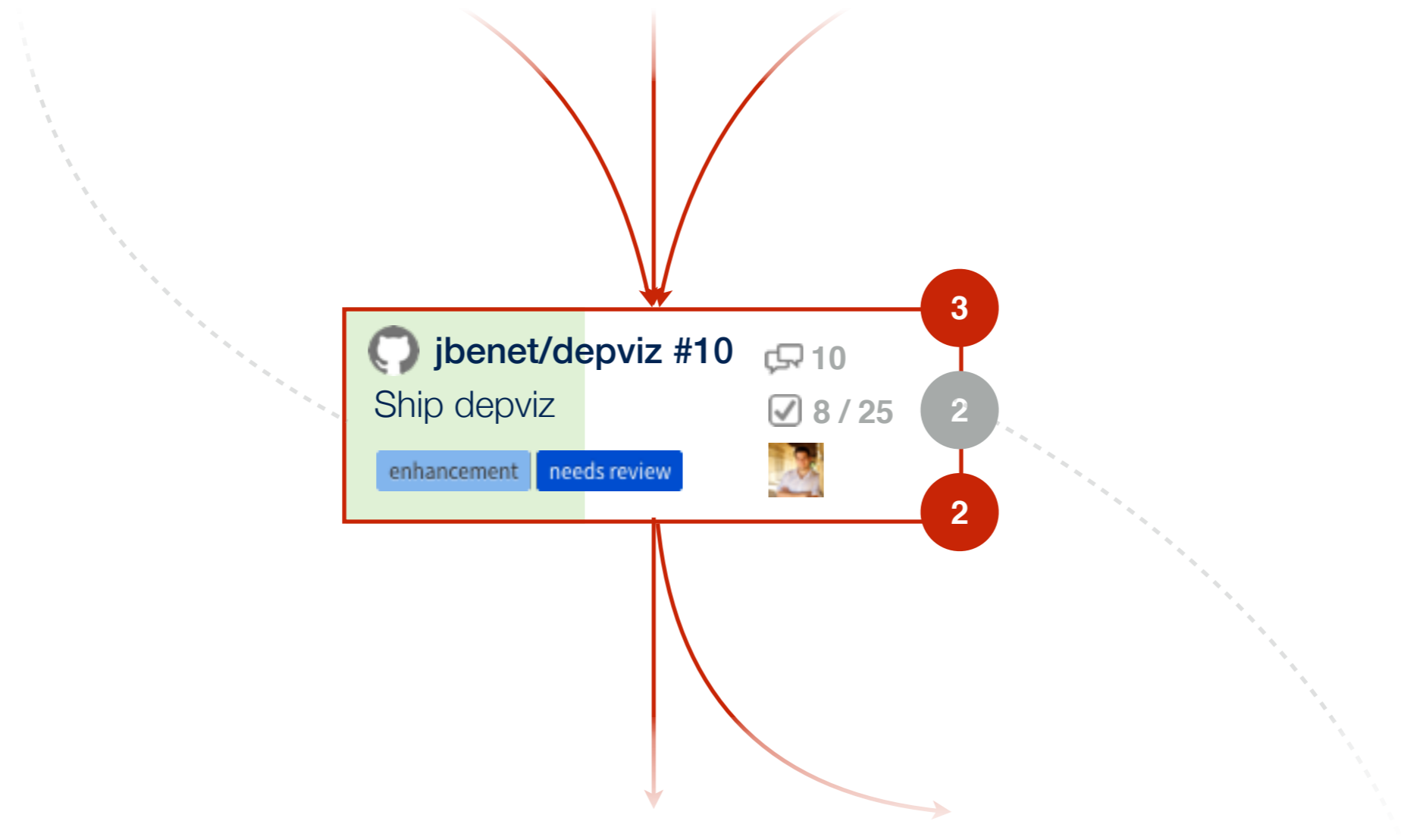


depviz

dependency visualizer for the web



Background: Tasks often block other tasks. It is hard to grasp all the dependencies between tasks. Lots of energy is lost tracing these dependencies and attacking the tasks blocking others.

Problem: It is hard to understand dependencies between things.

Solution: visualize them!

more specifically...

Background: In online work, elements (projects, tasks, people, labels, and so on) are all web entities.

Problem: It is hard to understand the dependencies between web objects.




Solution: crawls dependency graph, and visualize it on an interactive website.
(waffle.io meets graphviz)

