Code Review

What is it about?

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Agenda

- What do we want to achieve with code reviews?

- Tips for reviewers

- Tips for change authors

- Different ways of conducting code reviews

What do we want to achieve?

The primary purpose of code review is to make sure that the overall health of the code base is improving over time.

An approved change will definitely improve the overall code health of the system being worked on, even if the change is not perfect.

– from "The Standard of Code Review"
in Google's Engineering Practices

Tips for reviewers

Look for …

Good Things

Design   Style

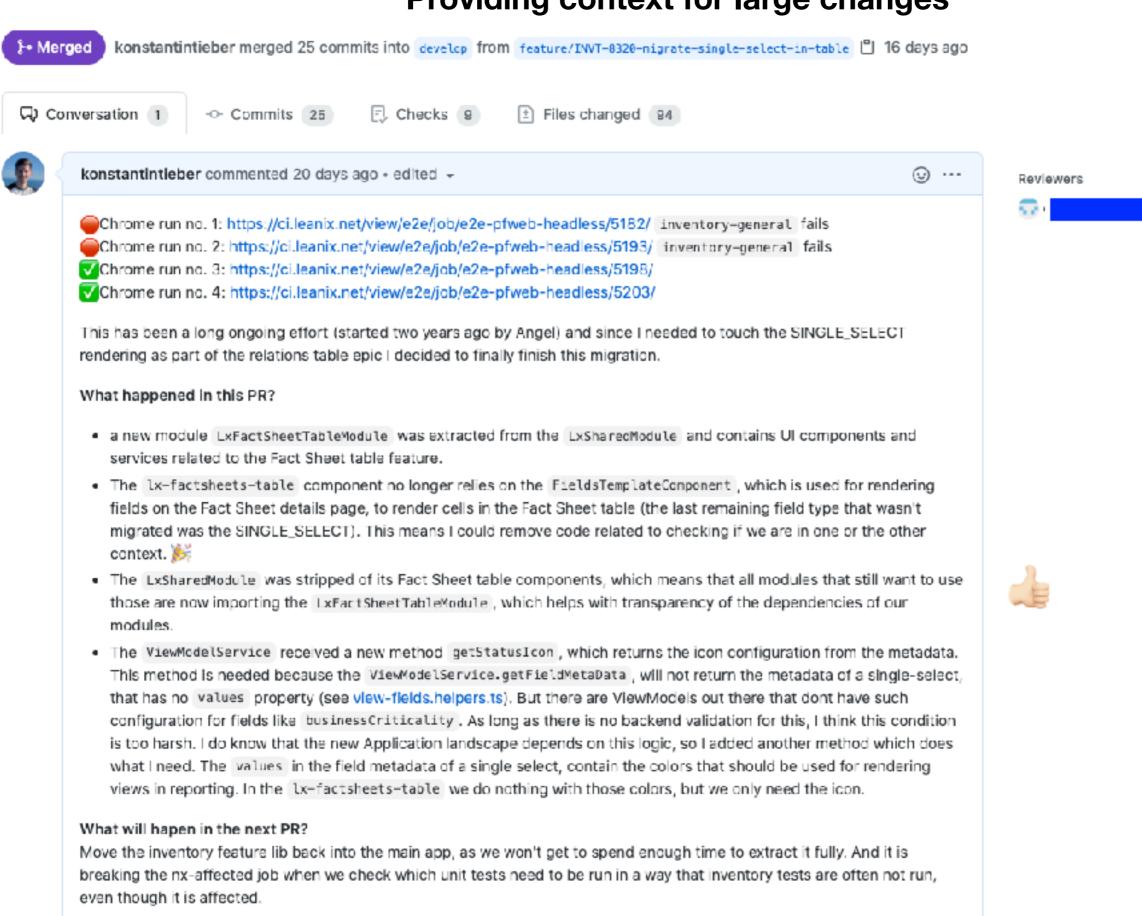Naming   🧐   Consistency

Tests   Documentation

YAGNI   Functionality

Do code reviews as soon as possible

Tips for authors

Providing context for large changes

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+925 −494 ■■■■▩

Conversation 1 | Commits 25 | Checks 9 | Files changed 94

konstantintieber commented 20 days ago · edited ▾

🙂 ···

🔴Chrome run no. 1: https://ci.leanix.net/view/e2e/job/e2e-pfweb-headless/5182/ `inventory-general` fails
🔴Chrome run no. 2: https://ci.leanix.net/view/e2e/job/e2e-pfweb-headless/5193/ `inventory-general` fails
✅Chrome run no. 3: https://ci.leanix.net/view/e2e/job/e2e-pfweb-headless/5198/
✅Chrome run no. 4: https://ci.leanix.net/view/e2e/job/e2e-pfweb-headless/5203/

This has been a long ongoing effort (started two years ago by Angel) and since I needed to touch the SINGLE_SELECT rendering as part of the relations table epic I decided to finally finish this migration.

What happened in this PR?

- a new module `LxFactSheetTableModule` was extracted from the `LxSharedModule` and contains UI components and services related to the Fact Sheet table feature.
- The `lx-factsheets-table` component no longer relies on the `FieldsTemplateComponent`, which is used for rendering fields on the Fact Sheet details page, to render cells in the Fact Sheet table (the last remaining field type that wasn't migrated was the SINGLE_SELECT). This means I could remove code related to checking if we are in one or the other context. 🎉
- The `LxSharedModule` was stripped of its Fact Sheet table components, which means that all modules that still want to use those are now importing the `LxFactSheetTableModule`, which helps with transparency of the dependencies of our modules.
- The `ViewModelService` received a new method `getStatusIcon`, which returns the icon configuration from the metadata. This method is needed because the `ViewModelService.getFieldMetaData`, will not return the metadata of a single-select, that has no `values` property (see view-fields.helpers.ts). But there are ViewModels out there that dont have such configuration for fields like `businessCriticality`. As long as there is no backend validation for this, I think this condition is too harsh. I do know that the new Application landscape depends on this logic, so I added another method which does what I need. The `values` in the field metadata of a single select, contain the colors that should be used for rendering views in reporting. In the `lx-factsheets-table` we do nothing with those colors, but we only need the icon.

What will hapen in the next PR?
Move the inventory feature lib back into the main app, as we won't get to spend enough time to extract it fully. And it is breaking the nx-affected job when we check which unit tests need to be run in a way that inventory tests are often not run, even though it is affected.

For reviewing I recommend a commit-by-commit reading, as the files changed can get confusing

Reviewers ⚙

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👍

Tips for authors

Commit style

Minimize change size

Meaningful naming

Communicate on change requests

Value the reviewer's time

Don't rely on review to spot bugs

Describe the context if needed

Don't take it personally

Different ways of conducting reviews

Written on PR

- Can be done asynchronously

- Communication is always documented

- Less personal

In a call / In person

- Less lonely #covid

- Not asynchronous

- Still write change requests down on PR

- More chances for questions

- Developer shouldn't guide the call too much, reviewer asks questions

Questions

- Where was I wrong?

- What is your goal when doing a code review?

- What do you wish developers who request reviews from you would do?

Links

- https://google.github.io/eng-practices/

- https://blog.jetbrains.com/upsource/2015/07/23/what-to-look-for-in-a-code-review/

- https://mtlynch.io/code-review-love/