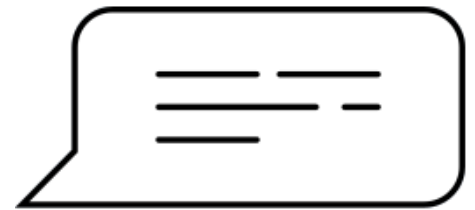
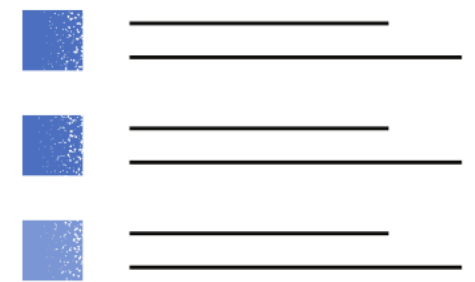
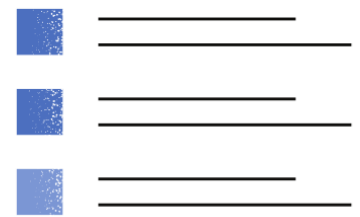




PROJECT



MANAGEMENT



OCT 17, 2024

POD 3: TRIEU HUYNH, NICOLE LONATRO, AMANDA NGUYEN

OVERVIEW

01

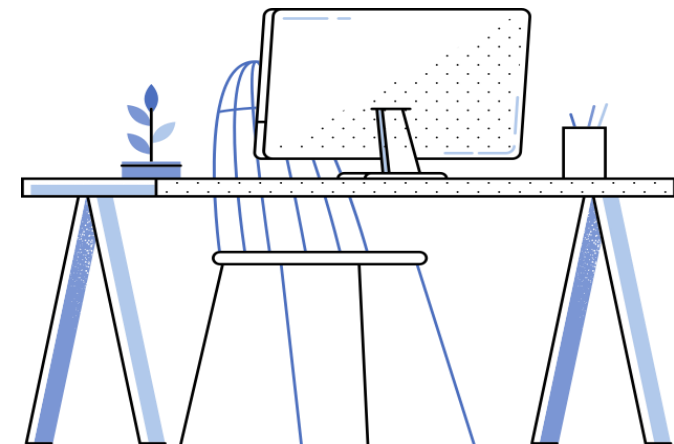
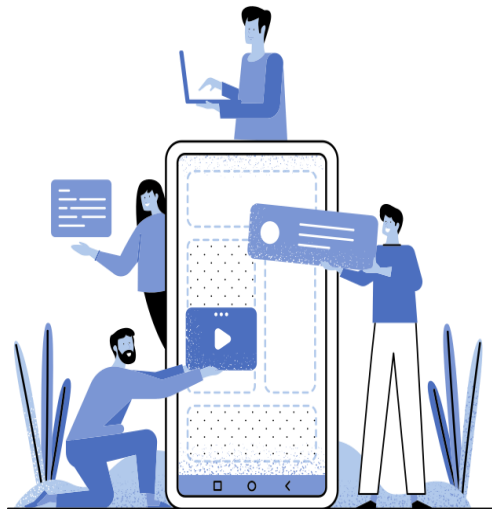
GITHUB PROJECTS

