Project Management - I
CS121 Agile project management

User stories

User stories & Other tasks (refactoring)

Tu-Th/Th-Tu

1 week

Product Backlog → Sprint Backlog → Sprint → Working increment of the software
Typical Agile project management

User stories

User stories & Other tasks (refactoring)
Preparing for next sprint

- Progress report
- Critique of current product
- Risk analysis
- Identify goals/tasks for sprint
- Prioritize
- Assign
- Re-groom backlog
Preparing for next sprint

• Progress report

What was accomplished? What wasn’t accomplished & why? How much time was spent?

• Critique of current product
• Risk management
• Identify goals/tasks for sprint
• Prioritize
• Assign
• Re-groom backlog
Preparing for next sprint

• Progress report
• **Critique of current product**
• Risk management
• Identify goals/tasks for sprint
• Prioritize
• Assign
• Re-groom backlog

Usability, software design, implementation, testing
Risk management

• Risks are factors that might adversely affect the outcome of a project.
• Risk is the direct result of uncertainty. If there is no uncertainty, it is not a risk – it is a certainty.
• Risk analysis is the process of identifying risks and classifying them in terms of potential impact.
• Risk management is the plan that the team puts into place to pre-empt, contain or mitigate the effects of risk to a project.
Preparing for next sprint

- Progress report
- Critique of current product
- Risk management
- Identify goals/tasks for sprint
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Goals should be broken down into concrete, measurable tasks that can be completed in 3 hours or less.
Prioritization:
Risk analysis + Customer goals + Estimation

• Story points, Function points, ...
• Planning
  • Wall Estimation
Wall Estimation: Step 1
Wall Estimation: Step 2
Preparing for next sprint

- Progress report
- Critique of current product
- Risk management
- Identify goals/tasks for sprint
- Prioritize
- **Assign**
- Re-groom backlog

Consider individual schedules, intermediate deadlines, expertise
Re-groom backlog
Prioritization of backlog

- Smaller, Higher Priority Stories – top of the backlog. Risks: Small stories turn out to be huge after discussions
- Bigger, Higher Priority Stories – Next in the backlog. Risks: Begin breaking these down sooner than later.
- Smaller, Lower Priority Stories – Third in the backlog. Risks: Filter these as they may disappear as work progresses.
- Bigger, Lower Priority Stories – Last in the backlog. 4+ Months out – Manage these in Grooming
Preparing for next sprint

• Progress report
• Critique of current product
• Risk management
• Identify goals/tasks for sprint
• Prioritize
• Assign
• Re-groom backlog

Document your process
Roles

• Scrum master: manage process, communicate with customers, management
• Scribe: planning sessions/meeting notes

In game project should we rotate positions each week, each Phase, or ?