related work: trak's dependency graph

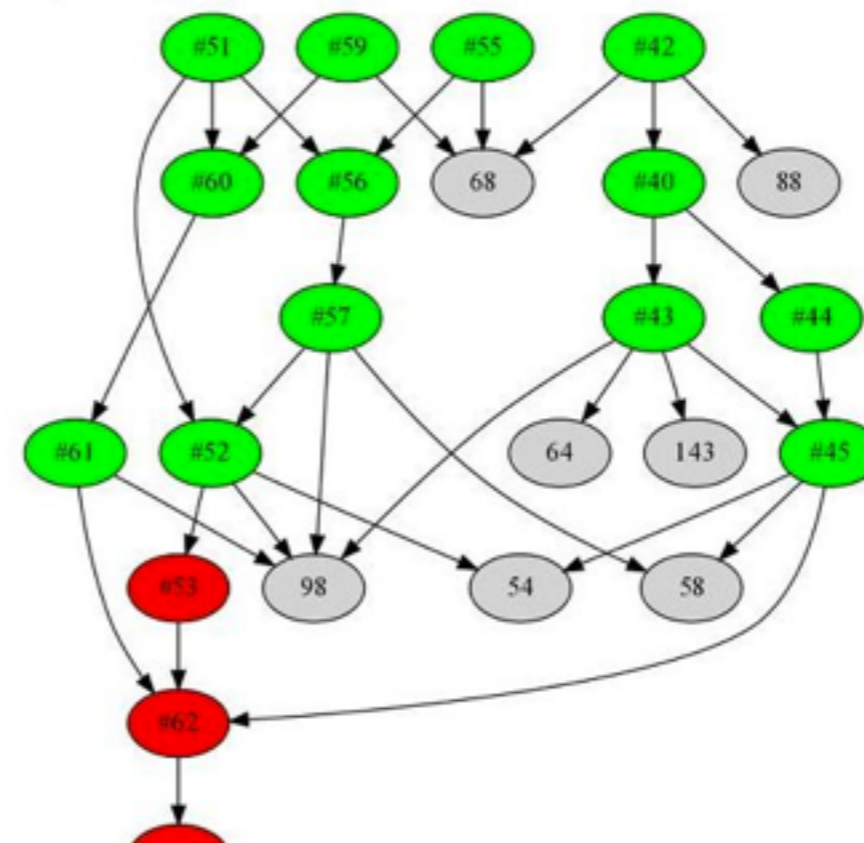
Ticket #62

Atividade/MontarPlacaEletronica		Opened 7 months ago Last modified 5 weeks ago	
Reported by:	ru-2	Owned by:	#2131
Priority:	essencial	Milestone:	Mano4.1: SCH/PCB do terminal programável
Component:	Produto/	Version:	
Keywords:		Cr:	
Bloqueado por:	#48, #33, #44	Bloqueia a:	#63
Estima Inicio [YYYY-MM-DD]:	2008-05-01	Cobrar?:	yes
Estima Fim [YYYY-MM-DD]:	2008-05-05	Esforço Estimado [hr]:	3h
Esforço Realizado [hr]:	1h		
Description			
Reply			

Legend:

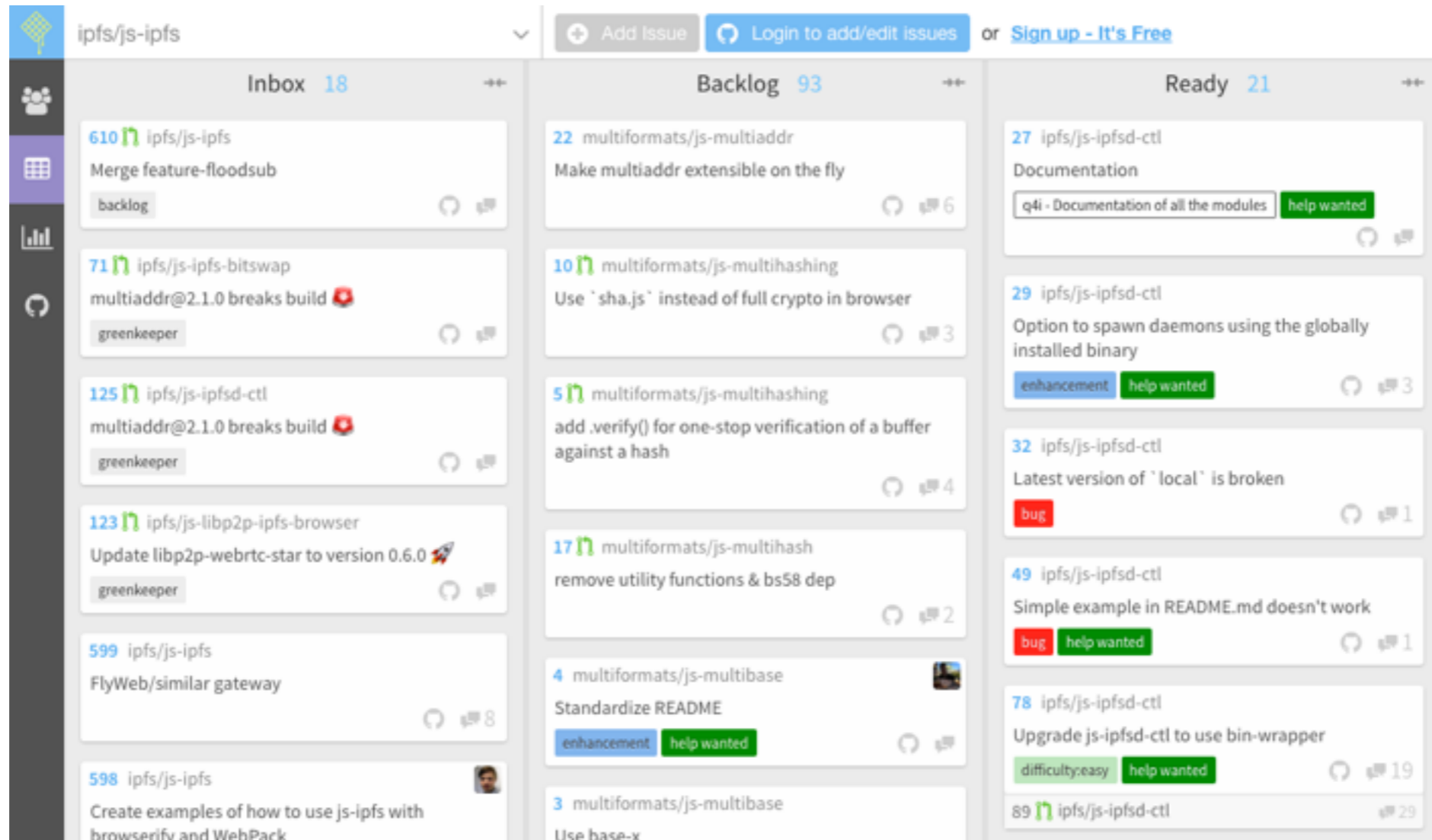
-  Ticket shown on grey, is not part of the dependencies for #62.
-  Ticket shown on red, is blocking or blocked #62, and it is not completed. Has a hiperlink to such ticket.
-  Ticket shown on green, is blocking or blocked #62, and it is done. Has a hiperlink to such ticket.