02

GITHUB ISSUES

03

PROGRESS TRACKING





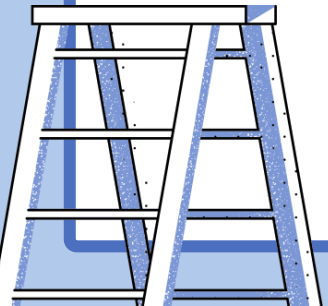
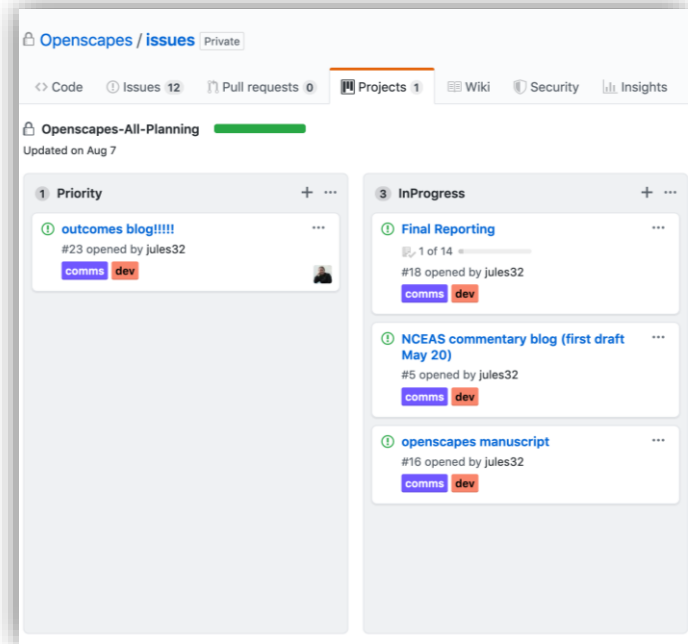
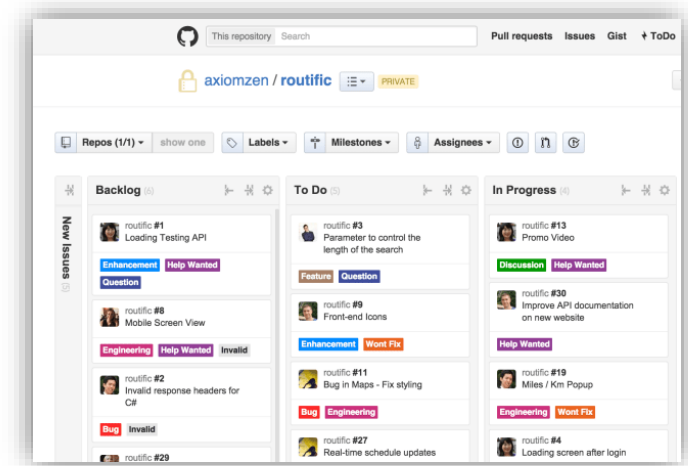
01 GITHUB PROJECTS

What are GitHub Projects?

- A tool integrated into GitHub involved around managing all the work across repositories needed to complete some deliverable.
- Flexible, customizable boards that allow teams to plan, organize, and track tasks

Why Use it?

- **Efficiency:** Reduces the need for external tools
- **Centralization:** All tasks, issues, and pull requests link directly to repository in one place

