

# Open Project Management

from an “open” perspective

## UNIT 4

Instructor: Dr. Bradly Alicea

<http://bradly-alicea.weebly.com>



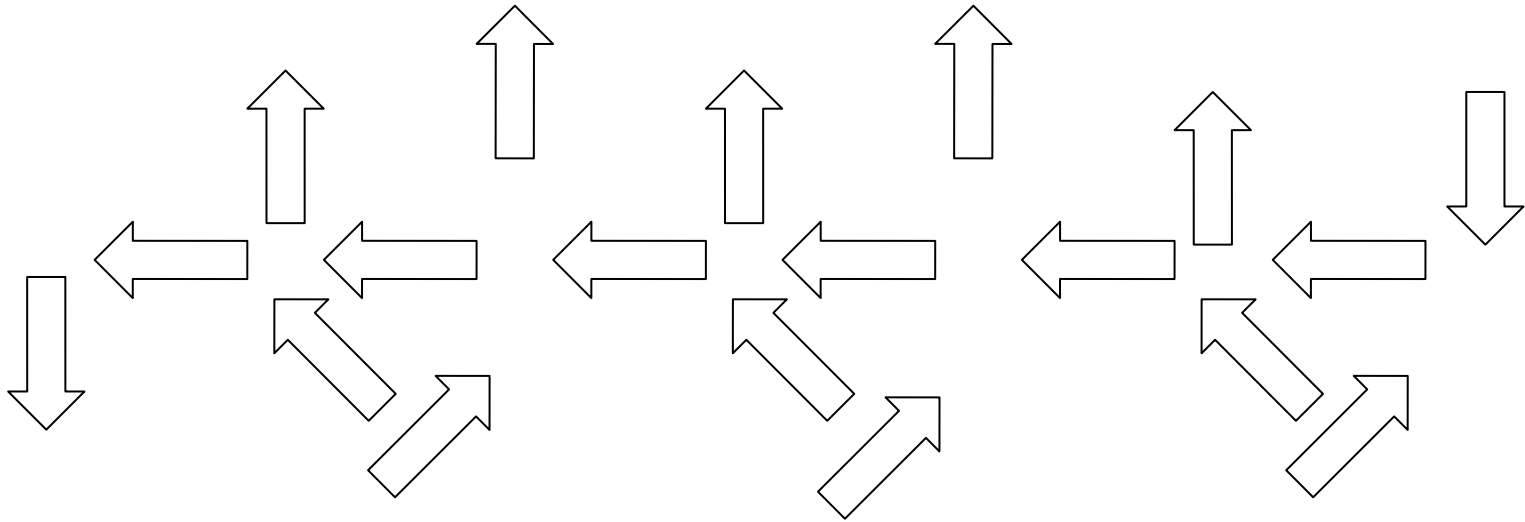
Lecture 16

All content

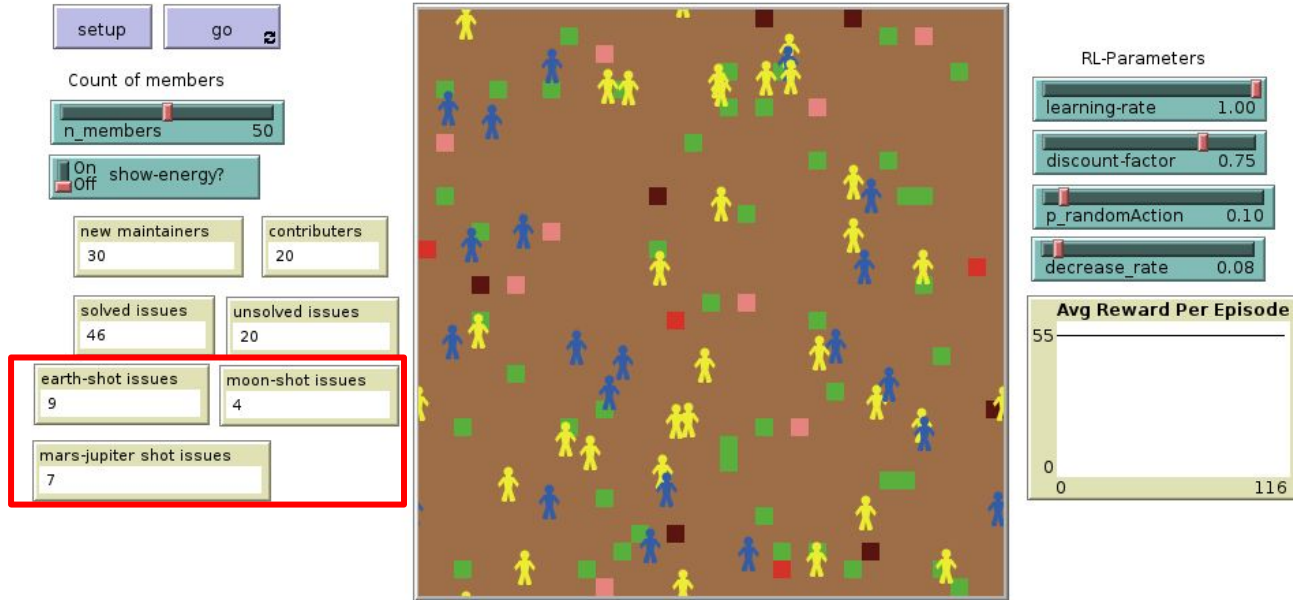


# Open Project Management

# Welcome Back!



# Agent-based Model for Contribution Scope

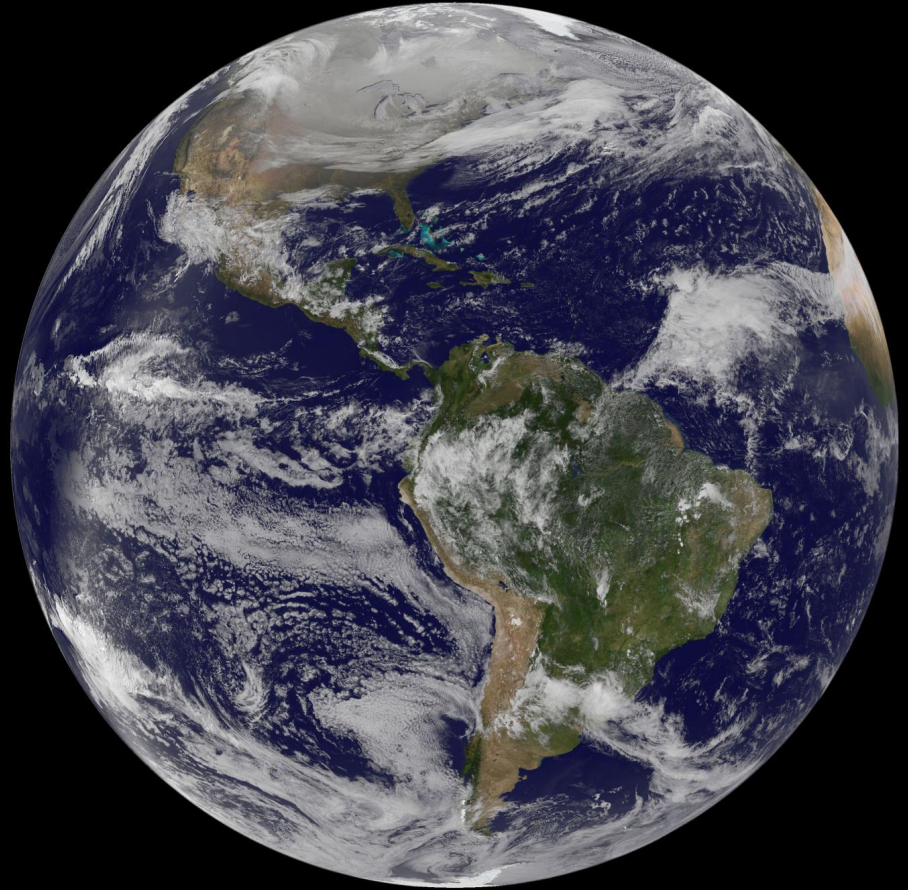


Reinforcement Learning for Open Source Community Sustainability

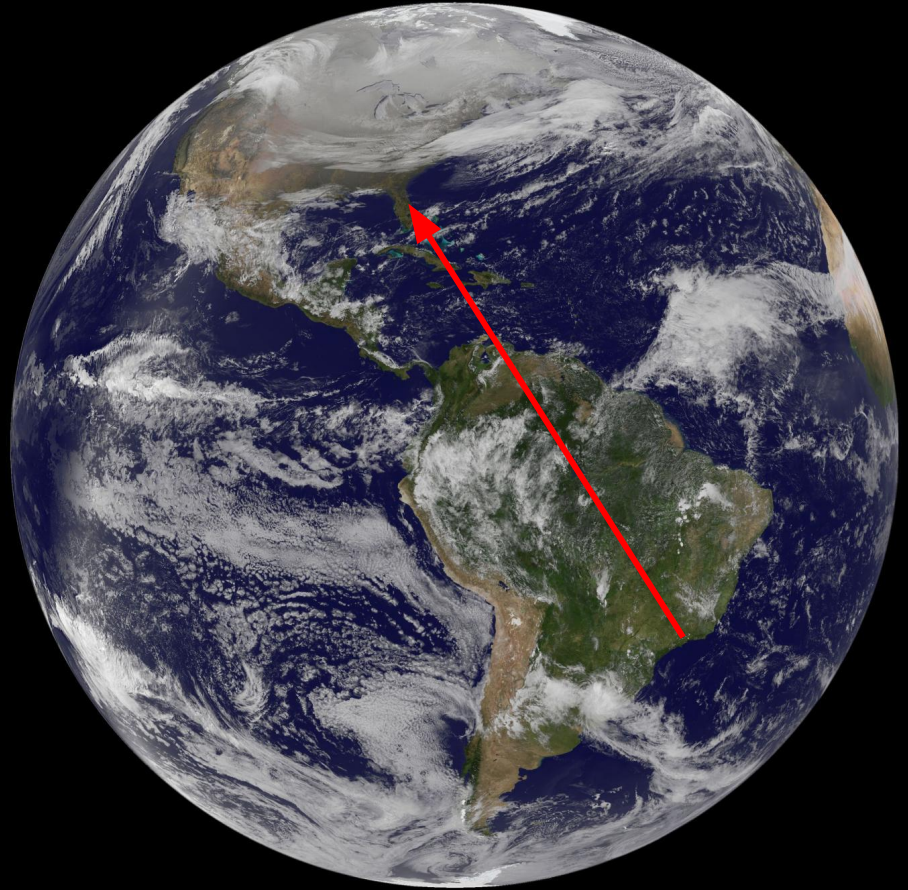
# Earth Shot

Simple issue with a simple solution

- good first (beginners) issue.
- maintenance issue.



# Earth Shot



A “good first issue”

- Fill out contributor form, check out community resources.

# Good-first-issue-finder

Your entry point for finding good first issues in the EddieHub Organization  
and in the community

Get started

The screenshot displays the Good First Issue Finder interface. At the top left is the EddieHub logo (a rabbit). In the top right corner, there is a 'Docs' link. Below the logo, there