

University of Calgary
SENG 300 - Introduction to Software Engineering

Group Project Iteration 1
Finding Declarations and References

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1 Structural Diagram

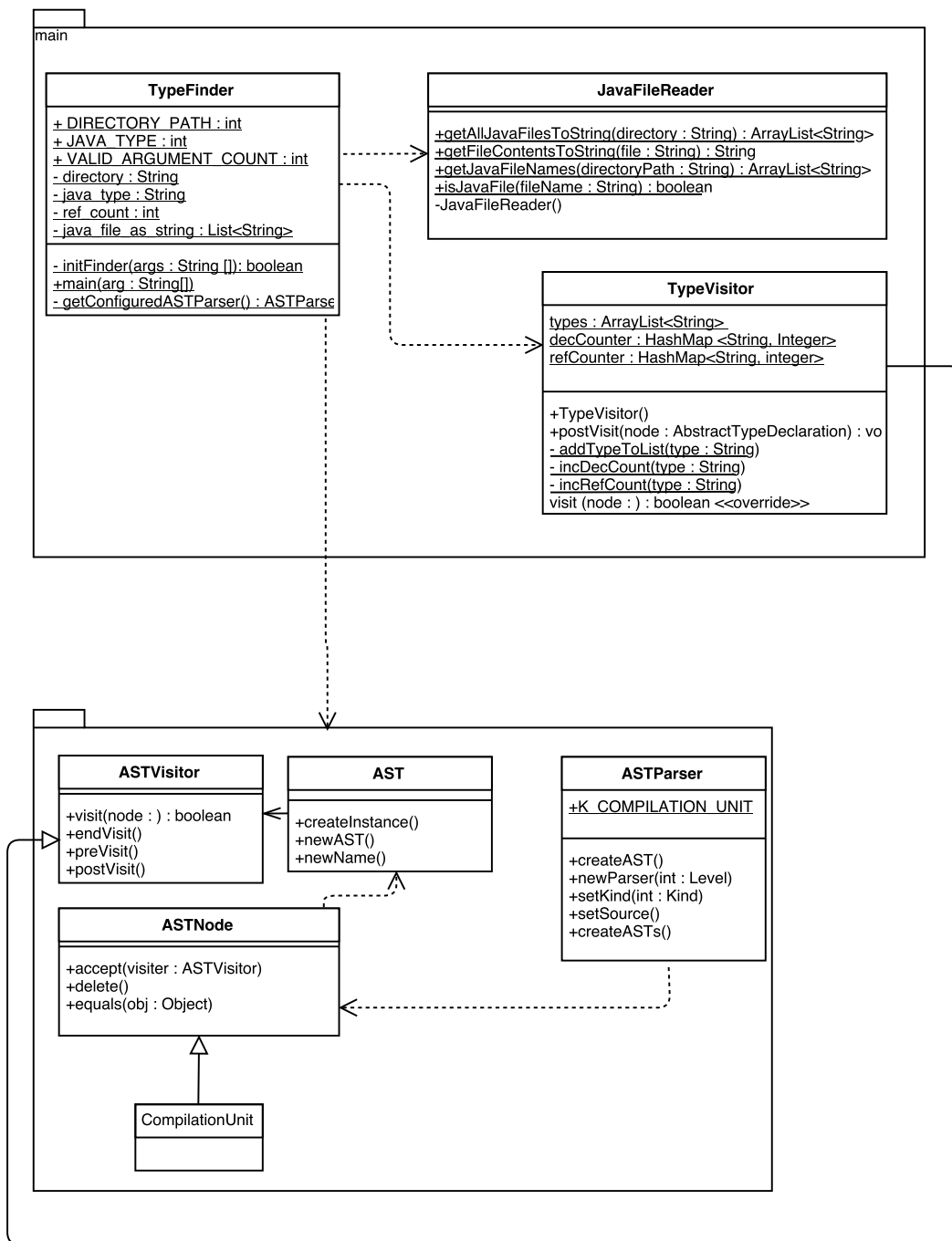


Figure 1

2 Sequence Diagrams