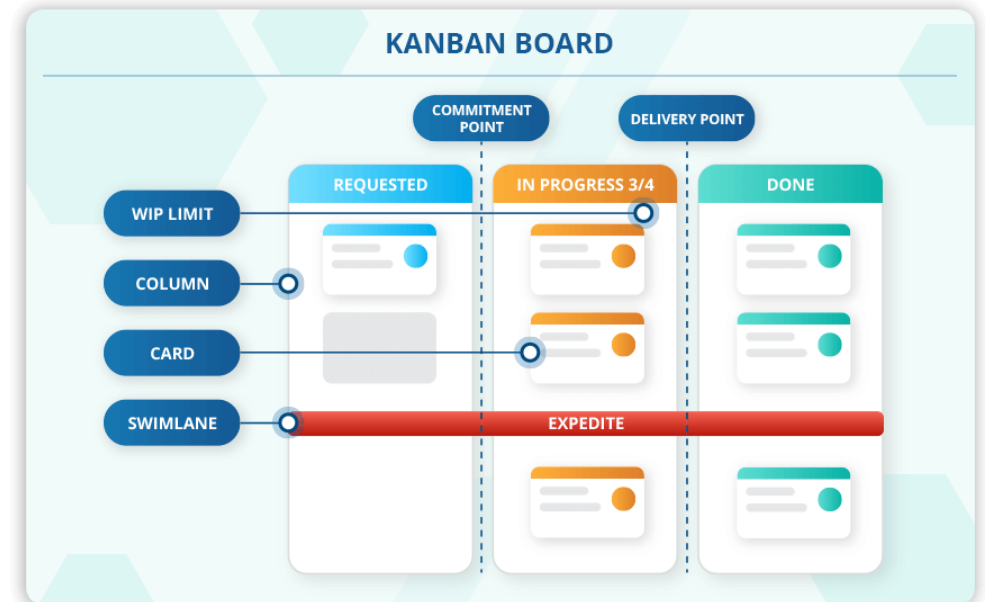


Key Features of GitHub Projects

- **Visual organization with boards:**
 - Customizable columns for different workflow stages
 - Multiple views via filtering/sorting/grouping tasks by fields like assignees, labels, due dates
- **Integration with GitHub issues and pull requests:**
 - Changes automatically updated in views when issues closed or PRs merged
 - Cards can be directly linked to issues or PRs
- **Custom fields:**
 - Ability to add metadata like priorities, deadlines, etc.
- **Automation:**
 - Move cards, assign tasks, update statuses based on predefined rules

Kanban Boards

- A visual tool that depicts work using columns to represent stages and cards to represent tasks.
- Helps teams identify bottlenecks and overcommitments
- Benefits: Visual clarity, flexibility, transparency, and team efficiency
- GitHub Projects uses Kanban-style boards





Best Practices

Collapse

**Break down
issues into
smaller issues**

Communicate

**Communicate
using built-in
features**

Descriptions

**Make use of
README,
descriptions,
and status
updates**

Views

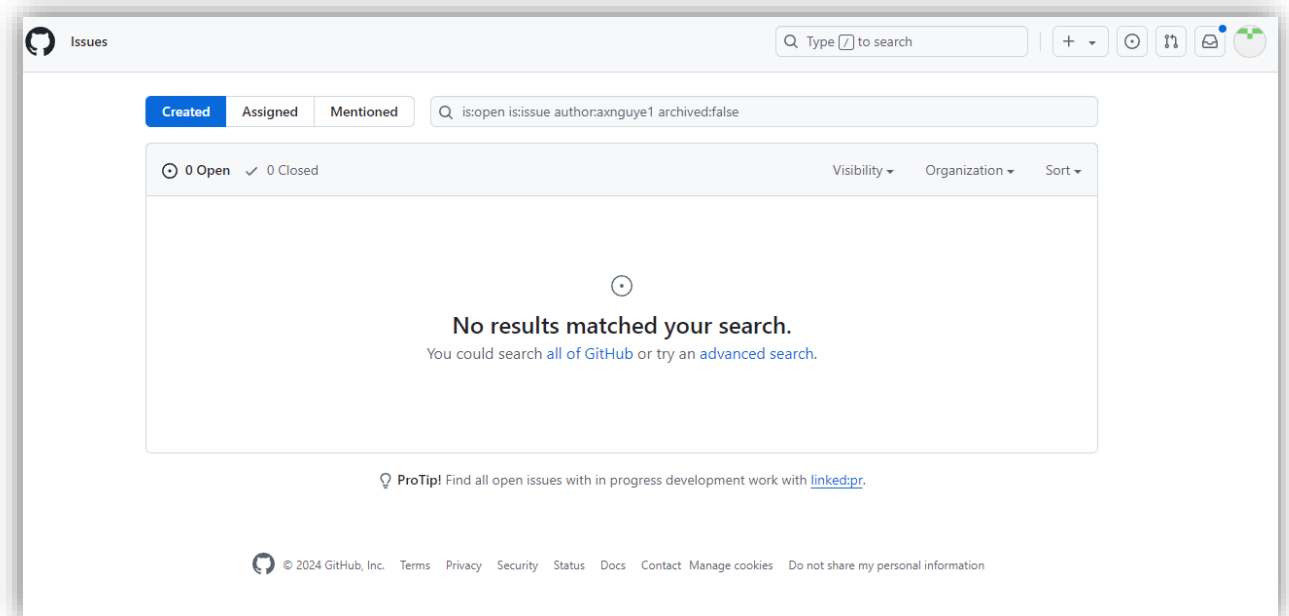
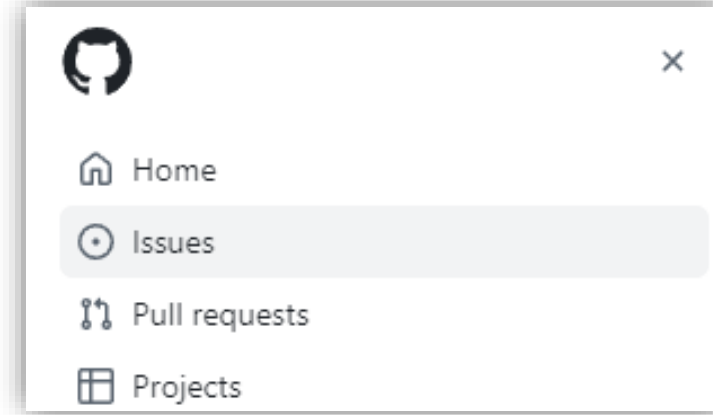
**Use views to
see project
from different
angles**