are two tabs: 'EddieHub' (selected) and 'GitHub'. A search bar with the placeholder text 'Search #+K' is positioned below the tabs. Underneath the search bar, there are three columns of filter options, each with a checkbox and a description:

- Column 1:  goal: addition,  aspect: text,  priority: low
- Column 2:  status: ready for dev,  points: 1,  good first issue
- Column 3:  talk: discussion,  points: 2

Below the filters, there are three search results, each in a white card with a light orange border. Each card contains an EddieHub icon, the repository name, the issue title, and several action buttons:

- Result 1: EddieHubCommunity/LinkFree, [FEATURE] Copy name of icon from docs. Buttons: Contributor Covenant, MIT License, JavaScript, Open in Gitpod.
- Result 2: EddieHubCommunity/LinkFree, [DOCS] Add workflow diagrams and description. Buttons: Contributor Covenant, MIT License, JavaScript, Open in Gitpod.
- Result 3: EddieHubCommunity/good-first-issue-finder, [FEATURE] Add badges to README.md. Buttons: Contributor Covenant, MIT License, Svelte, Open in Gitpod.

Good First Issue Finder

<https://finder.eddiehub.io/>

## Produce an error message if 'extends' is used in a target that does not su...

March 15, 2023 - 3 hours ago

good first issue

validation

git [lingua-franca](#)

★ 147 stars

👤 lf-lang

💡 0 assignee

JavaScript Shell C Java HTML CMake Makefile C++ Python

PowerShell

Go to issue

## Multi-sig interoperability with cli

March 15, 2023 - 4 hours ago

enhancement

good first issue

git [contracts](#)

★ 1 star

👤 filecoin-saturn

💡 1 assignee

Solidity Rust

Go to issue

## Trigger events when users click list items

March 15, 2023 - 3 hours ago

enhancement

good first issue

git [videojs-http-source-selector](#)

★ 3 stars

👤 FreeTubeApp

💡 0 assignee

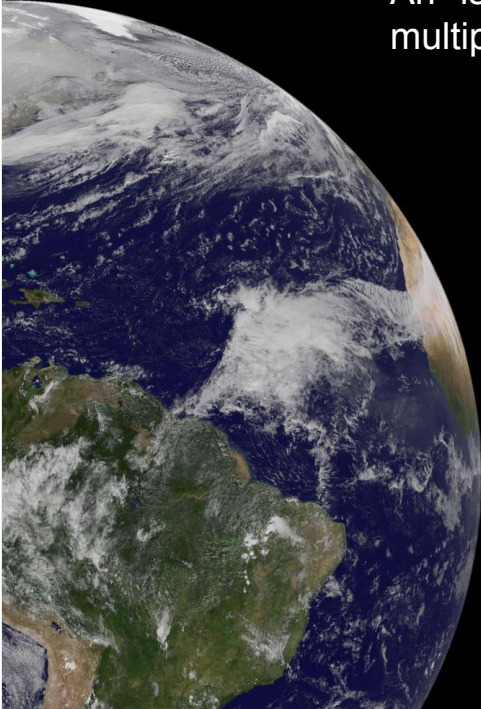
JavaScript HTML SCSS

Go to issue

<https://goodfirstissues.com/>

# Moon Shot

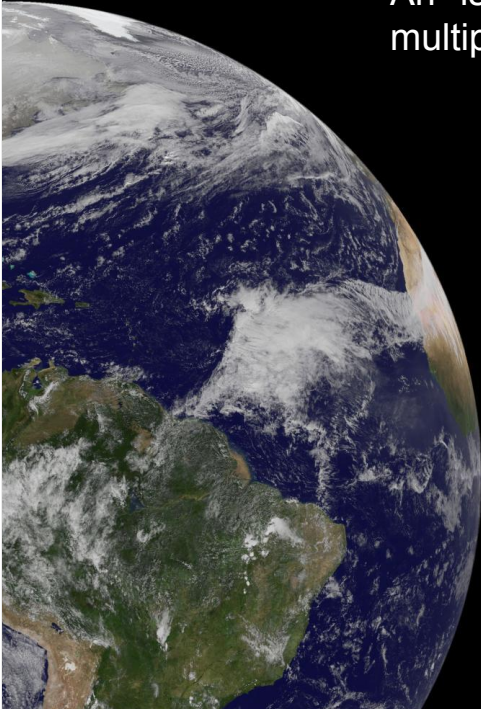
An issue that can be broken down into multiple Earth shots





