**Investigate**:

1. finding diff in XML

2. tracability to input (ask Jimmy)

**Questions**:

1. get IR for different stages

Ans: we can get but need to use some function to generate the XML

2. compare difference in IR at different stage

Ans: compare

- There are modules -> They represent IR.

- check Language.Clafer -> Clafer.hs

- Function to translate IR into XML.

3. once we find the difference, how can we localize the error

Ans: based on different diff stage

4. version of compiler

Ans: look for commit

**New Information:**

1. each stage of the compiler just update the IR value (maybe schema if new function added)

**Good to Have:**

class Diff{

old value

new value

line number

tracibility to input (!!)

}

**ToDo:**

1. need simple IRs for 2 versions of compiler

2. java code diff program (current goal is to determine the field, value difference)

possible error report

field A -> line 10 ->stage 4