Dependency Graph for Ticket #62



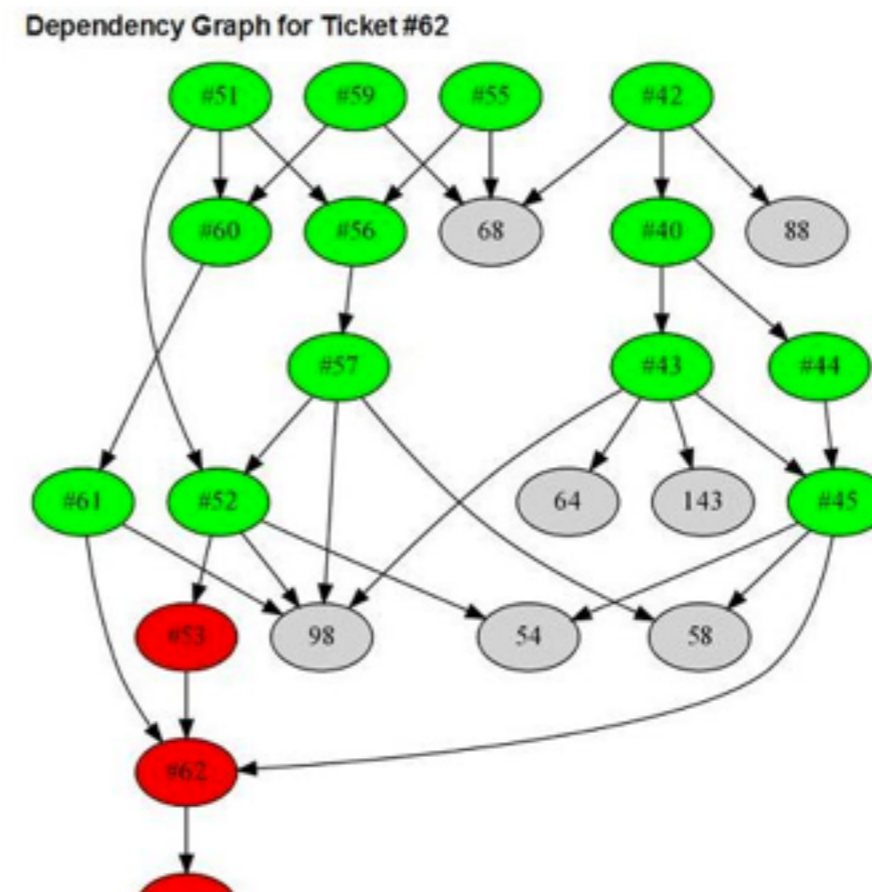
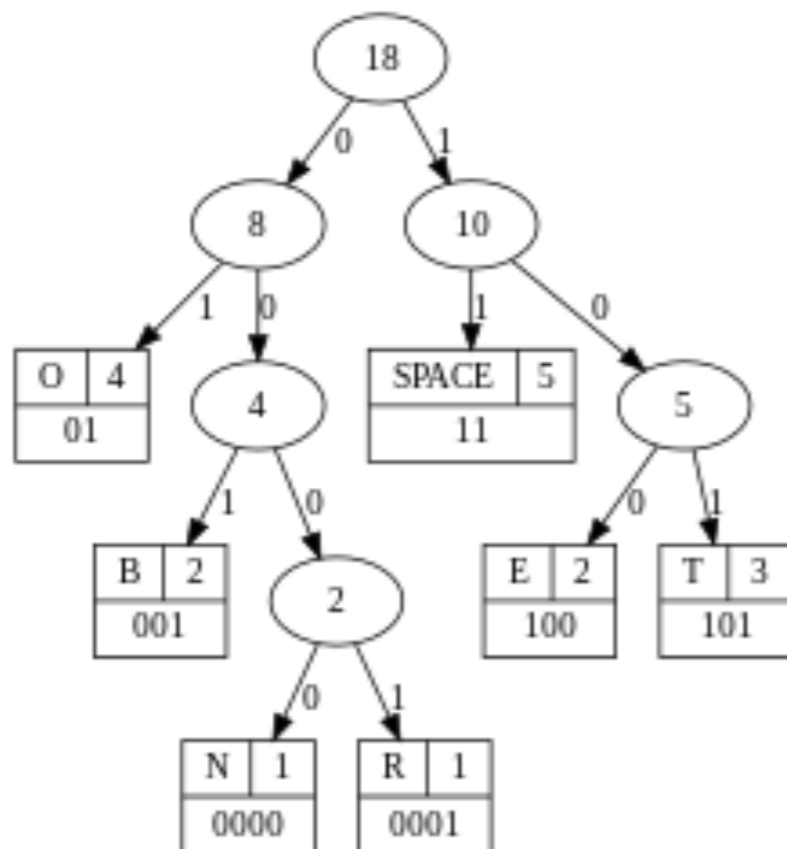
- Only works on trak. (Should work across websites!)
- Only works for tickets. (Should work for many object types!)
- Viz is not interactive. (We have svg and d3! \o/)
- Viz is lacking. (more info: people, comments, progress, ...)