02 GITHUB ISSUES

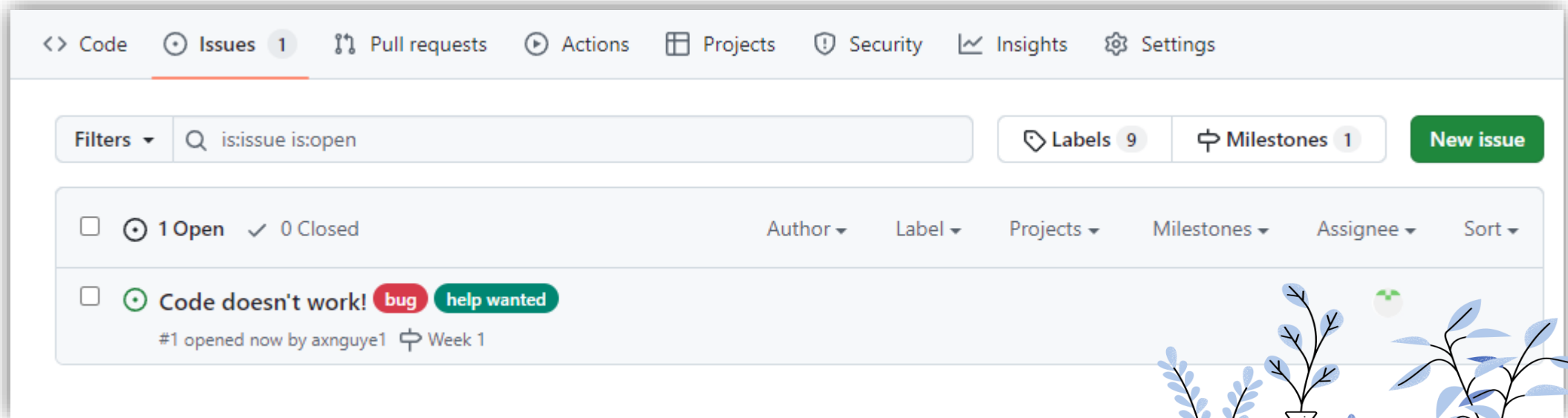
What is “Issues” ?

- Project Management feature that logs tasks, bugs, issues, etc.
- Agile Methodology
- CI/CD Integration
- Reporting and Metrics




Viewing Issues

- Labels – categorizing issues, custom labels, filtering
- Assign issues/tasks to repository members
- Enables easy access and organization.