# Moon Shot

An issue that can be broken down into multiple Earth shots

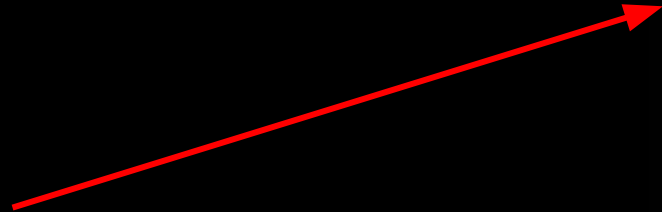


Write a simple numeric simulation, accompanied by:

- code review (1), benchmarking (2), documentation (3), and maintenance (4).

# Moon Shot

An issue that can be broken down into multiple Earth shots



Write a simple numeric simulation, accompanied by:

- code review (1), benchmarking (2), documentation (3), and maintenance (4).

● **Todo** 1

...

Things that have not been started

🕒 Project-Management #46  
Benchmarking for Numeric Simulation

+ Add item

● **In Progress** 1

...

This is actively being worked on

🕒 Project-Management #45  
Code Review for Numeric Simulation

+ Add item

● **Urgent** 1

...

Things that need to be done ASAP

🕒 Project-Management #44 ...  
Testing for Numeric Simulation Code

+ Add item

● **Future Goals** 2

...

Things that might be good to have someday

🕒 Project-Management #47  
Maintenance for Numeric Simulation

🕒 Project-Management #48  
Documentation for Numerical Simulation

+ Add item

● **Done** 1

...

Things that has been completed

🕒 Project-Management #43  
Draft Code for Numeric Simulation

+ Add item



Project-Management #44

## Testing for Numeric Simulation Code #44

Open Orthogonal-Research-Lab opened 7 minutes ago

### In Progress 1

This is actively being worked on

Project-Management #45  
Code Review for Numeric Simulation

### Urgent 1

Things that need to be done A

Project-Management #44  
Testing for Numeric Simulation

Orthogonal-Research-Lab 7 minutes ago

Edit

No description provided



#### Preview

H B I

Leave a comment

Markdown is supported Paste, drop, or click to add files

Close issue

Comment

Assignees Add assignees...

Labels good first issue

Milestone Add milestone...

Status Urgent

Linked pull requests No linked pull requests

Repository Project-Management

Open in new tab

Copy link

Archive

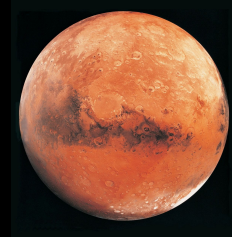
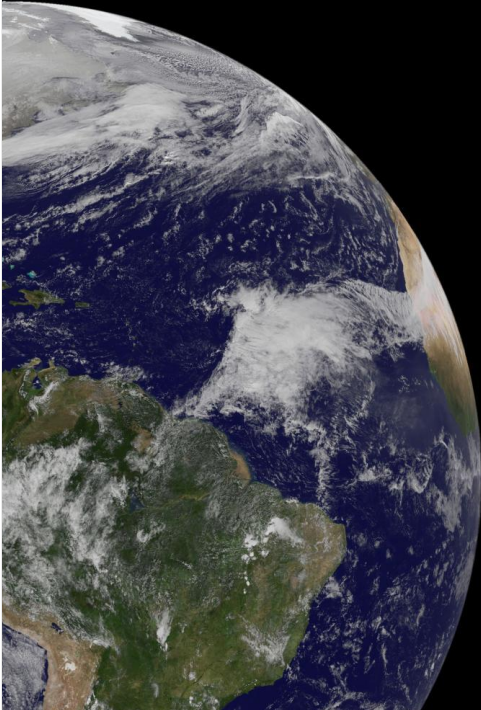
Delete from project