related work: waffle cards

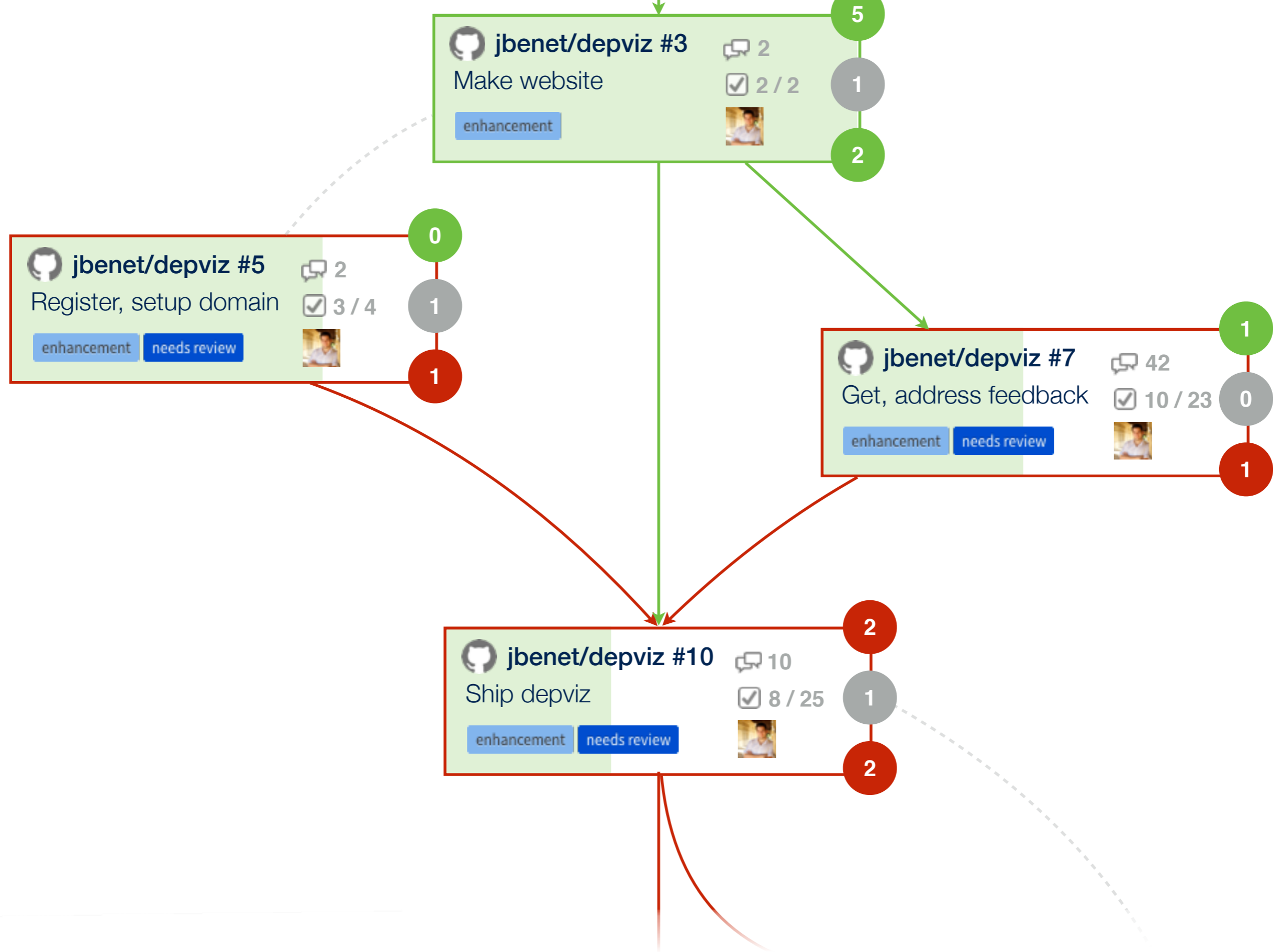


- Only works with github. (Should work across websites!)
- Only works for issues. (Should work for many object types!)
- Kanban board. No dependencies.
- Shows much more info! Assignee, comments, type, etc.