Apply labels to this issue

- ✓ ● bug
Something isn't working
- ✓ ● help wanted
Extra attention is needed
- documentation
Improvements or additions to documentation
- duplicate
This issue or pull request already exists
- enhancement
New feature or request
- good first issue
Good for newcomers
- invalid
This doesn't seem right
- question
-  Edit labels

<> Code **Issues** Pull requests Actions Projects Security Insights Settings



Add a title

Data Errors

Add a description

Write

Preview

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📄

Data not properly being pulled in, might need a new set of data to clean.

📄 Markdown is supported

or click to add files

Assignees

 axnguyet1

Labels

bug help wanted

Projects

None yet

Milestone

Week 1

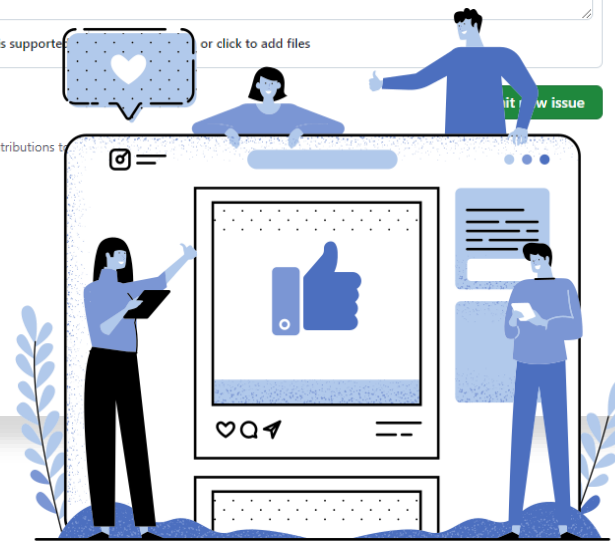
Development

Shows branches and pull requests linked to this issue.

Helpful resources

[GitHub Community Guidelines](#)