+ Add item

+ Add item

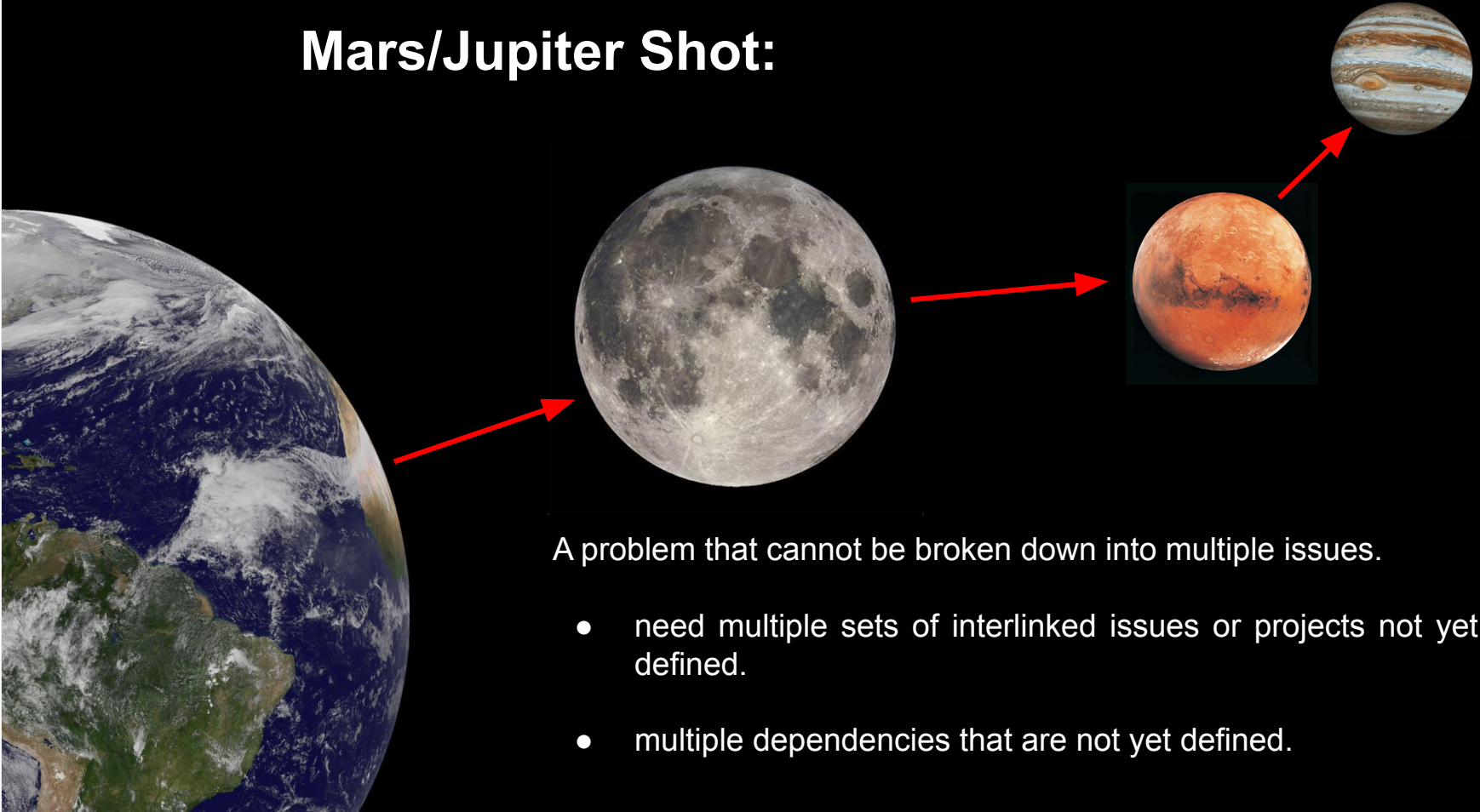
# Mars/Jupiter Shot:



A problem that cannot be broken down into multiple issues.

- need multiple sets of interlinked issues or projects not yet defined.
- multiple dependencies that are not yet defined.

# Mars/Jupiter Shot:



A problem that cannot be broken down into multiple issues.

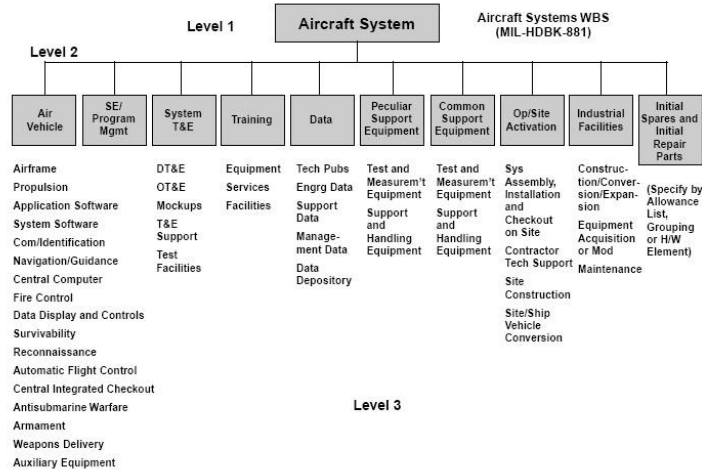
- need multiple sets of interlinked issues or projects not yet defined.
- multiple dependencies that are not yet defined.

