

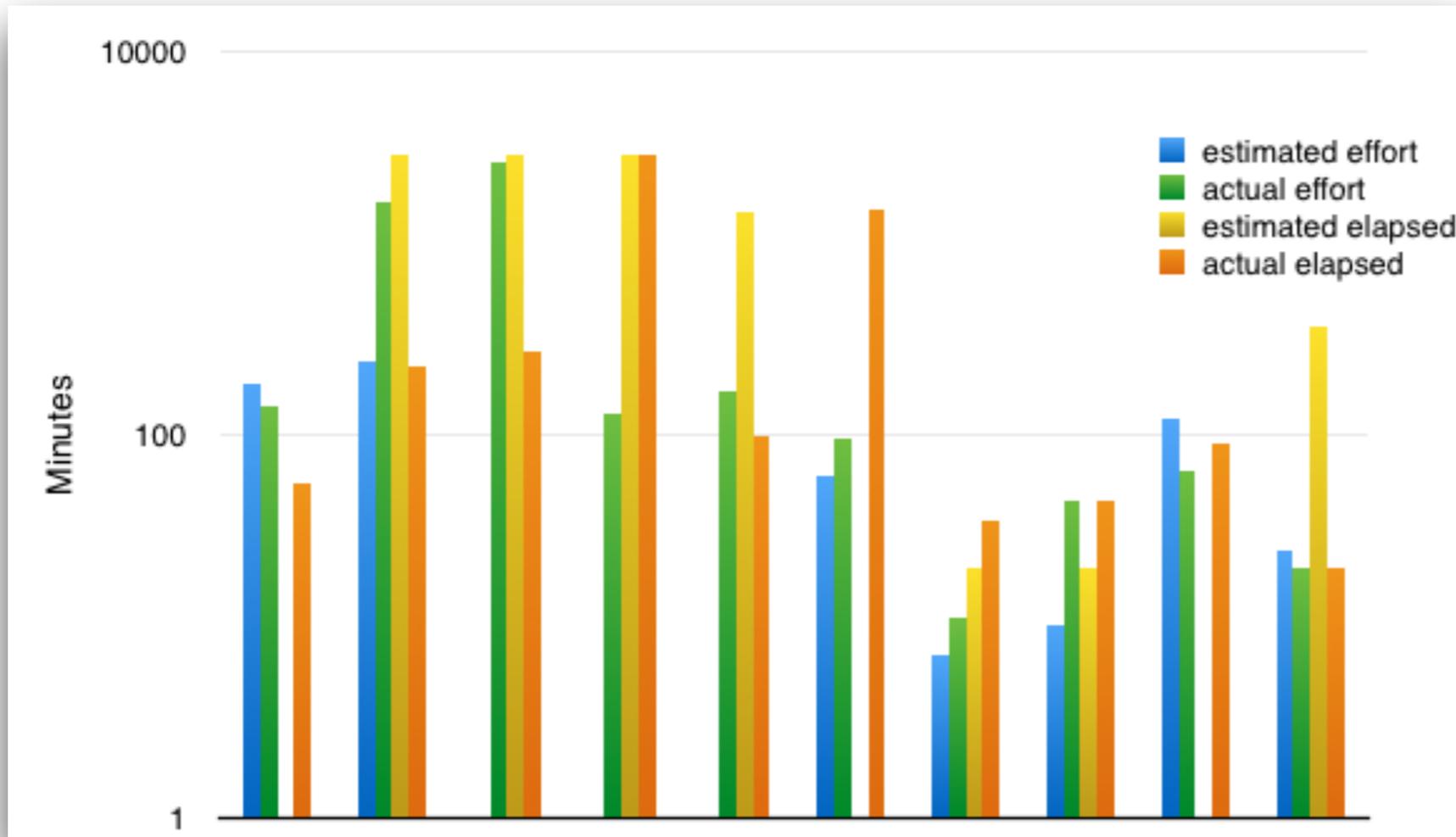
Software Project Management Tools

Software Engineering

CS 130

Donald J. Patterson

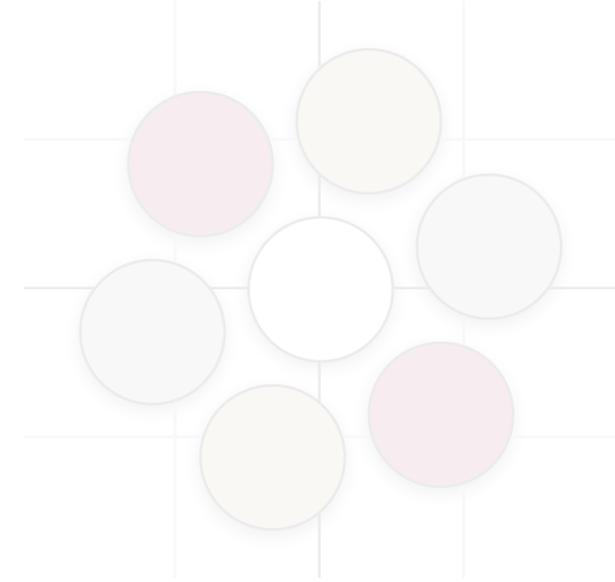
Content adapted from Essentials of Software Engineering 3rd edition by Tsui, Karam, Bernal Jones and Bartlett Learning



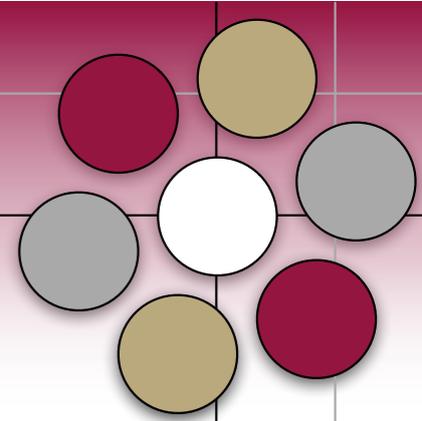
- **effort estimate:**
- 220 minutes low
(on average)
- **elapsed estimate:**
- 986 minutes high
(on

- **ideal time or effort:** straight through with no interruptions
- units: e.g., person-hours, person-days, etc.
- **elapsed time or duration:** actual calendar time including everything
- units: e.g., days, weeks, etc.

- Friend stopped by interrupted me.
- Had to go to the ER
- Distracted by thing near me
- Lot of problems converting strings to text
- Test files changed, set me back
- sleep
- needed to clarify assignment
- chatting with roommate
- bug fix
- getting help
- sleep
- other homework
- I needed to work on other hw



