

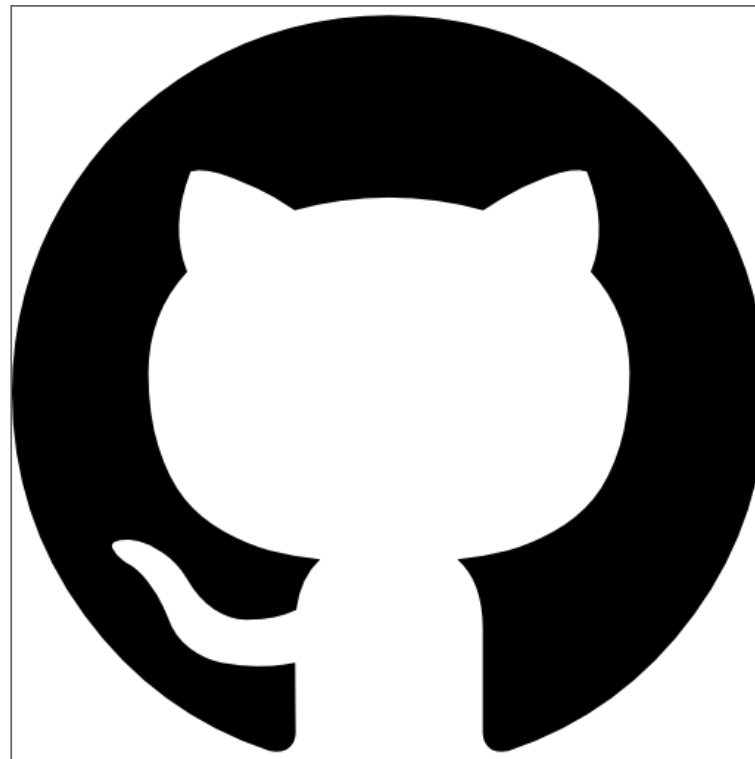
GitHub Project Management

Joseph Korszun

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Purpose

The purpose of this presentation is to outline and demonstrate the utility of GitHub Projects at a fundamental level.



Agenda

- What are GitHub Projects?
- Creating a Project in GitHub
- Managing Cards and Issues
- Fields and Customization
- Creating Views for Projects
- Automating Workflow
- Demo

What are GitHub Projects?

- Project Management software for planning and organizing
- Projects are built from issues and pull requests you add
- Provides flexible solution for your teams needs

Creating your first project

The Navigation bar with a repository is used to switch between different components.

The screenshot shows a GitHub repository page for 'joseph-ProCogia / GitHub-Project-Management'. The repository is public and has 2 commits, 0 stars, and 0 forks. The 'Code' tab is selected, showing the 'main' branch with 1 branch and 0 tags. The repository was updated with the 'Agenda' file 3 minutes ago. The README file is also updated with the 'Agenda' file 3 minutes ago. The repository description is 'Public repository for tutorial on GitHub Projects.' The 'Agenda' section lists the following topics:

- What are GitHub Projects?
- Creating a project in GitHub
- Managing Cards and Issues
- Fields and Customization
- Creating Views for Projects
- Automating Workflow
- Demo

Slides:

The right sidebar shows the 'About' section with the text 'No description, website, or topics provided.' and the 'Releases' section with the text 'No releases published' and a link to 'Create a new release'. The 'Packages' section shows 'No packages published' and a link to 'Publish your first package'.