# Rescoping and Issue Revision

## Project Rescoping: 7 rules for rescoping projects

<https://www.projecttimes.com/articles/7-golden-rules-for-scoping-projects-perfectly/>

- 1) Define scope using a *work breakdown structure*: [https://en.wikipedia.org/wiki/Work\\_breakdown\\_structure](https://en.wikipedia.org/wiki/Work_breakdown_structure)



# Rescoping and Issue Revision

## **Project Rescoping: 7 rules for rescoping projects**

<https://www.projecttimes.com/articles/7-golden-rules-for-scoping-projects-perfectly/>

2) develop a process to capture and distribute these requirements. Three layers:

- scoping layer: assess scope of change and impact.
- expanded layer: impacts on tasks and deliverables.
- details layer: feasibility of change, length of time, and resources required.

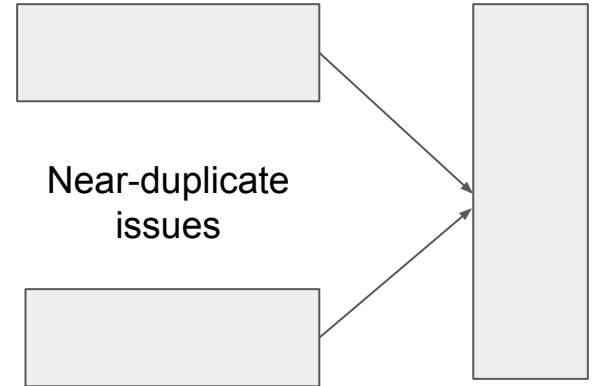
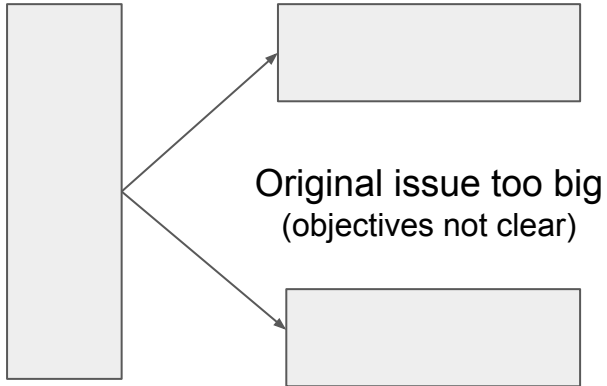
3) involve stakeholders and a communication plan to community and contributors.

4) process-limiting: break into subprojects, limit mission creep, keep track of requests and their time impact.



