

## Review

- What is agile development?
- What is Scrum?
- What do you think of JIRA so far?

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## Agile Development Framework: Scrum

- **The Scrum framework in 30 seconds**
  - Product owner creates prioritized wish list, a *product backlog*
  - Team works in a *sprint*, usually 2-4 weeks
    - During planning, team picks a subset of wish list, a *sprint backlog*, and decides how to implement those pieces
    - Daily Scrum: team meets daily to assess its progress
      - ScrumMaster keeps the team focused on its goal
    - At end of sprint, work should be potentially shippable:
      - ready to hand to a customer, put on a store shelf, or show to a stakeholder
    - The sprint ends with a sprint review and retrospective
  - Repeat sprint

<https://www.scrumalliance.org/why-scrum>

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## Practicing with JIRA/Scrum

- Create components for WebAdvisor
  - What are the software components of WebAdvisor?

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## Practicing with JIRA/Scrum

- Each row, create a “story” for things that need to be done for WebAdvisor
  - “Story” → like a user feature
    - As a {type of user}, I want {goal} so that I {receive benefit}.
    - As a customer, I want to be able to create an account so that I can see the purchases I made in the last year to help me budget for next year.
  - Add some subtasks

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## Practicing with JIRA/Scrum

- In team, prioritize those stories (in Backlog)
- Estimate the stories
  - Time
  - Effort
    - .5, 1, 2, 3, 5, 8, 13, 20, 40, 100
- Create a sprint
  - How long is our sprint?
  - What stories belong in our first sprint?
  - What work can we complete in the amount of time?

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## Practicing with JIRA/Scrum

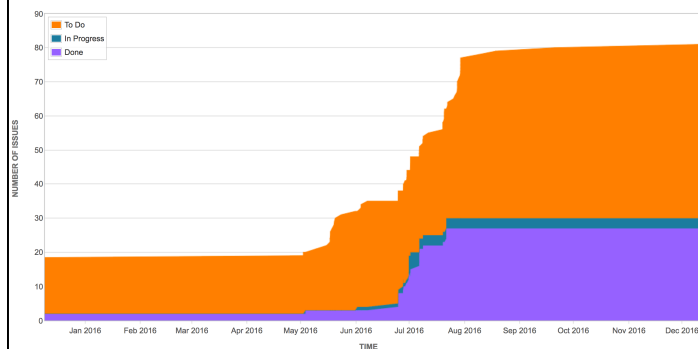
- Take a task and mark it as “in progress”
  - Mark one task as Done
- Look at the “Burndown Chart”

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## Reports: AGP Cumulative Flow Diagram



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## Discussion

- How helpful is this tool?

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## Agile Development Framework: Kanban

- Organize workflow
  - Restrict how much is in progress at a time

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## Practicing Kanban

- Go to your Kanban project
- Look at the Board, how is it organized?
- As a team, under Board, check “Configure”
  - How many “in development” do we want?
  - Any other constraints?
- Create issues for this project
  - Can copy issues from last practice

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