Creating your first project

Code

File structure of software development project

Issues

Users can log bugs or enhancement requests

Pull Requests

Developers are ready to merge branches to combine code updates

Actions

GitHub actions help automate workflows in GitHub

Creating your first project

Projects

Organize development efforts with project planning

Wiki

Documentation for coding efforts, statuses and road maps

Insights

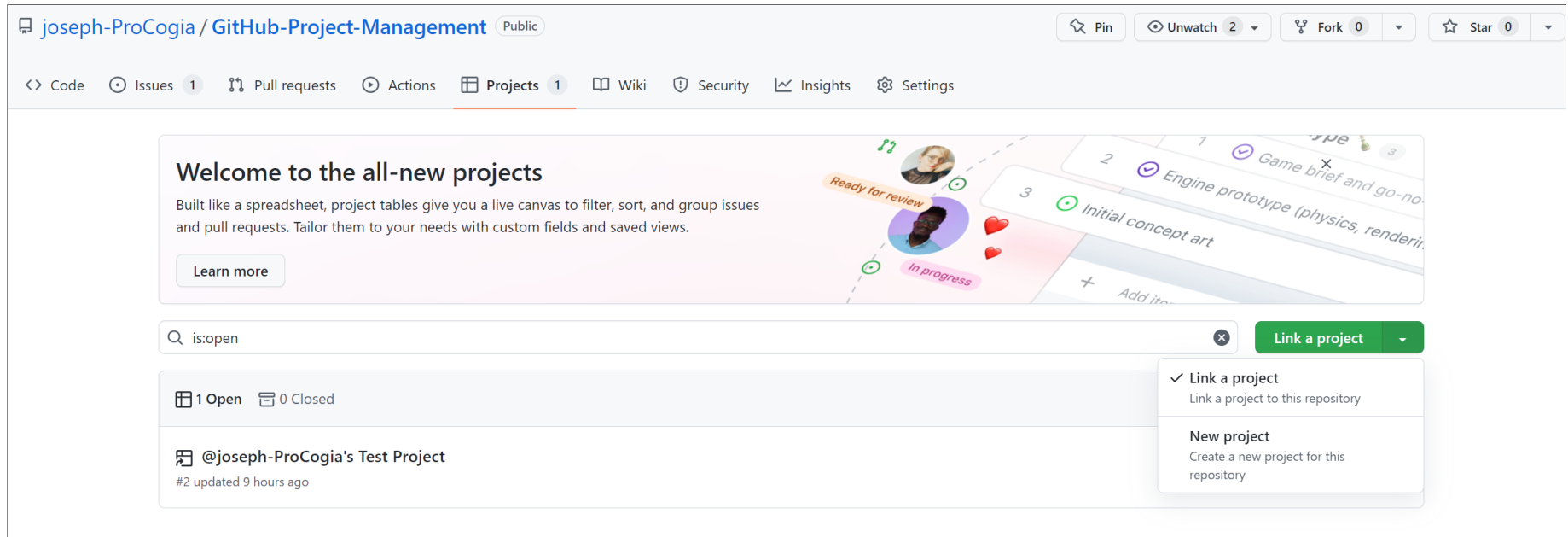
Analytics on repository commits, traffic, and forking efforts

Settings

Repository settings including security, accessibility, etc.

Creating your first project

The project tab comes with the options of linking a project to a repository or creating a new project for this repository.



Views for Projects

Project views help users look at their projects from different angles

- Filter status to view select items
- Group by a custom priority
- Sort by a custom date field

Types of Views for Projects

Table

Spreadsheet table view with ability to sort, filter or group issues and pull requests