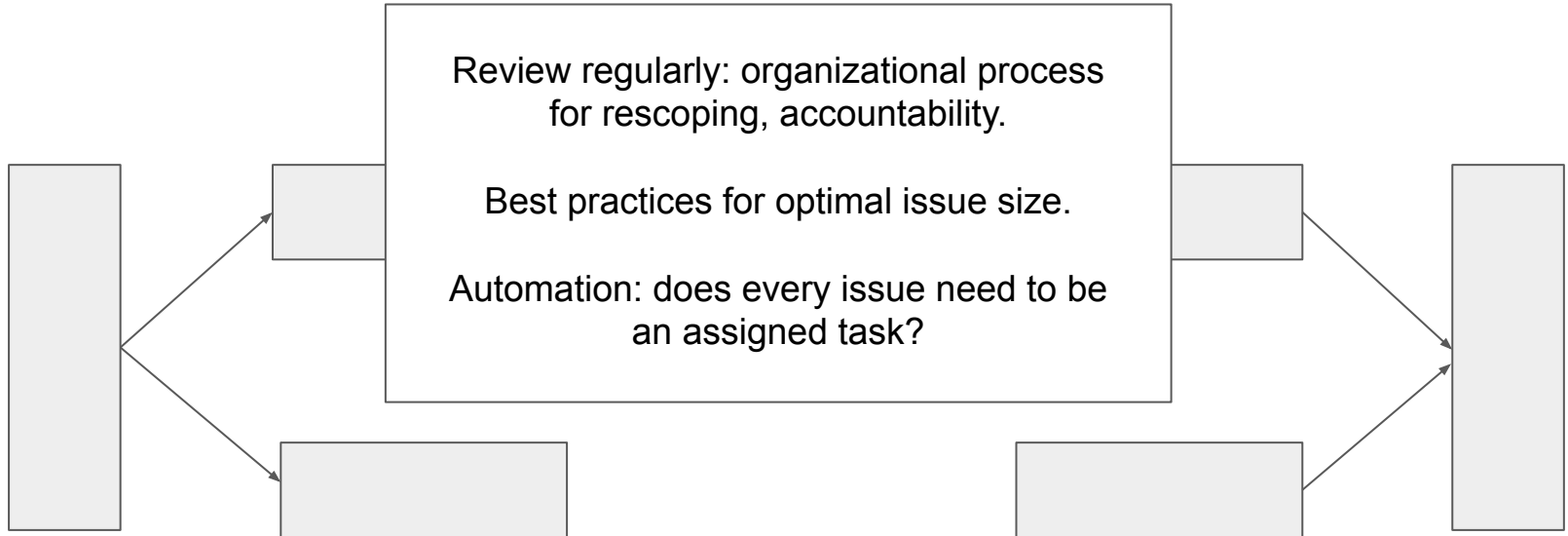
# Rescoping and Issue Revision

**Issue Revision:** splitting one issue into two, lumping duplicate issues.



# Rescoping and Issue Revision

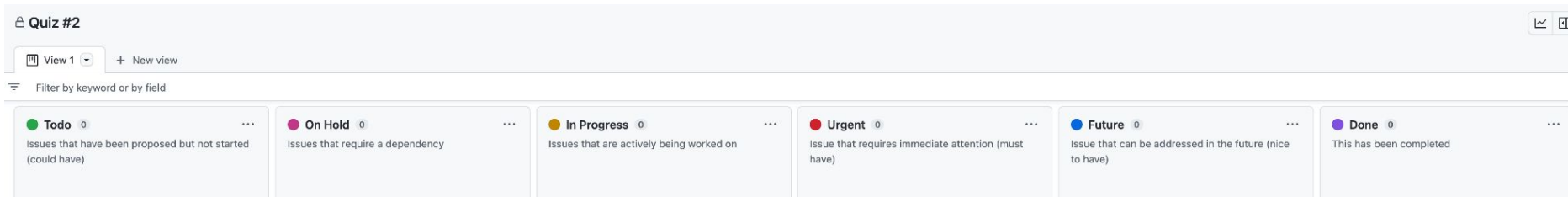
**Issue Revision:** splitting one issue into two, lumping duplicate issues.



# Quiz #2!

## Managing Issues:

- 1) create one issue per category on the Quiz #2 board using the “create new issue” (+ sign icon at bottom of each category). You may create more if necessary.
- 2) assign yourself to each issue and label each issue as appropriate. Create new labels as appropriate.
- 3) In the “leave a comment” section of project description, describe how to address issue and any potential issue rescoping that may need to be done in the future.

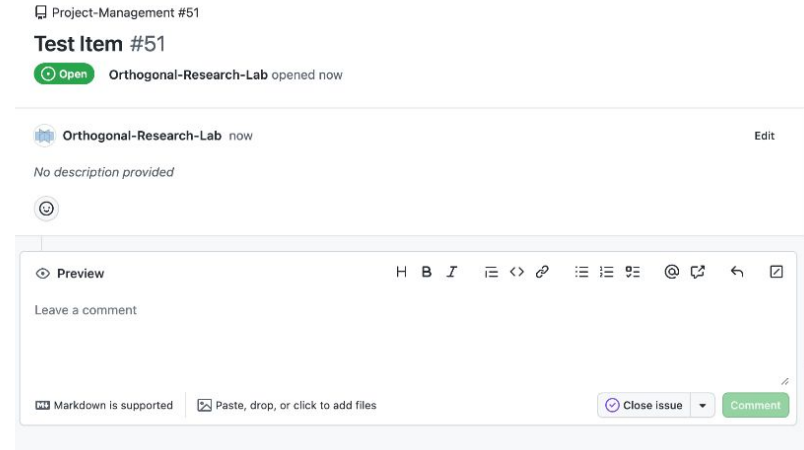


<https://github.com/orgs/OREL-group/projects/14/views/1>

# Quiz #2!

## Managing Issues:

- 1) create one issue per category on Quiz #2 board. You may create more if necessary.
- 2) assign yourself to each issue and label each issue as appropriate.
- 3) In the “leave a comment” section of project description, describe how to address issue and any potential issue rescoping that may need to be done in the future.



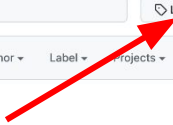
**Label issues and pull requests for new contributors** Dismiss

Now, GitHub will help potential first-time contributors [discover issues](#) labeled with **good first issue**

Filters  **Labels 12** **Milestones 0** New pull request

**0 Open**  **41 Closed**

Author  Label  Projects  Milestones  Reviews  Assignee  Sort



**Label issues and pull requests for new contributors** Dismiss  
 Now, GitHub will help potential first-time contributors discover issues labeled with `good first issue`

Filters 
[Labels 12](#)
[Milestones 0](#)
[New pull request](#)

[0 Open](#)  [41 Closed](#)

[Author](#)
[Label](#)
[Projects](#)
[Milestones](#)
[Reviews](#)
[Assignee](#)
[Sort](#)

[Labels](#)
[Milestones](#)

[New label](#)

12 labels			Sort
<code>admin</code>			<a href="#">Edit</a> <a href="#">Delete</a>
<code>bug</code>	Something isn't working		<a href="#">Edit</a> <a href="#">Delete</a>
<code>documentation</code>	Improvements or additions to documentation	1 open issue or pull request	<a href="#">Edit</a> <a href="#">Delete</a>
<code>duplicate</code>	This issue or pull request already exists		<a href="#">Edit</a> <a href="#">Delete</a>
<code>enhancement</code>	New feature or request	1 open issue or pull request	<a href="#">Edit</a> <a href="#">Delete</a>
<code>good first issue</code>	Good for newcomers	1 open issue or pull request	<a href="#">Edit</a> <a href="#">Delete</a>
<code>help wanted</code>	Extra attention is needed	2 open issues and pull requests	<a href="#">Edit</a> <a href="#">Delete</a>
<code>invalid</code>	This doesn't seem right		<a href="#">Edit</a> <a href="#">Delete</a>
<code>paper</code>			<a href="#">Edit</a> <a href="#">Delete</a>
<code>presentation</code>			<a href="#">Edit</a> <a href="#">Delete</a>
<code>question</code>	Further information is requested		<a href="#">Edit</a> <a href="#">Delete</a>
<code>wontfix</code>	This will not be worked on		<a href="#">Edit</a> <a href="#">Delete</a>

