Sunfish development workflow

Proposal

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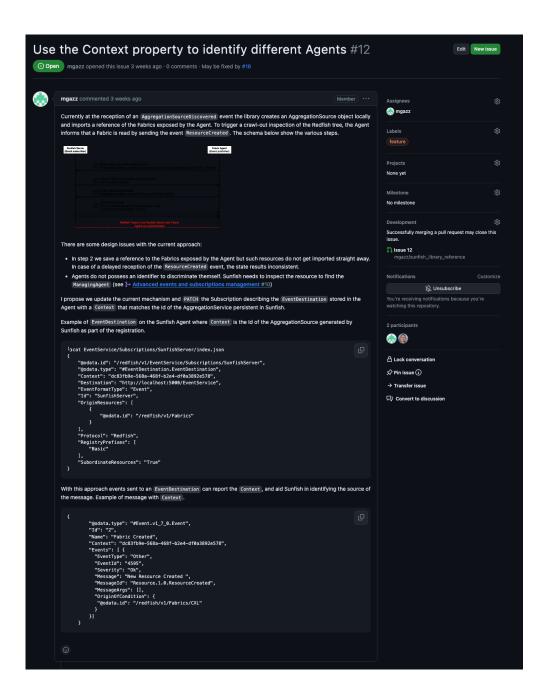
 New ideas/functionalities proposal, development and acceptance

Code development

How to submit a new idea for review

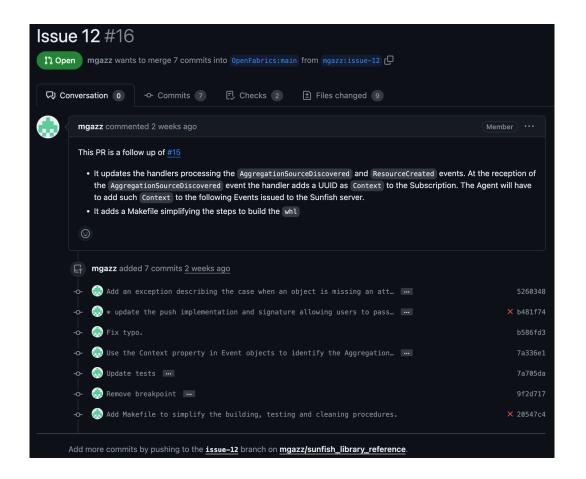
- Submit a new issue on GitHub
 - Tag the issue with the feature label
 - Describe the problem you are trying to solve
 - Propose a detailed solution approach
 - Include charts, code snippets or whatever you deem to be necessary.
- Prepare a slide deck for presentation to the Sunfish plenary meetings
 - Attach the deck to the github issue
 - Email the WG co-chairs to get a slot in the agenda
 - Update the issue after the weekly meeting discussion
 - Anything that people should have a look at must be attached to the GH issue
- You can also have your code implemented already
 - Open a pull request (see next slide) and link it with the issue
 - It will be reviewed/merged only after the issue is approved
- Iterate until the solution is approved
 - When approved the co-chairs will label the issue as approved.

Same applies to documentation. Just label the issue as documentation



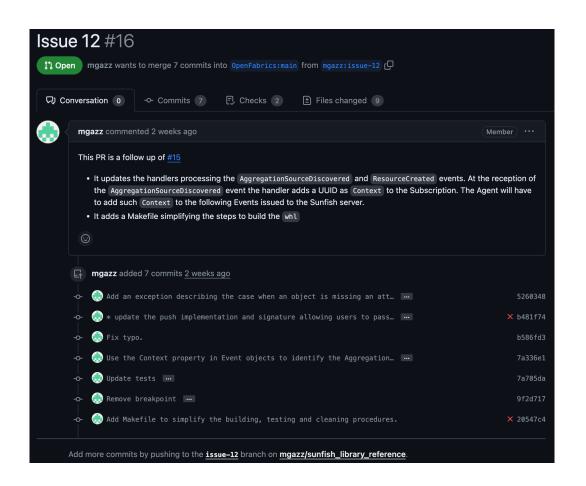
Implementation of the new feature

- Whoever created the issue takes responsibility for providing an implementation
 - Not necessarily the person but the organization they represent within Sunfish
- When the code is ready submit a pull request named as:
 - Issue ISSUE_NUMBER (See figure on the right)
 - ISSUE_NUMBER is the number of the issue created for proposing the new feature
 - The PR must be created from a fork of the original project
 - Fork the project in your GH account, create a branch named issue-ISSUE_NUMBER
 - Link the PR with the issue



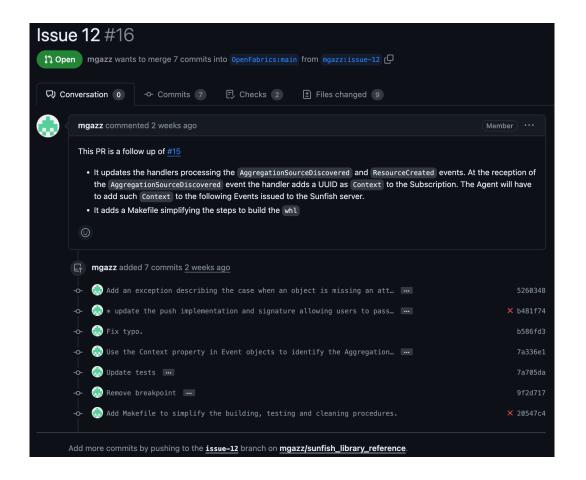
Implementation of the new feature

- Can I request a feature that I cannot implement?
 - This is the case for bugs or nice-to-have features
 - Label the issue as *bug* or *nice-to-have*
 - The issue will be evaluated by the maintainers and discussed at the next weekly meeting (time allowing) where feasibility and priority will be identified
 - Questions may be asked on the issue for further clarifications
 - If important and someone can take over implementation, it will be done following the same PR style in prev slide.



Reviewing a PR

- At least 2 reviewers are required for each PR
- The code MUST be checked out and tested
 - Do not just click "approved"
 - I know we have automated tests
- The code must be looked at thoroughly and verified for bad programming habits, issues with the implementation, etc...
 - Add comments in the review accordingly and request for changes



Regular maintenance updates on issues

- Use ~ 10 minutes in the weekly meeting for discussing open issues that are important
- Request further comments in the issue thread should it be needed
- Record any updates in the issue thread

Summary

- If it's not on GitHub it DOES NOT EXIST
- If it wasn't discussed (either on GH or in a meeting) and approved it will never be merged
- Do not push your code randomly