Board

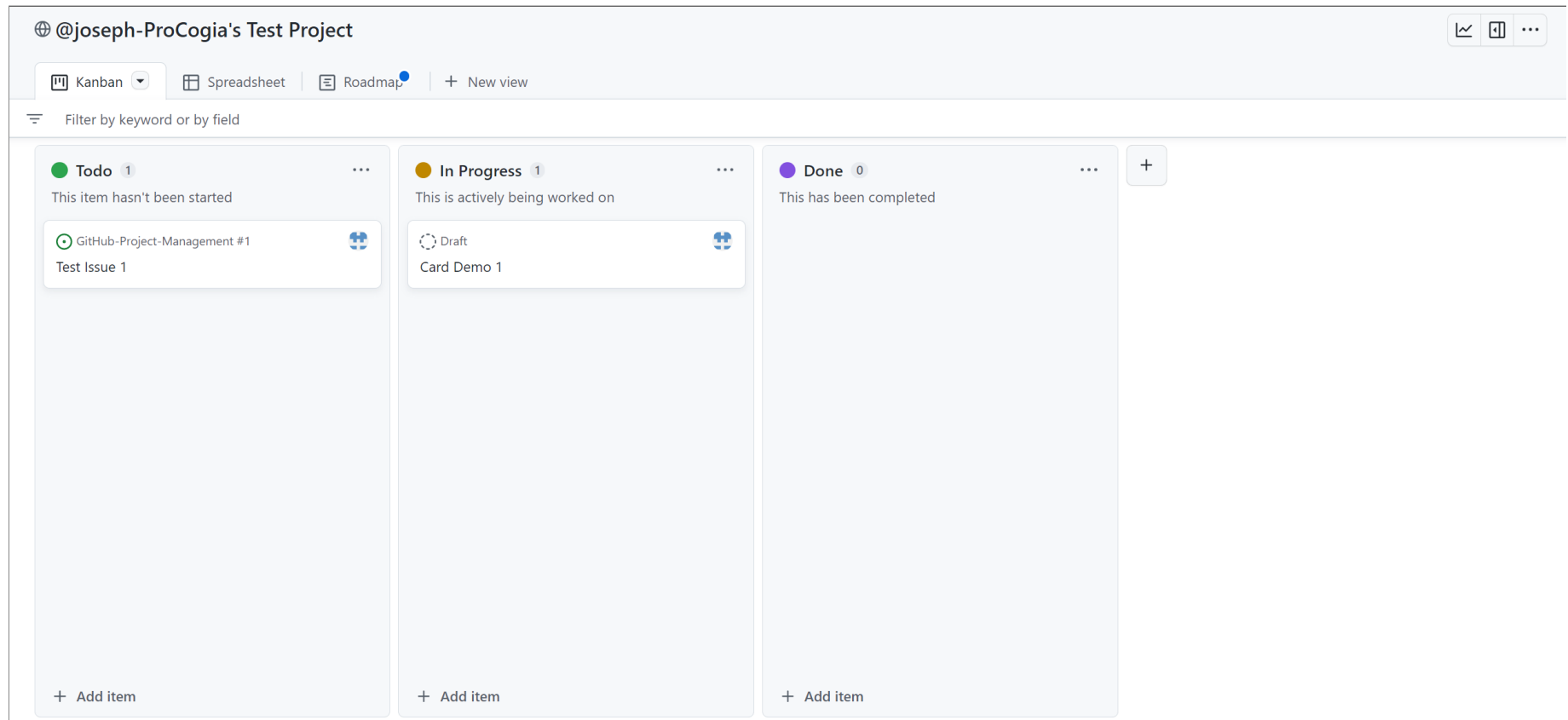
Kanban Board view with ability to sort, filter or group issues and pull requests

Roadmap

Gaant Chart view with ability to sort, filter or group issues and pull requests

Types of Views for Projects



Kanban View of GitHub Projects





Managing Cards and Issues


- Cards are in draft state, while issues can link to code commits
- To label or link to another repository cards must be issues
 - This is indicated by the status symbol within description