**Label issues and pull requests for new contributors** Dismiss

Now, GitHub will help potential first-time contributors discover issues labeled with `good first issue`

Filters  [Labels 12](#) [Milestones 0](#) [New pull request](#)

[0 Open](#) [41 Closed](#) [Author](#) [Label](#) [Projects](#) [Milestones](#) [Reviews](#) [Assignee](#) [Sort](#)

[Labels](#) [Milestones](#)

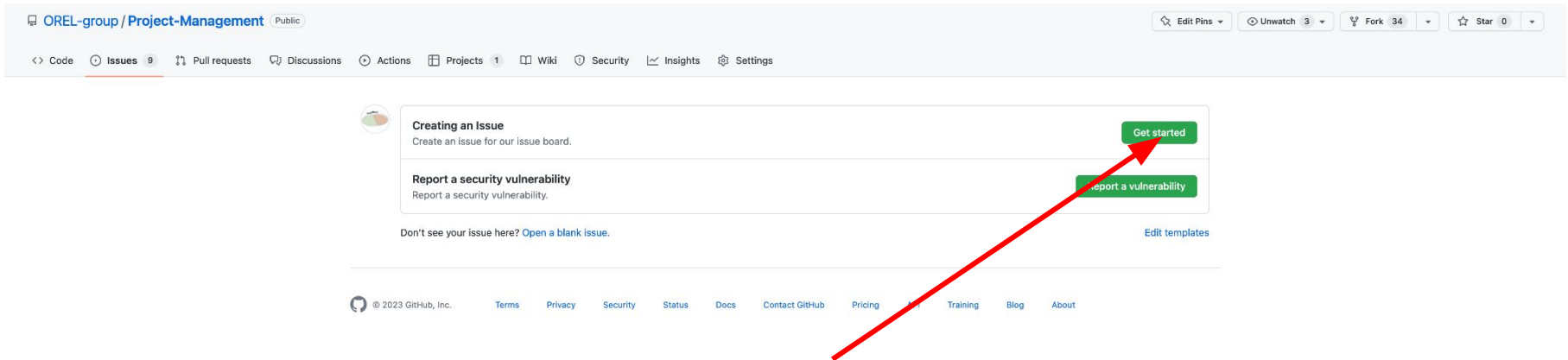
[New label](#)

12 labels			Sort
<code>admin</code>			Edit Delete
<code>bug</code>	Something isn't working		Edit Delete
<code>documentation</code>	Improvements or additions to documentation	1 open issue or pull request	Edit Delete
<code>duplicate</code>	This issue or pull request already exists		Edit Delete
<code>enhancement</code>	New feature or request	1 open issue or pull request	Edit Delete
<code>good first issue</code>	Good for newcomers	1 open issue or pull request	Edit Delete
<code>help wanted</code>	Extra attention is needed	2 open issues and pull requests	Edit Delete
<code>invalid</code>	This doesn't seem right		Edit Delete
<code>paper</code>			Edit Delete
<code>presentation</code>			Edit Delete
<code>question</code>	Further information is requested		Edit Delete
<code>wontfix</code>	This will not be worked on		Edit Delete

## Managing Issues (con't):

4) create a final issue through the repository issue template. Please follow the prompts to answer questions about your issue.

- This should be a good first issue for your final project (make an attempt to answer this, even if you have not worked out the details yet).
- assign and label your issue as appropriate.



The screenshot shows the GitHub interface for the repository 'OREL-group / Project-Management'. The 'Issues' tab is active, displaying the 'Creating an Issue' section. This section contains two templates: 'Creating an Issue' and 'Report a security vulnerability'. A red arrow points to the 'Get started' button on the 'Creating an Issue' template. The footer of the page includes the GitHub logo, copyright information for 2023, and various links such as Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, Training, Blog, and About.



# TITLE

OREL-group / Project-Management (Public)

Code Issues 9 Pull requests Discussions Actions Projects 1 Wiki Security Insights Settings

### Issue: Creating an Issue

Create an issue for our issue board. If this doesn't look right, [choose a different type](#).

Title

Write Preview H B I  `< >`

**\*\*Please describe the issue.\*\***  
A quick description of the problem.

**\*\*How is this issue actionable?\***  
Describe how this issue is actionable.

**\*\*Additional context\*\***  
Add any other context or screenshots here.

Attach files by dragging & dropping, selecting or pasting them.

Styling with Markdown is supported

Submit new issue

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone

Development: Shows branches and pull requests linked to this issue.

Helpful resources: [GitHub Community Guidelines](#)

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**Due on April 6, end of day.**