Software Project Management Tools



We are going to compare two tools

Pivotal Tracker
Wrike

SAY HELLO TO THE NEW
PIVOTAL TRACKER

SEE FEATURES

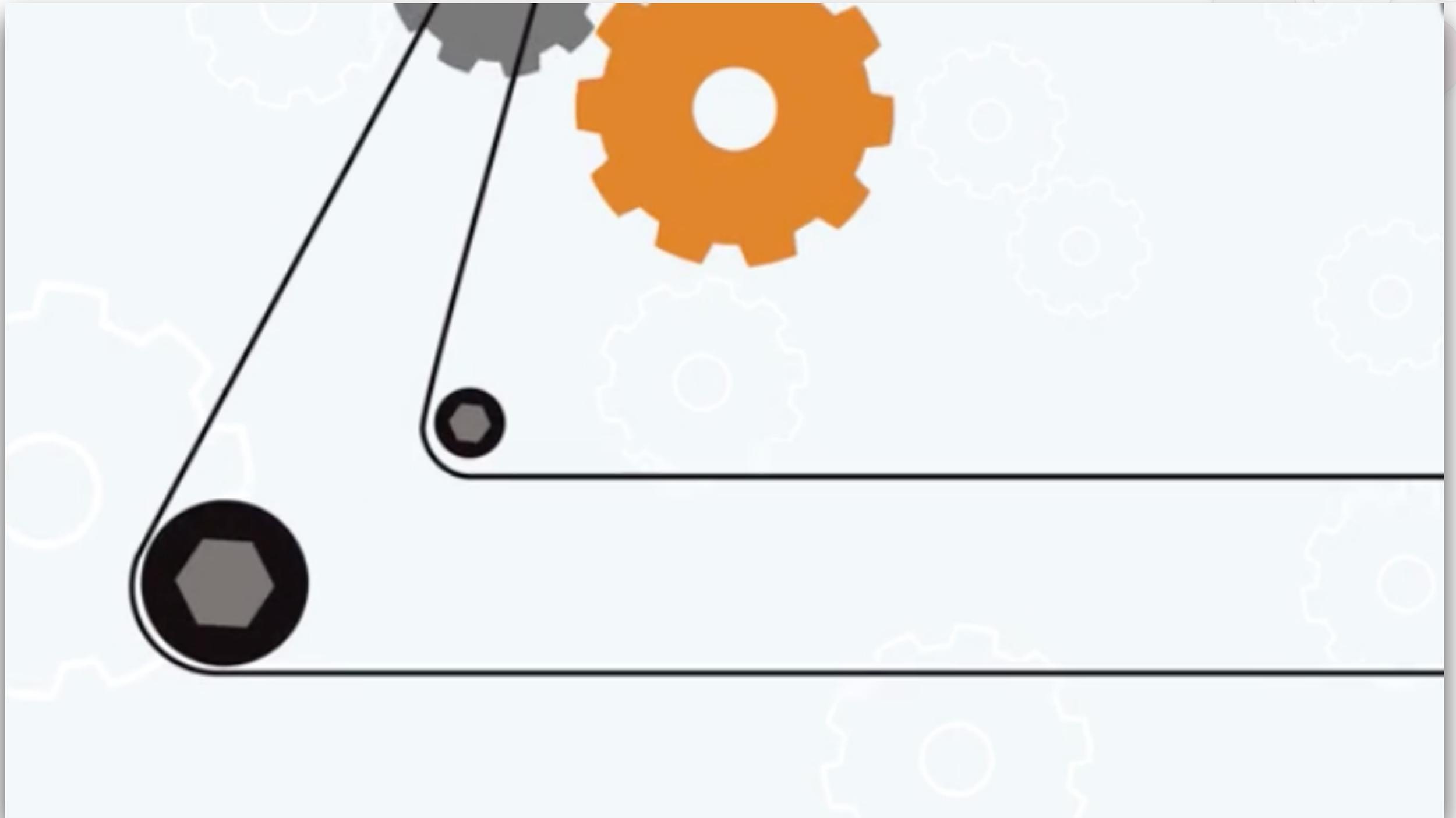
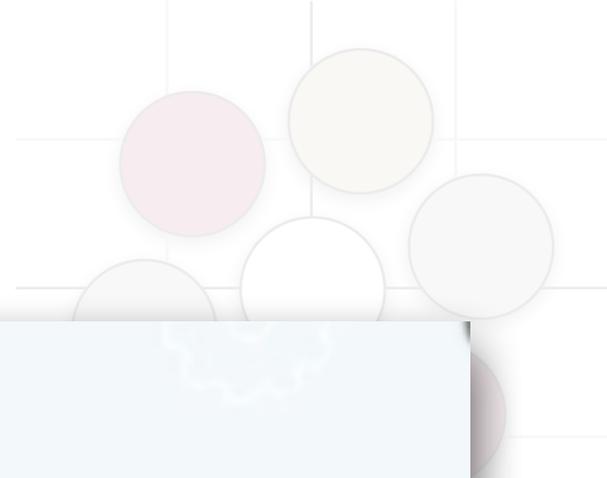
BUILD
BETTER
SOFTWARE
FASTER

- Faster, more flexible UI
- Side-by-side backlogs
- Cross-project collaboration

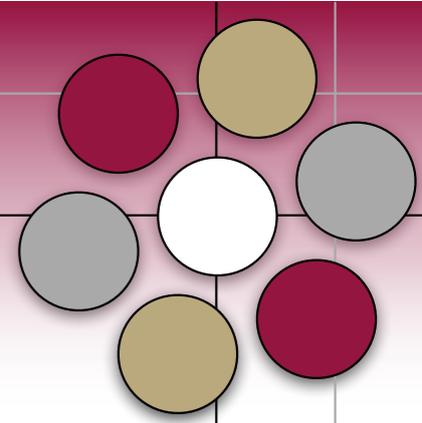
30-Day Free Trial

GET TRACKING →

Motivation



Software Project Management Tools



Set up an account

UI/Concept overview

The screenshot displays a web browser window with the URL <https://www.pivotaltracker.com/n/projects/1179646>. The page title is "Burrito Finder iOS Alpha". The interface is divided into several sections:

- Left Sidebar:** Contains navigation options: "Add Story", "Provide Feedback On The Beta", "My Work", "Current/Backlog", "Icebox", "Done", "Epics", "Labels", "Charts", and "Project History".
- Current/Backlog:** A list of tasks grouped by date. The first group is "28 Sep - Current" (Pts: 0 of 10). The second group is "5 Oct" (Pts: 5). Each task includes a star icon, a description, and a "Start" button. Some tasks have associated tags in green text.
- Icebox:** A list of tasks that are not currently being worked on. It contains two items: "When more than 3 salsas, layout of profile view is broken" and "Chips and salsa style dropdown broken".

At the bottom of the image, there is a video player control bar showing a play button, a progress slider, and a timestamp of 0:09.

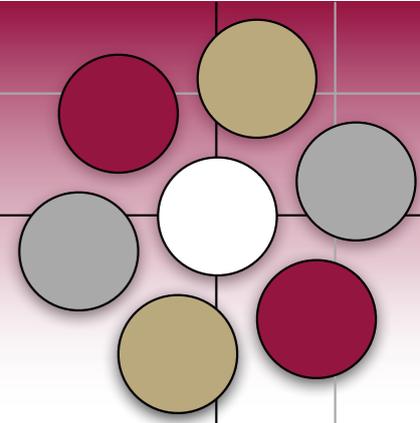
Writing Stories



Writing Stories

See where and how to add concrete, verifiable stories to start your project off right.

Software Project Management Tools



Make a story

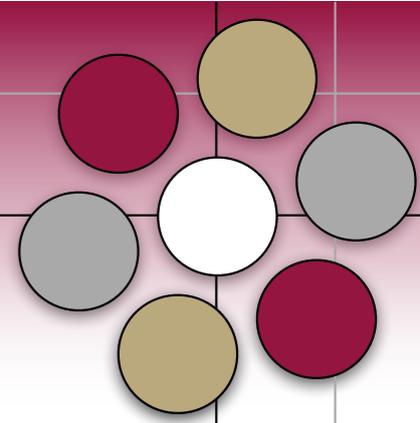
Estimate Complexity



Prioritizing and Estimating Complexity

Which is the most important story, and how complex is it? Learn tips for estimating your stories.

Software Project Management Tools



Everyone estimate how many points the stories
are

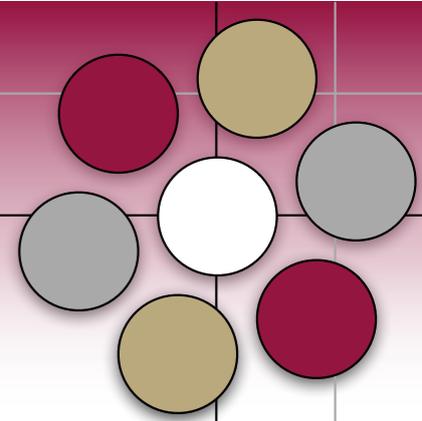
Developing Stories



Delivering Stories

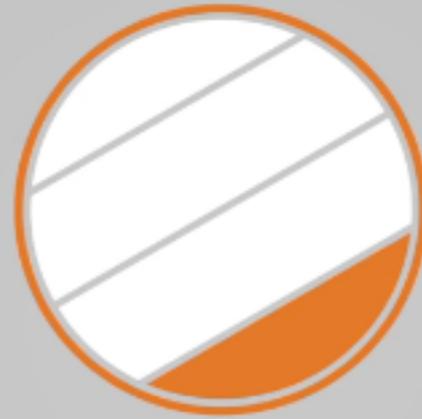
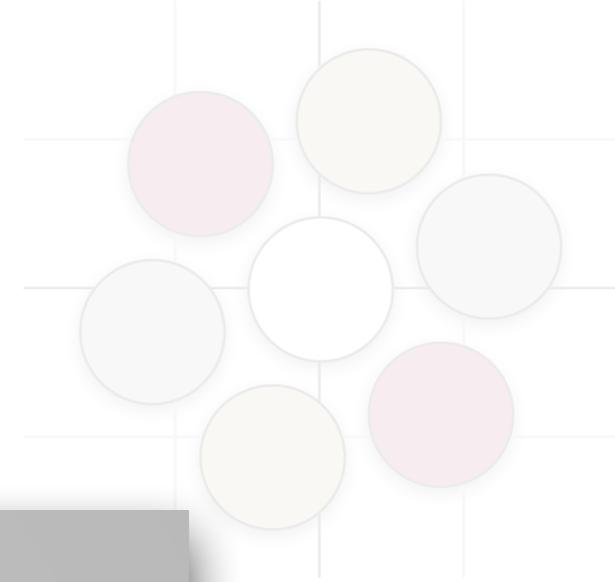
See how stories go through a collaborative process, as they move towards completion.

