# KEITH Release Checklist

This guide should be consulted whenever one adds a major change to KEITH.

This can either be a Theia or Sprotty update, merging with the master (this is hopefully no longer needed in the future), or a major functionality upgrade.

For checking UI elements you should always use a Chrome or Chromium browser.

## Check before building a product/merging:

### General

- [ ] Does the LS start in socket mode? (stdin/out not possible to check efficiently)
- [ ] Do all supported languages have syntax highlighting?
- [ ] Do language features such as content assist work for the supported languages? (Check at least one from pragmatic and semantic and two from the some language hierarchy)

### Views

- [ ] Does the compiler/simulation/diagram/diagram-option/.. view open
- [ ] Are keybindings assigned to open/close each view?
- [ ] Check what happens if all views are initially closed before reload?
- [ ] Is the welcome page visible if you initially open a workspace?

### Compiler View

- [ ] Try to compile a model
- [ ] Click on a snapshot and look whether it is displayed in the diagram view
- [ ] Is the progress bar visible during compilation, is there something weird displayed in the progress bar.

### Simulation View

- [ ] Simulate a model. Can you step, show input/output, play, pause, stop, ...?
- [ ] Are current states correctly highlighted in the model?
- [ ] Are current states correctly highlighted if a snapshot model is simulated? To check this you have to simulate a model that introduces different states in their snapshot model.

### Diagram View

- [ ] Source code highlighting
- [ ] Highlighting of elements
- [ ] In the future: does diagram interaction still work
- [ ] Check collapse/expand
- [ ] Check whether clicking on the label "+" expands it nevertheless
- [ ] ...

### Diagram Option View

- [ ] Do all diagram options work? (TODO list all that are know to not work correctly)

### Diagram Interaction

- [ ] Check all directions
- [ ] Check hierarchical graphs
- [ ] Check whether ctrl+z works
- [ ] Check adding layer only constraint
- [ ] Check position only constraint

- [ ] Check deleting constraint
- [ ] Check different shift modi

## OS/Browser compatibility

- [ ] Does it run on Linux/Windows/maybe Mac?
- [ ] Does in run in Chrome/Chromium/Chromium in Electron/Firefox/...?