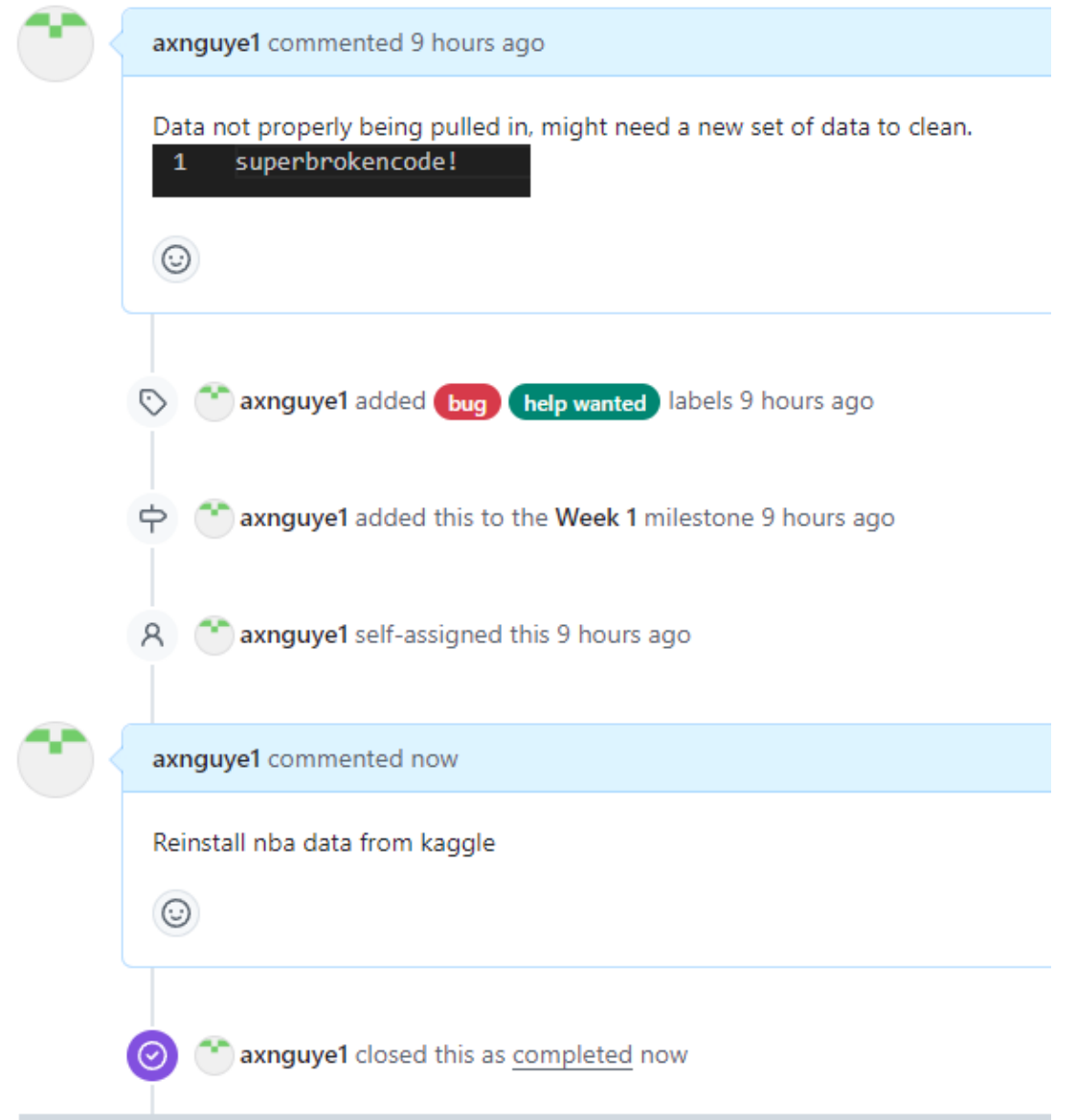
Remember, contributions to



Creating and Managing Issues

Continuous Integration/ Continuous Deployment

- Often combined with Agile Methodologies to create workflow.
- Managing Issues, improving collaboration, automated Integration testing
- Continuous error logging
- Tracking commits and errors made easy



The screenshot shows a GitHub issue thread for user **axnguye1**. The issue title is "Data not properly being pulled in, might need a new set of data to clean." and it contains a code snippet: `1 superbrokecode!`. The thread includes several updates: the user added "bug" and "help wanted" labels, added the issue to the "Week 1" milestone, self-assigned it, and finally closed it as "completed" after a comment stating "Reinstall nba data from kaggle".

axnguye1 commented 9 hours ago

Data not properly being pulled in, might need a new set of data to clean.

```
1 superbrokecode!
```