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- Accept a story
- Create some dialog around it
 - Notify each other in comments
 - add tags
 - attachments

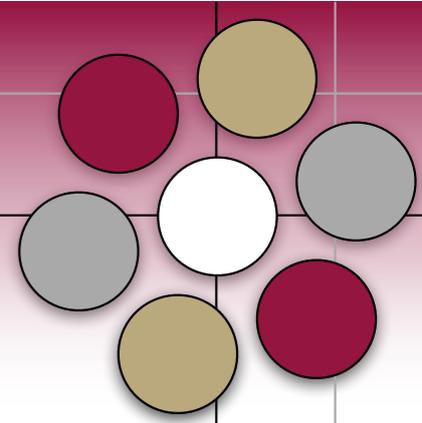
Story Acceptance



STORY ACCEPTANCE



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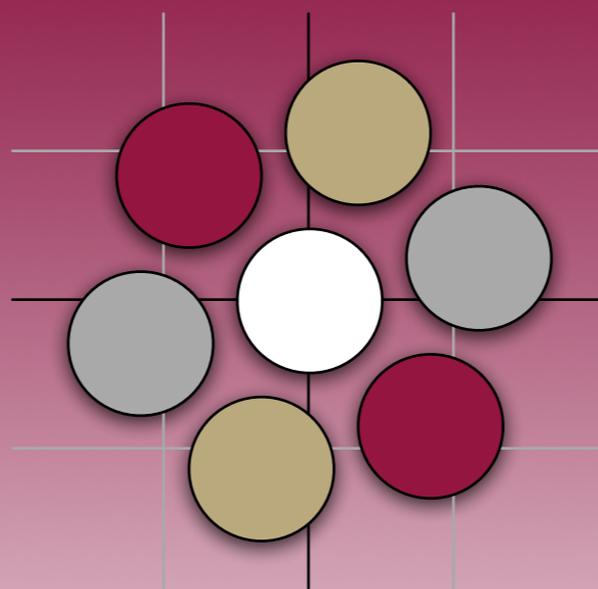


- Deliver one of your stories
- Read
 - Story workflow
 - <https://www.pivotaltracker.com/help/gettingstarted>

Wrike



The screenshot shows a Wrike task page. On the left is a sidebar with a list of dates: Dec 23, Dec 16 (with a '3' badge), Dec 16, Dec 17 (with a 'rough sketch of the...' and a paperclip icon), Dec 08 (with a '2' badge), and Dec 10. The main content area shows a task titled 'New Drone...lew.pptx' with an 'Expand' button. Below the title, under the heading 'today', is a reply from 'Colby' with a profile picture. The reply contains a list of actions: 'scheduled task for Dec 01 – Dec 09 (7d)', 'included task into Amazing Toys', 'assigned task to Colby Masterson', 'shared task with Zachary Burroughs', and 'updated description', followed by 'just now'. Below the text is a red PowerPoint icon and the filename 'New Dro...lew.pptx' with 'just now' underneath. At the bottom of the main area, a video player is overlaid with a red progress bar. The video player shows a comment: '66 We need a strong proposal. Proposal for Amazing Toys @Zachary Burroughs Real'. The video player controls at the bottom include a play/pause button, a volume icon, a progress bar showing '0:27 / 1:04', a 'CC' icon, a settings gear, the 'YouTube' logo, and a full-screen button.



WESTMONT COMPUTER SCIENCE