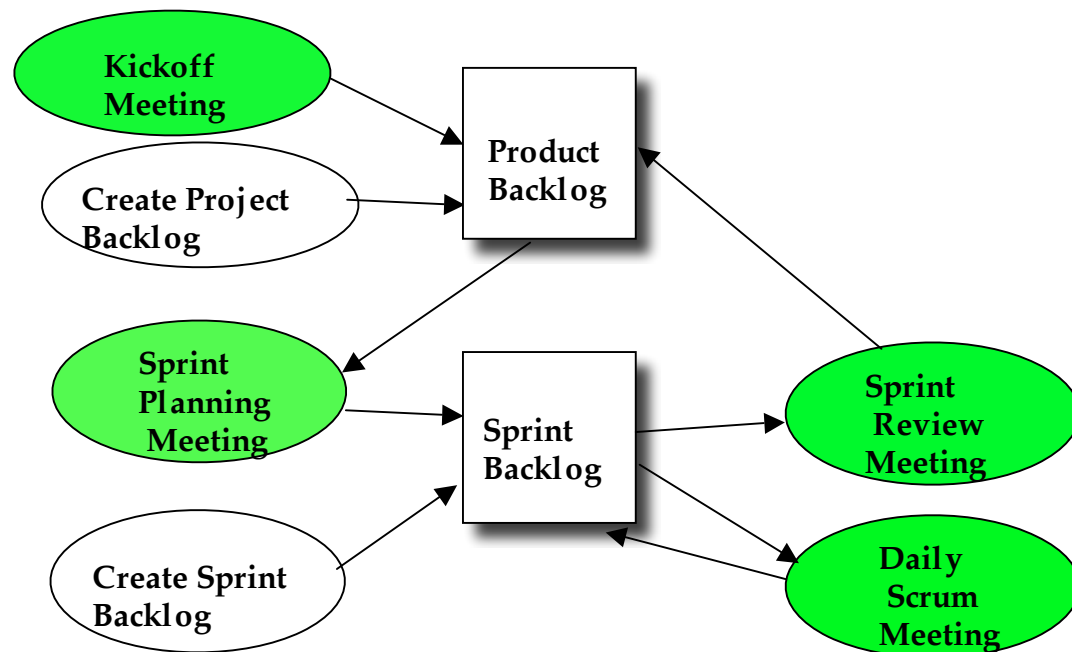
Product Owner

- I need the delivery of a potentially shippable increment by today (Wednesday, July 5) at 17:00



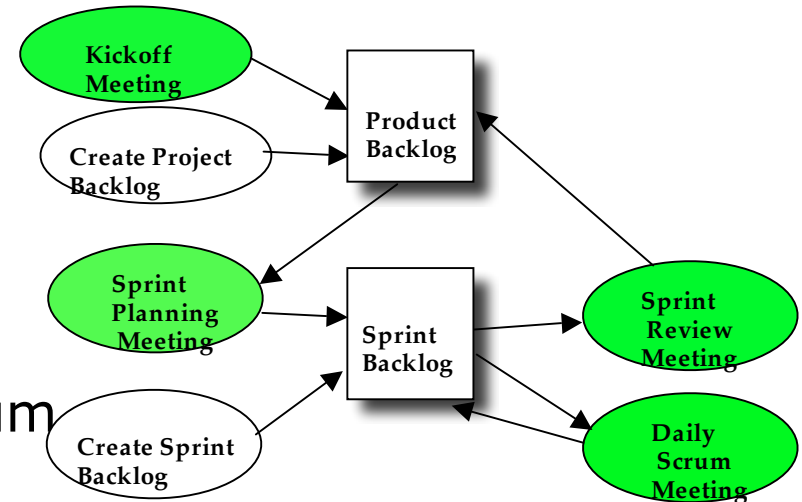
Scrum Process Activities

1. Project-Kickoff Meeting
2. Sprint Planning Meeting
3. Daily Scrum Meeting
4. Sprint Review Meeting



Project-Kickoff Meeting

- A collaborative meeting in the beginning of the project
 - Participants: Product Owner, Scrum Master
 - Takes 8 hours and consists of 2 parts (“before lunch and after lunch”)
- **This exercise:**
 - Participants: Product Owner, Developers
 - 10 minutes
- Goal: Create the Product Backlog
- **This exercise:**
 - Presentation of Product Backlog