axnguye1 added **bug** **help wanted** labels 9 hours ago

axnguye1 added this to the **Week 1** milestone 9 hours ago

axnguye1 self-assigned this 9 hours ago

axnguye1 commented now

Reinstall nba data from kaggle

axnguye1 closed this as completed now



03 PROGRESS TRACKING

GitHub Projects – Table View

🔒 Workshop Project Demo

Add status update

📈

📊

⋮

📅 View 1

📅 View 2

📅 View 3

+ New view

🔍 Filter by keyword or by field

Discard

Save

	Title	⋮	Assignees	⋮	Status	⋮	Workshop Date	⋮	+
1	👉 IDE #1			▼	Done	▼	Workshop Date 1	▼	
2	👉 API Design & Development #2			▼	Done	▼	Workshop Date 1	▼	
3	👉 Documentation #3			▼	Done	▼	Workshop Date 2	▼	
4	👉 Testing Tools #4			▼	Done	▼	Workshop Date 3	▼	
5	👉 Version Control #5			▼	Done	▼	Workshop Date 3	▼	
6	👉 Code Quality Tools #6			▼	Done	▼	Workshop Date 4	▼	
▼	👉 GUI Design & Development #7			▼	Done	▼	Workshop Date 4	▼	
8	👉 Project Management #8		👤 ctrlspace	▼	In Progress	▼	Workshop Date 5	▼	
9	👉 Gesture Recognition & Interaction Tools #9			▼	Todo	▼	Workshop Date 6	▼	
10	👉 Data Management and Serialization #10			▼	Todo	▼	Workshop Date 6	▼	
11	👉 Containerization #11			▼	Todo	▼	Workshop Date 7	▼	
12	👉 Continuous Integration/ Continuous Deployment #13			▼	Todo	▼	Workshop Date 7	▼	




+

You can use Control + Space to add an item


GitHub Projects – Board View


🔒 Workshop Project Demo

Add status update



📅 View 1

 View 2

 View 3

+ New view

🔍 Filter by keyword or by field

Discard

Save

🟢 Todo 4

This item hasn't been started

🕒 testing #9

Gesture Recognition & Interaction Tools

🕒 testing #10

Data Management and Serialization

🕒 testing #11

Containerization

🕒 testing #13

Continuous Integration/ Continuous Deployment

+ Add item

🟡 In Progress 1

This is actively being worked on

🕒 testing #8

Project Management

+ Add item

🟣 Done 7

This has been completed

✅ testing #1

IDE

✅ testing #2

API Design & Development

✅ testing #3

Documentation

✅ testing #4

Testing Tools

✅ testing #5

Version Control

✅ testing #6

Code Quality Tools

✅ testing #7

GUI Design & Development

+ Add item

GitHub Projects – Roadmap View

🔒 Workshop Project Demo

Add status update

📅 View 1

📅 View 2

📅 View 3

+ New view

Filter by keyword or by field

Discard

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October 2024

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Today

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GUI Design & Development Workshop

Project Management Workshop

Pod 5 Workshop

Pod C Workshop

Pod 7 Workshop

Pod 6 Workshop

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✓ IDE #1

✓ API Design & Development #2

✓ Documentation #3

✓ Testing Tools #4

✓ Version Control #5

✓ Code Quality Tools #6

✓ GUI Design & Development #7

⦿ Project Management #8

⦿ Gesture Recognition & Interaction Tools #9

⦿ Data Management and Serialization #10

⦿ Containerization #11

⦿ Continuous Integration/ Continuous Dep... #13

+ Add item

←

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←

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✓ Code Quality Tools #6

✓ GUI Design & Development #7

⦿ Project Management #8

⦿ Gesture Recognition & Interaction Tools #9

⦿ Data Management and Serialization #10

⦿ Containerization #11

⦿ Continuous Integration/ Continuous

Adding Project Status

[illegible]

GitHub Issues

cntrlSPACE / Projects / Workshop Project Demo

Q Type [Z] to search

+

Workshop Project Demo

On track

View 1

View 2

View 3

New view

Filter by keyword or by field

Discard

Save

	Title	Assignees	Status	Workshop Date	
1	✓ IDE #1		Done	Workshop Date 1	
2	✓ API Design & Development #2		Done	Workshop Date 1	
3	✓ Documentation #3		Done	Workshop Date 2	
4	✓ Testing Tools #4		Done	Workshop Date 3	
5	✓ Version Control #5		Done	Workshop Date 3	
6	✓ Code Quality Tools #6		Done	Workshop Date 4	
7	✓ GUI Design & Development #7		Done	Workshop Date 4	
8	• Project Management #8	cntrlSPACE	In Progress	Workshop Date 5	
9	• Gesture Recognition & Interaction Tools #9		Todo	Workshop Date 6	
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11	• Containerization #11		Todo	Workshop Date 7	
12	• Continuous Integration/ Continuous Deployment #13		Todo	Workshop Date 7	

+

You can use Control + Space to add an item

GitHub Issues

cntrlSPACE / Projects / Workshop Project Demo

Type [K] to search

+ ↕ ⌂ 📁 🟢

Workshop Project Demo

On track

🔍 📅 🗒️ ...