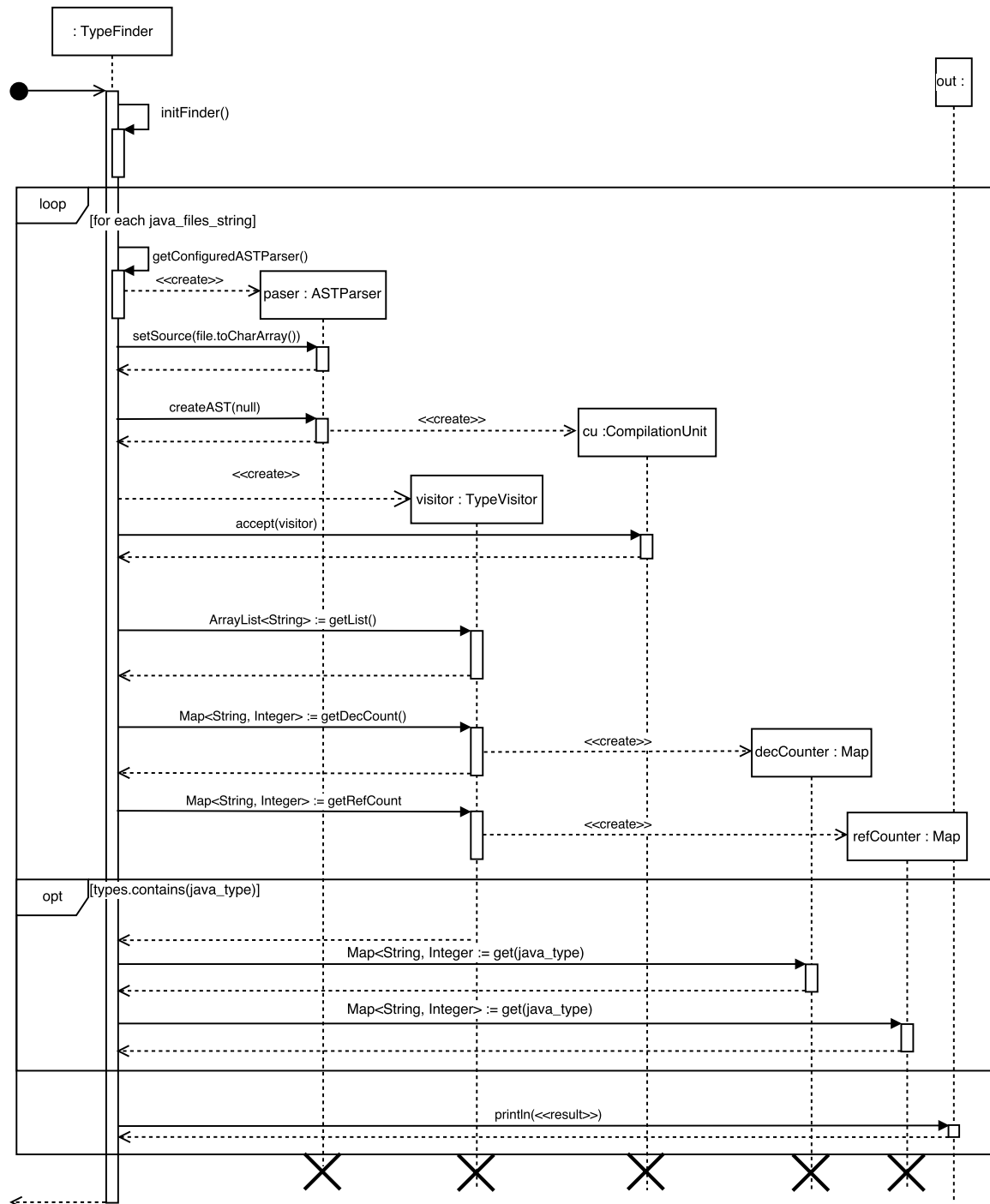


Figure 2

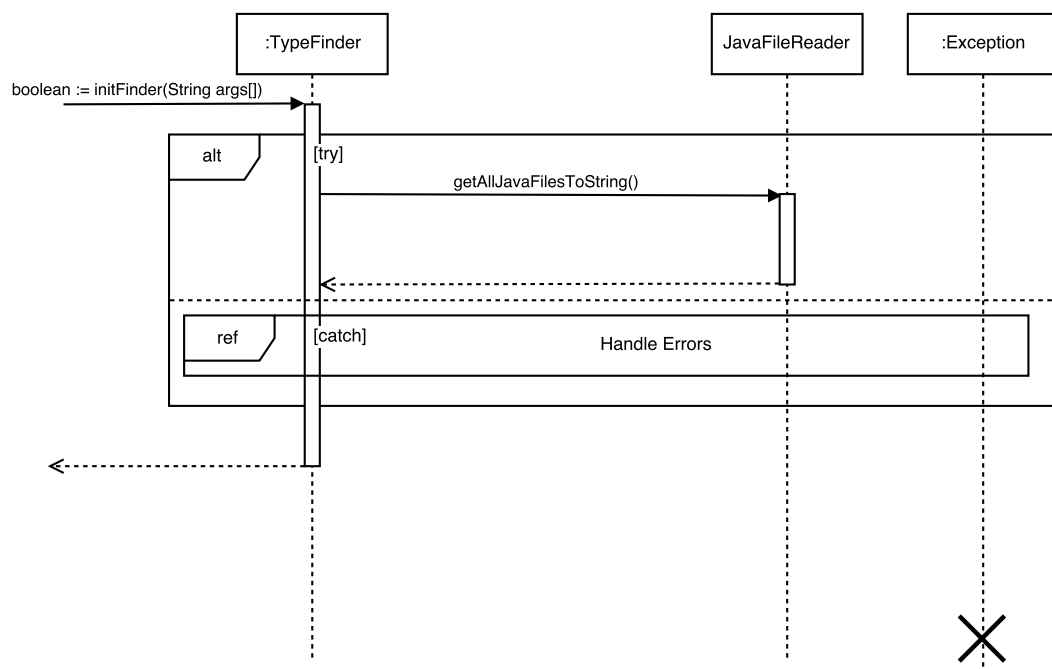


Figure 3

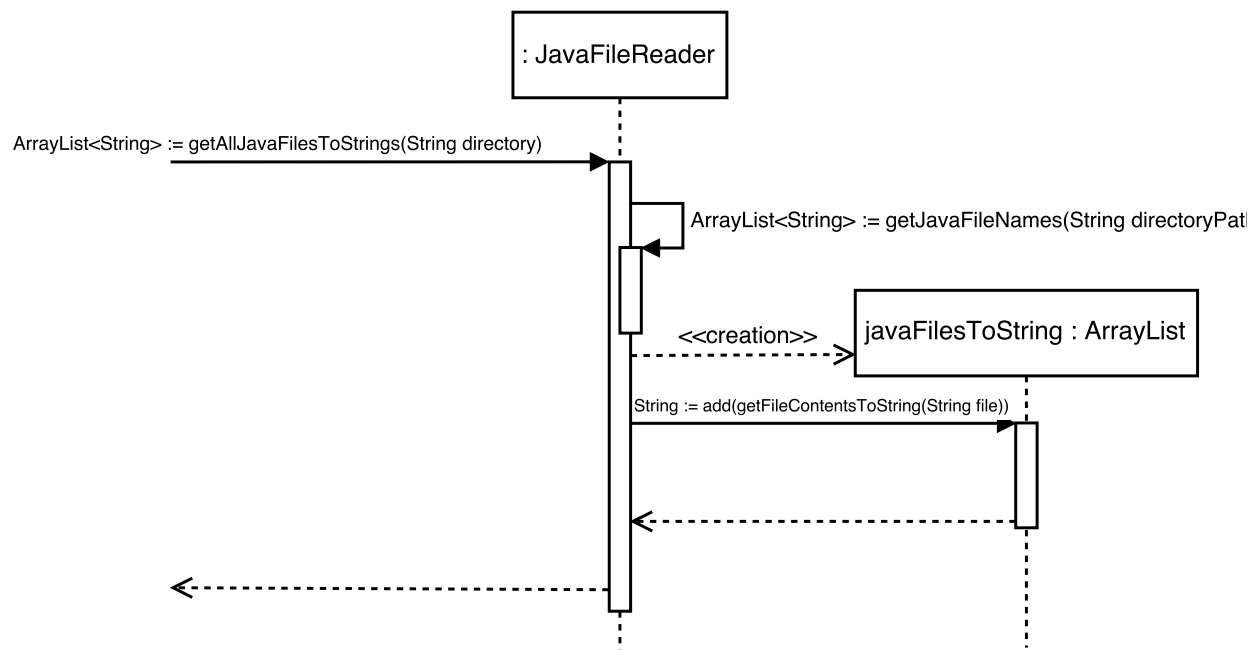


Figure 4

3 State Diagram

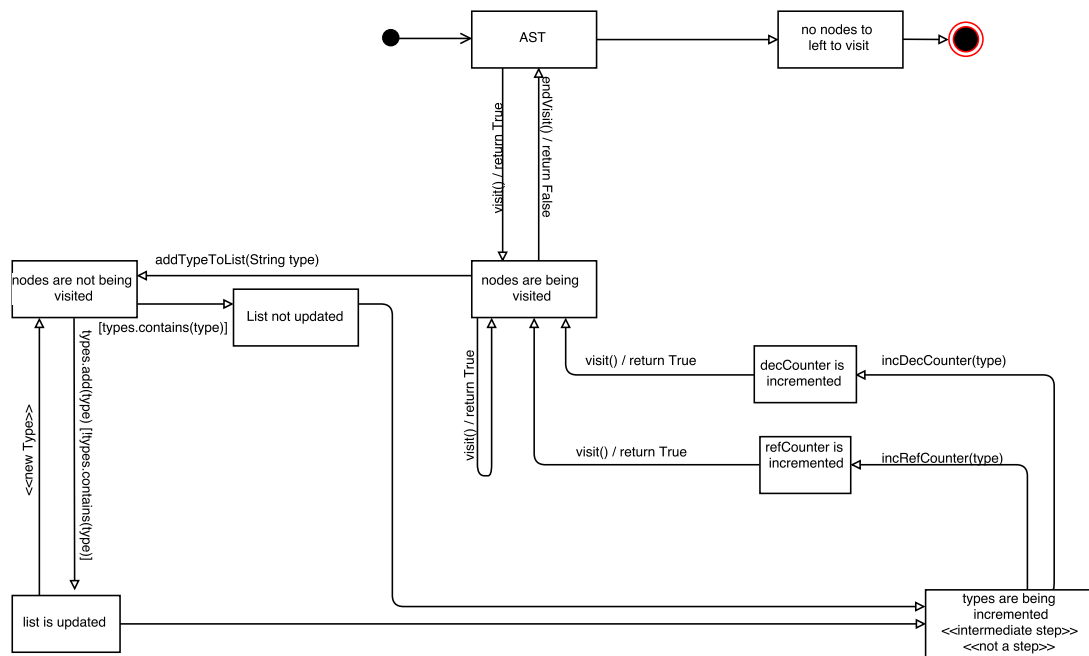


Figure 5

4 Explanation

The inner workings of the `getConfiguredASTParser()` method is non-essential to the client's understanding of the software. Thus the details were abstracted away and not expanded on. Another aspect of the code that was abstracted away was most of the methods in `JavaFileReader`. We modeled a very broad overview, this informs anyone viewing the model (provided some basic knowledge of java) of what is happening. Had we made our diagram anymore specific in this area, it would draw attention away from the more important functionality of the software, and would only overwhelm the viewer.