@joseph-ProCogia's Test Project

 Kanban 


 Spreadsheet

 Roadmap


 Filter by keyword or by field

 **Todo** 1 

This item hasn't been started



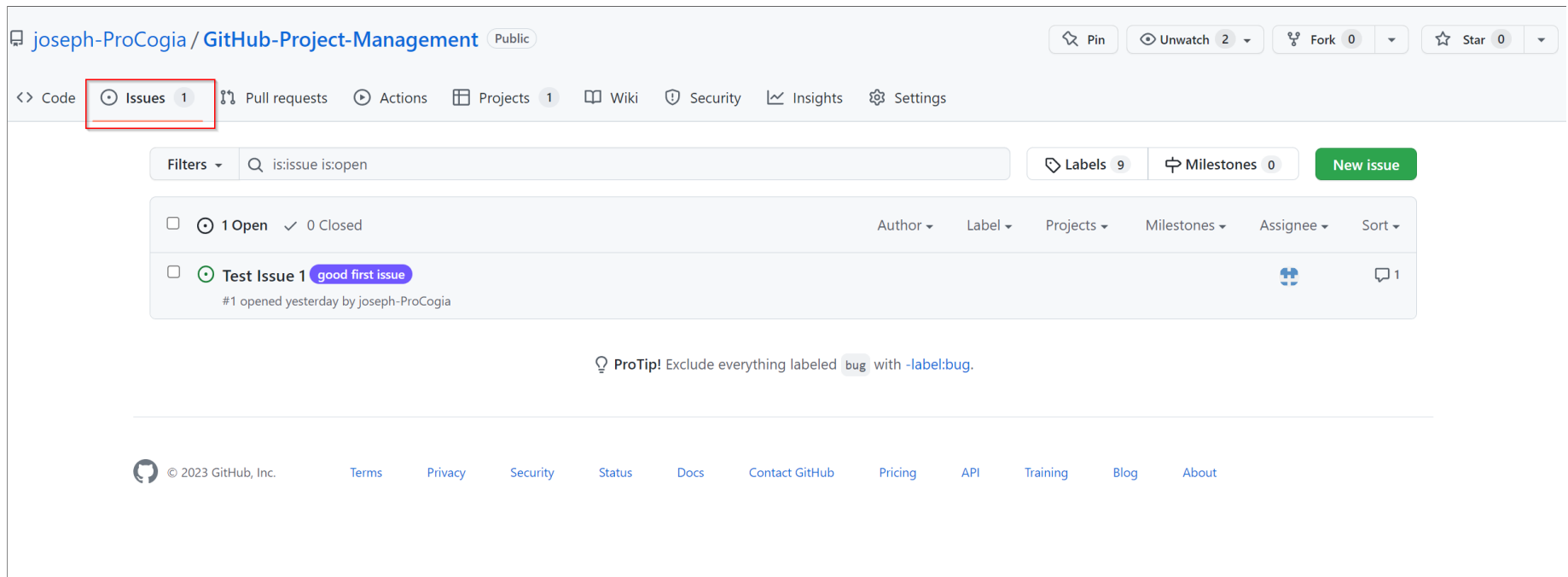
GitHub-Project-Management #1



Test Issue 1

Managing Cards and Issues

- The issues tab is for logging development issues, bugs, or enhancements
- It can be used to manage milestones, labels, or branches



Fields and Customization

There are several fields for each issue:

- Description
- Comments
- Assignee(s)
- Labels
- Milestone
- Status
- Linked Pull Requests
- Repository

Fields and Customization

GitHub-Project-Management #2

Test Issue 2 #2

Open

joseph-ProCogia opened 3 minutes ago

joseph-ProCogia 3 minutes ago

No description provided

Preview

Leave a comment

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

Close issue

Comment

Assigneesjoseph-ProCogia

LabelsAdd labels...

MilestoneAdd milestone...