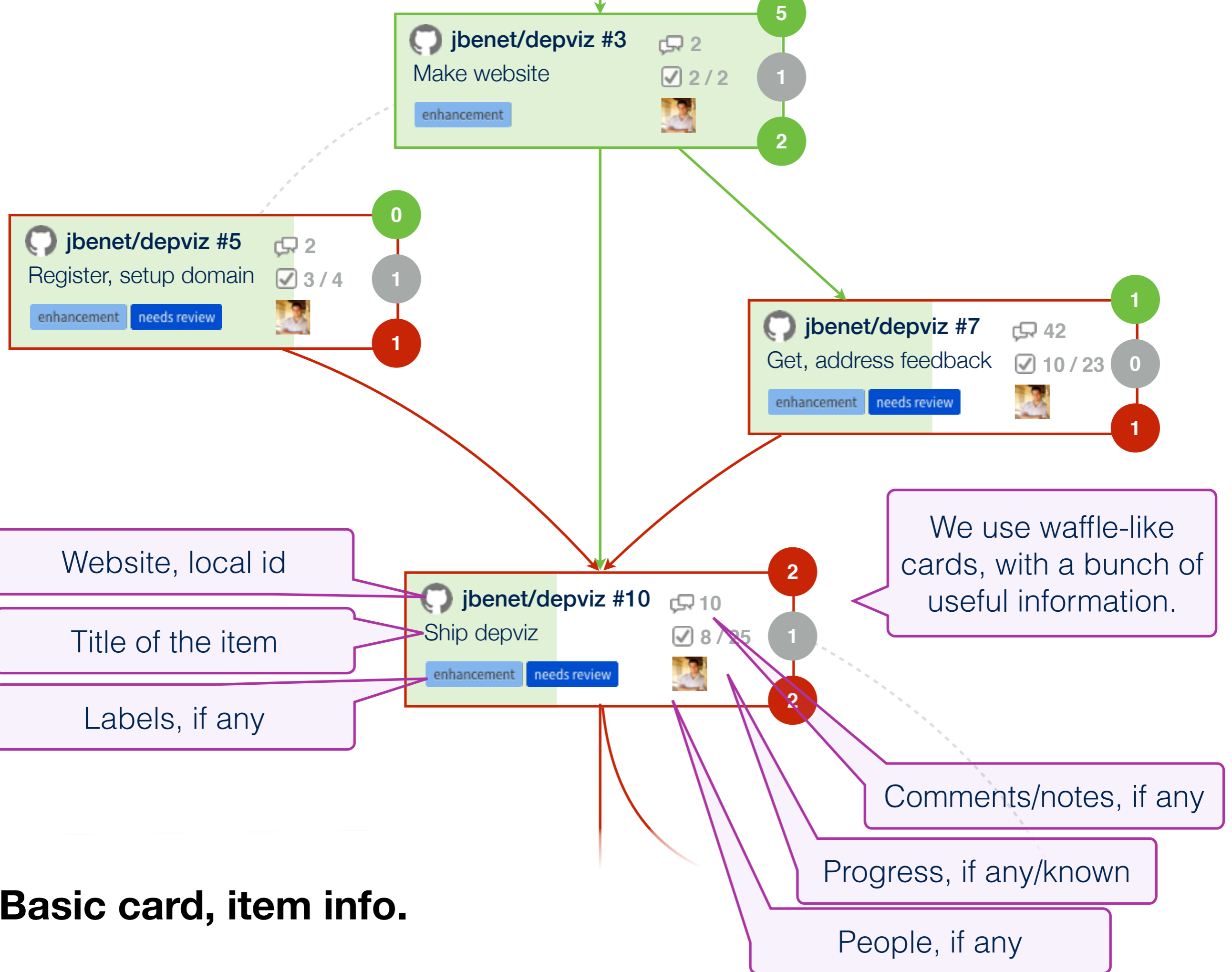
tools: dags and graphviz



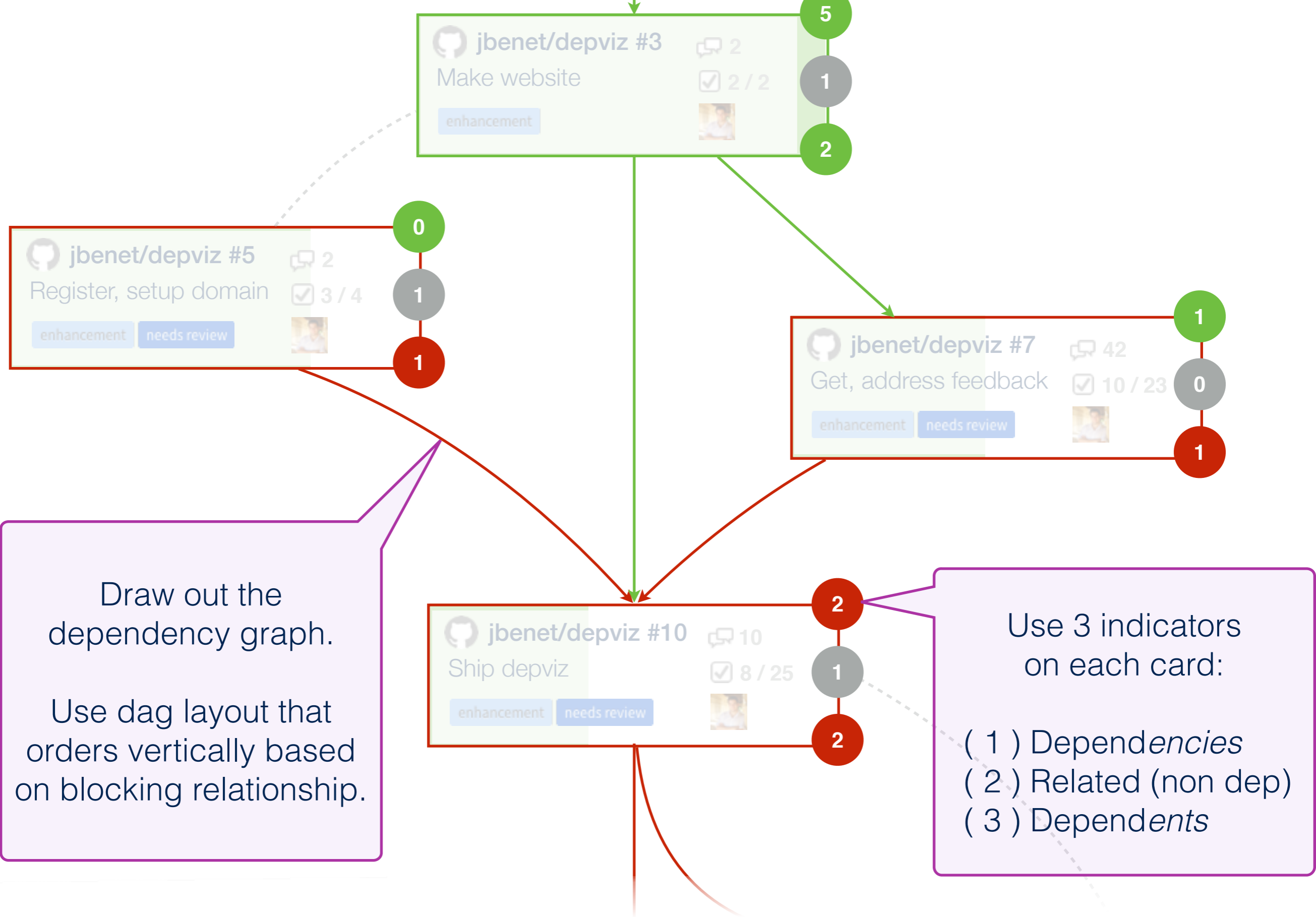
- dag visualizations are excellent to show dependencies
- can use color to signal *blocked*, *ready*, etc.
- graphviz is good at laying out dags.
- interactive web versions exist now! (eg graphviz-d3-js)
- dags are hard though— limit the scope of the graph shown.



