

SENG 300

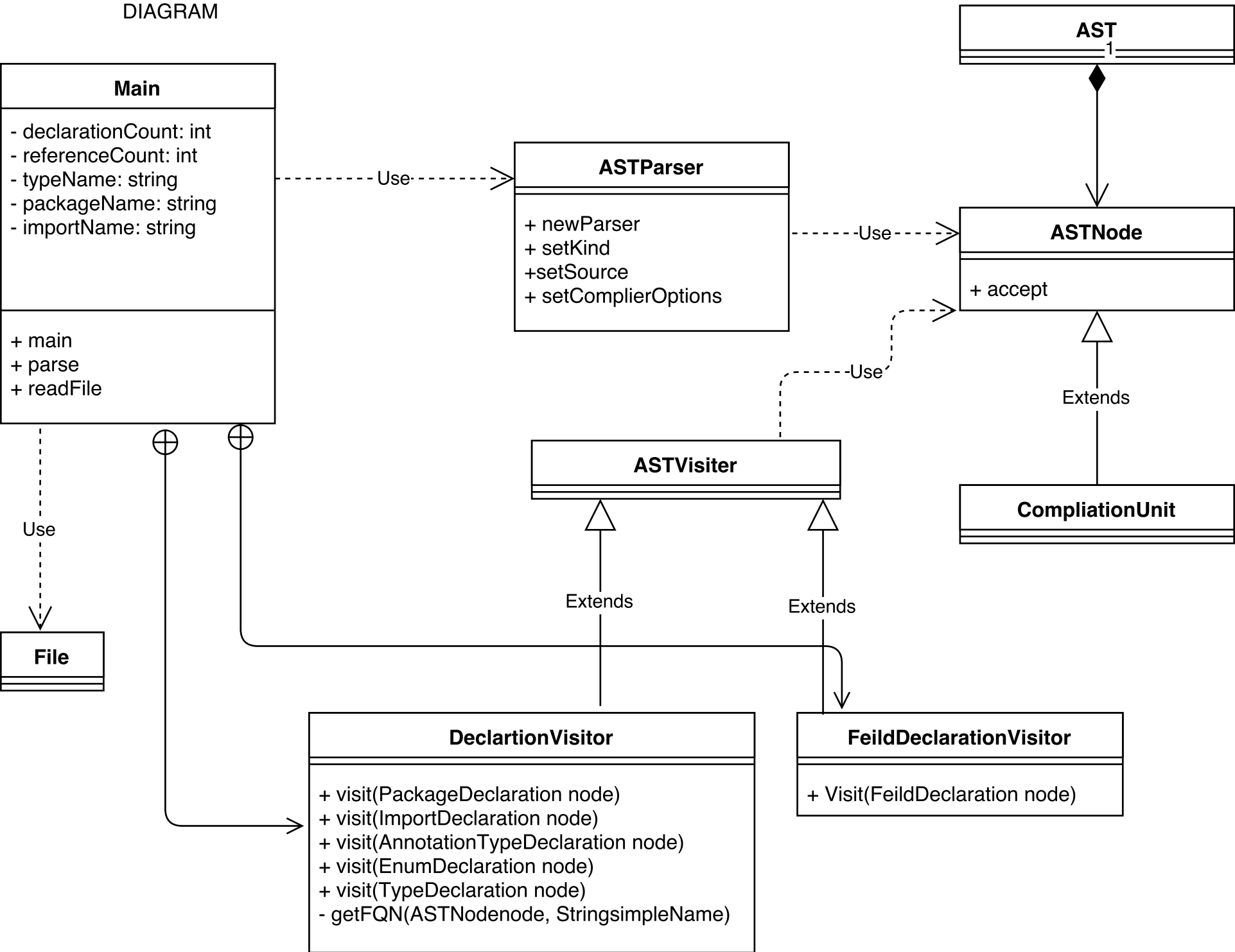
TEAM 14

Aaron Hornby: 10176084

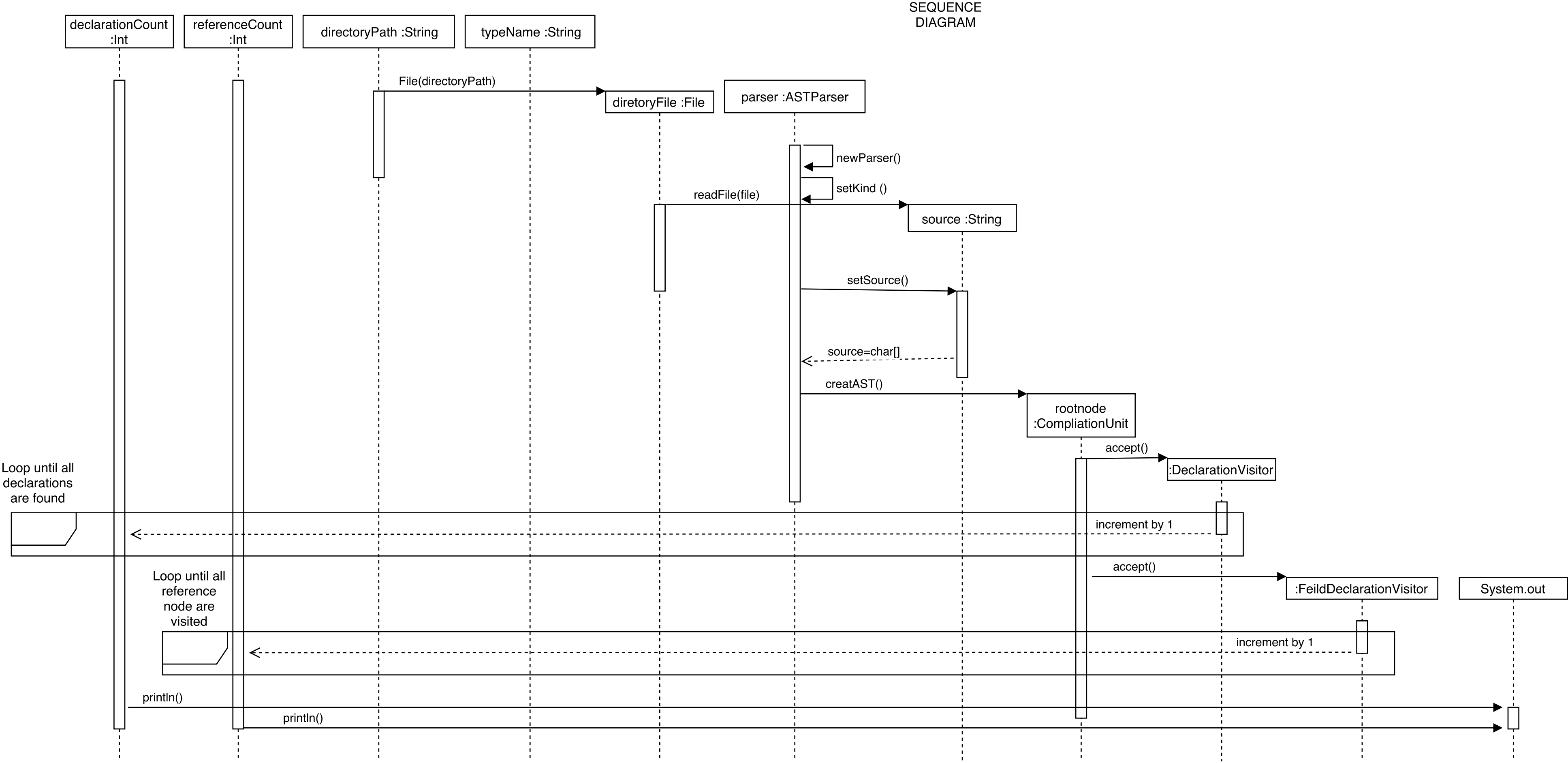
Pat Sluth: 30032750

Preston Haffey: 10043064

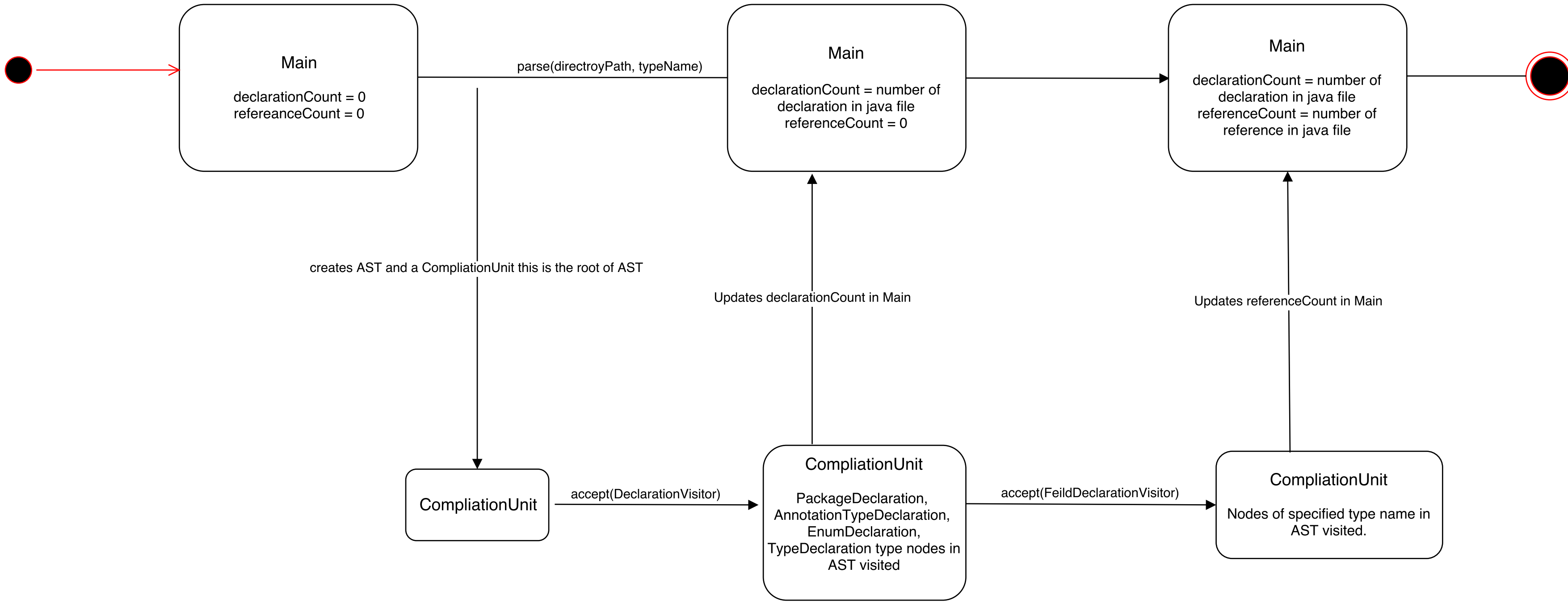
# STRUCTURE DIAGRAM



SEQUENCE  
DIAGRAM



SEQUENCE  
DIAGRAM



Comments on the State Diagram:

The State diagram shows the change in state of the Main class. It shows how the fields `declarationCount` and `referenceCount` change when the `parse(directoryPath, typeName)` event happens. Because this is accomplished with one method call, we have also included a representation of the `CompliationUnit` class that represents the root of the AST. This is shown as branching from the `parse` event of the Main class. We then show how the state of the AST changed with the two `accept()` events on `CompliationUnit`. We also show how the `accept` events on the `CompliationUnit` affect the fields of the Main class.