Status

Todo

Linked pull requestsNo linked pull requests

RepositoryGitHub-Project-Management

Open in new tab

Copy link

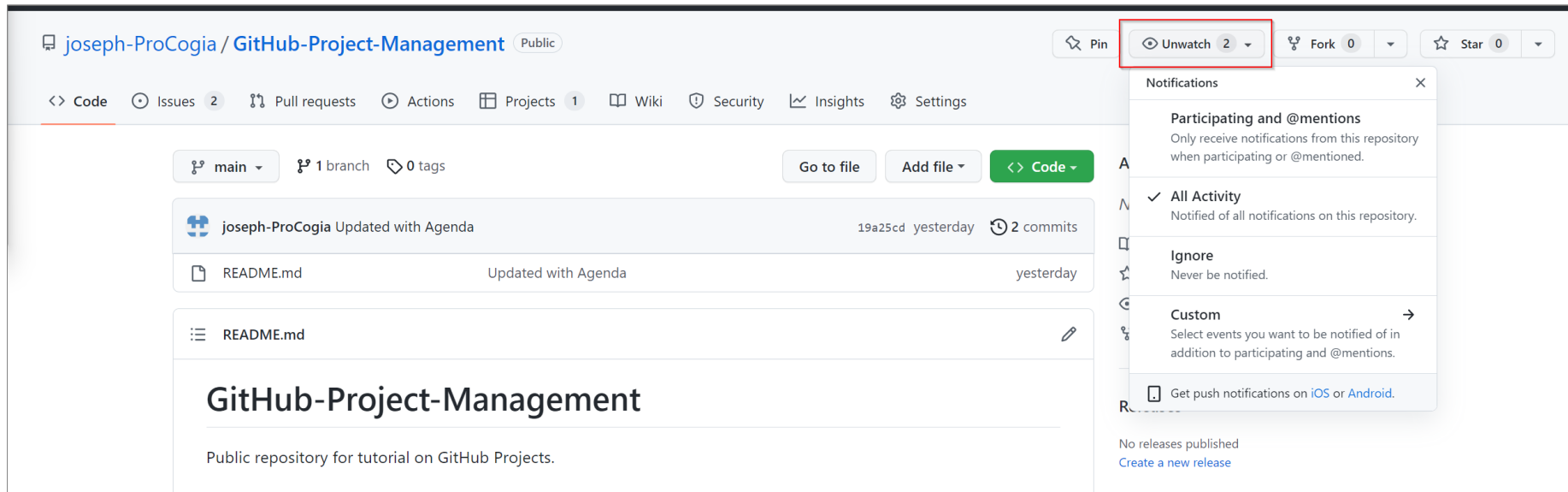
Archive

Delete from project

Setting Up Alerts for Users

- To receive email notifications you must be a collaborator or a watcher on a repository
- You can receive email notifications or GitHub notifications
 - By default email notifications will be enabled within your account settings
- Limit, customize, or ignore notifications from a watched repository

Setting Up Alerts for Users



The screenshot shows the GitHub repository page for `joseph-ProCogia / GitHub-Project-Management`. The repository is public and has 2 issues, 1 pull request, 1 project, and 1 wiki page. The 'Unwatch' button is highlighted with a red box, and the 'Notifications' dropdown menu is open, showing options to manage notifications.

Notifications

- Participating and @mentions**
Only receive notifications from this repository when participating or @mentioned.
- ☒ **All Activity**
Notified of all notifications on this repository.
- ☐ **Ignore**
Never be notified.
- ☐ **Custom** →
Select events you want to be notified of in addition to participating and @mentions.

☐ Get push notifications on [iOS](#) or [Android](#).

No releases published
[Create a new release](#)

Setting Up Alerts for Users

From: joseph-ProCogia ***@***.***>

Date: Tuesday, March 7, 2023 at 8:00 PM

To: joseph-ProCogia/GitHub-Project-Management ***@***.***>

Cc: Subscribed ***@***.***>

Subject: External:[joseph-ProCogia/GitHub-Project-Management] Test Issue 1 (Issue #1)

CAUTION: This is an external email. Please take care when clicking links or opening attachments. If you suspect malicious intent, please forward to ***@***.***

* Test Issue for demo

Reply to this email directly, view it on GitHub<#1>, or unsubscribe<<https://github.com/notifications/unsubscribe-auth/A5UPDXDZGY5FQSDM5JMVHXLW2775NANCNFSM6AAAAAAVTJDBYU>>.

You are receiving this because you are subscribed to this thread.Message ID: ***@***.***>

Automating Workflows

Users will have the ability to automate their GitHub Projects with the following options:

- Built-in Automation
- Archiving automatically
- Automation with API
- Automation with Actions

Built In Automations

- Projects can include built-in workflows for specific statuses of items
 - Ex: Automatically set status as To-Do when an item is added to project
- There is a list of default workflows that can be edited
- To enable/disable workflow select the desired workflow and toggle on/off

Built In Automations

The screenshot displays the GitHub Workflows interface. On the left, a sidebar titled 'Workflows' lists default workflows. The 'Item closed' workflow is selected and highlighted. The main area shows the workflow details for 'Item closed'. A red box highlights the 'On' trigger, which is set to 'Issue' (represented by a blue square icon). The workflow steps are as follows:

- When an item is closed**
 - Trigger: issue, pull request
- Set value**
 - Value: Status:Done

At the top right of the workflow details, there are buttons for 'On', 'Edit', and 'Viewing mode. Click edit to make changes to this workflow.'

Demo

Task:

1. Create a new GitHub project
2. Checking email notifications for users
3. Create a new card
4. Convert card to issue
5. Setting up Roadmap View
6. Creating start and end date fields
7. Create automatic archiving

References

- About GitHub Projects
- Creating A GitHub Repository
- GitHub
- Automating Projects
- Quickstart for GitHub Projects

Questions?

Error