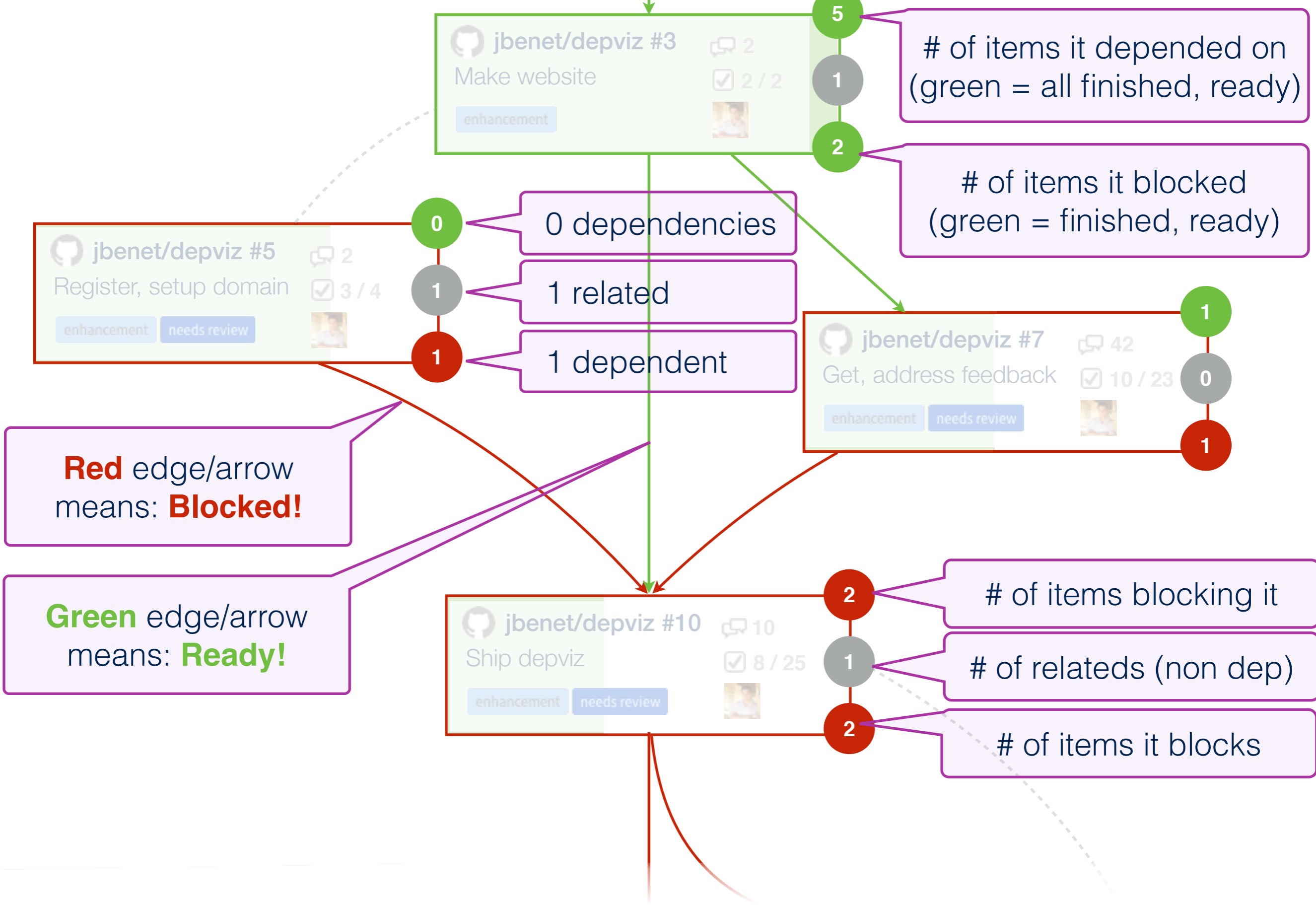
Possible UX



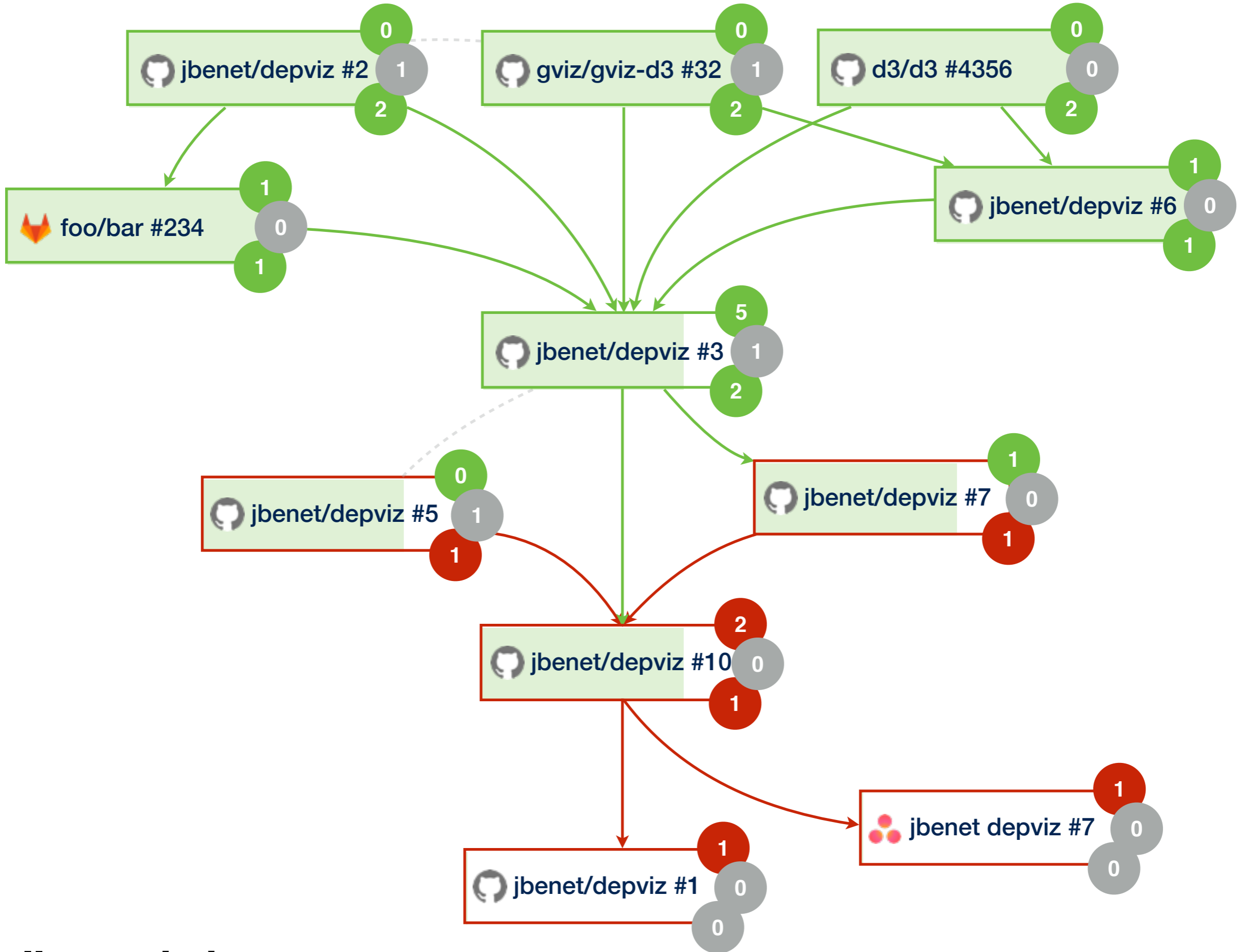
Basic card, item info.