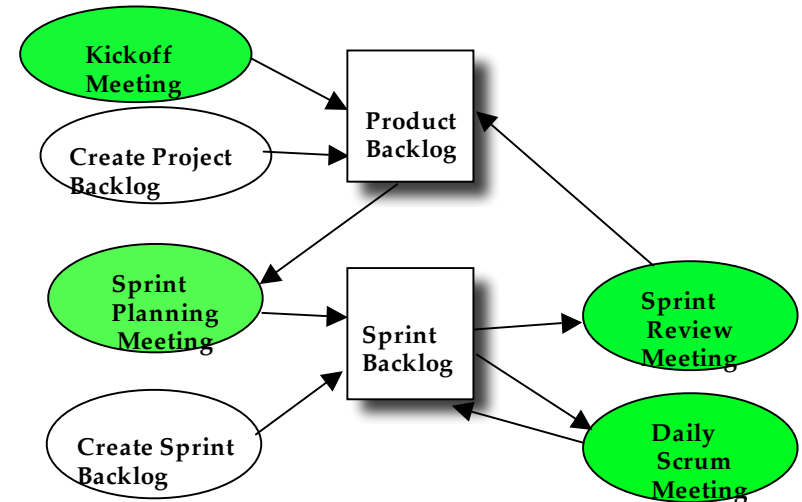
Product Backlog

- Determine Scrum master
- Get a room
- Organize 2 machines (1 MacOS, 1 Windows XP)
- Establish team roles
- Set up communication infrastructure
- Set up user accounts on the two machines
- Analyze the problem
- Design a solution
- Implement the solution
- Create a file on machine 1
- Send file to machine 2
- Receive file on machine 2



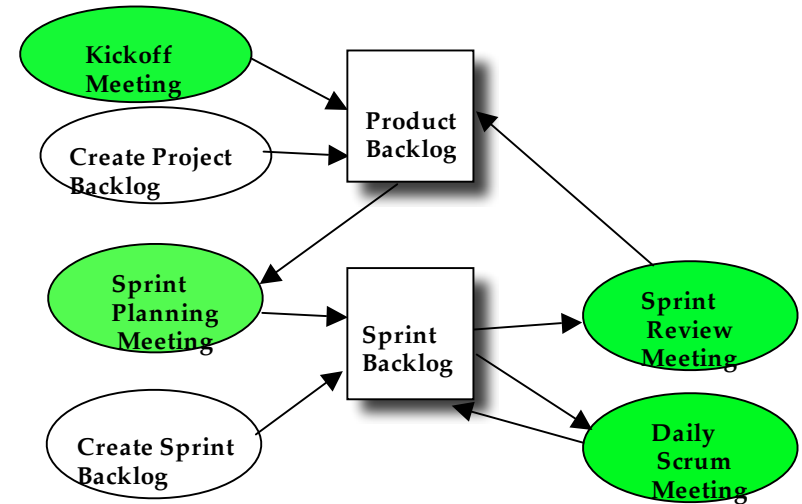
Sprint Planning Meeting

- A collaborative meeting in the beginning of each Sprint
 - Participants: Product master, Scrum Master, Scrum Team
- Takes 8 hours and consists of 2 parts (“before lunch and after lunch”)
- **This exercise:**
 - Participants: Scrum Master and Scrum Team
 - 15 minutes
- Goal: Create the Sprint Backlog
 - Prioritize the items on the product backlog
 - Extract items from the Product Backlog that are critical for the sprint



Sprint

- A month-long iteration, during which is incremented a product functionality
- NO outside influence can interference with the Scrum team during the Sprint
- Each day in a Sprint begins with the Daily Scrum Meeting
- This exercise:
 - 1 sprints (duration: 2 "days")
 - 60 minutes



Daily Scrum Meeting

- Is a short (15 minutes long) meeting, which is held every day before the Team starts working
- Participants:
 - Scrum Master (which is the chairman), Scrum Team
- Every Team member should answer on 3 questions
 - What did I do since the last Scrum meeting? (Status)
 - What is stopping you getting on with the work? (Issues)
 - What are you doing until the next Scrum meeting (Action Items)
- **This exercise:**
 - 2 daily scrum meetings
 - 8 minutes per meeting



Deliverables

- (Modified) Product Backlog
- Sprint Backlog
- Results of the 2 “Daily Scrum Meetings”
 - Status, Issues, Action items for each team member
- Documentation of Potentially Shippable Increment
 - Screensnapshots, tutorial, user manual
- Optional:
 - Results of Sprint Review Meeting
 - Burn down Charts



Exercise Schedule

- ✓ Project-Kickoff Meeting: 10 min (Time check: 15:30)
- **Organize in teams** (6 people per team): 10 min
 - Find room, resources and get going
- **Run 1 sprint:** 90 min
 - Create and hand in sprint backlog
 - **2 "daily" scrum meetings** (15 min total)
 - Create and hand in (status, issues, action items) for each team member for each of the meetings
 - Create Prototype ("Potentially Shippable Increment"): 75 min
 - **Demonstrate Prototype: 17:00-17:30**
- **Hold a sprint review meeting (20 min): Optional**
 - Hand in results of sprint review meeting
- **Due date for all deliverables: Thursday, July 6, 18:00.**