View 1 View 2 View 3 + New view

Filter by keyword or by field Discard Save

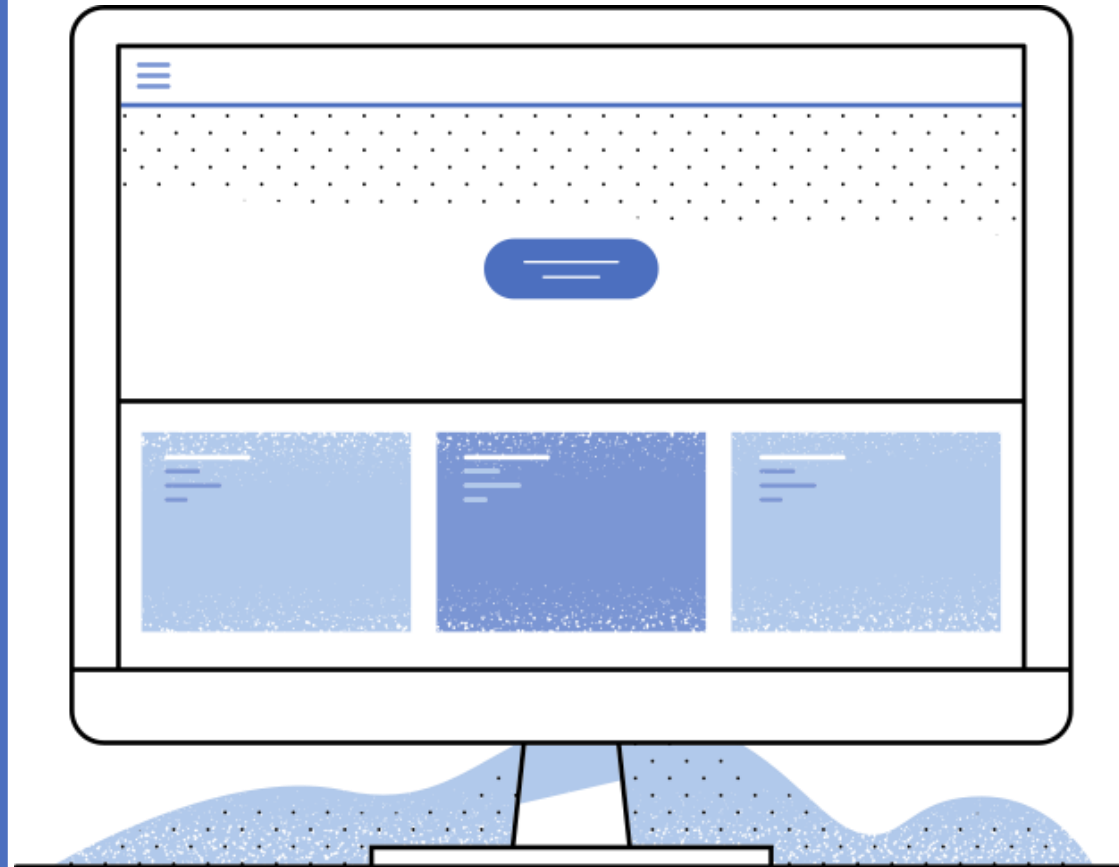
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11 Containerization #11		Todo	Workshop Date 7	
12 Continuous Integration/ Continuous Deployment #13		Todo	Workshop Date 7	

+ You can use Control + Space to add an item

QUESTIONS?

DELIVERABLE:

Create your own GitHub Project for your pod.



Source:
<https://docs.github.com/en/issues>