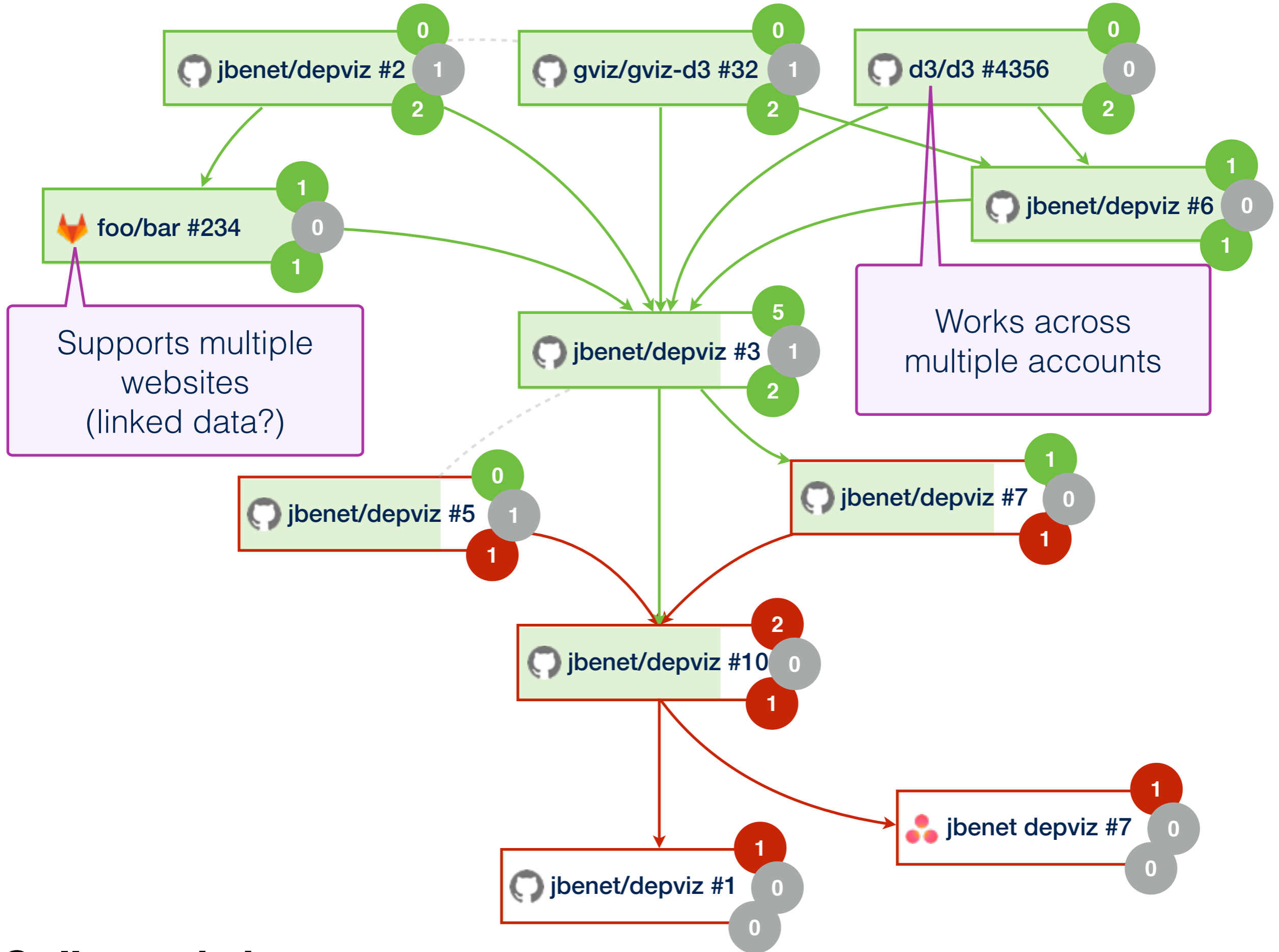
DAG with Dependency Graph Indicators!



DAG with Dependency Graph Indicators!



Collapsed view, zoom out



Collapsed view, zoom out