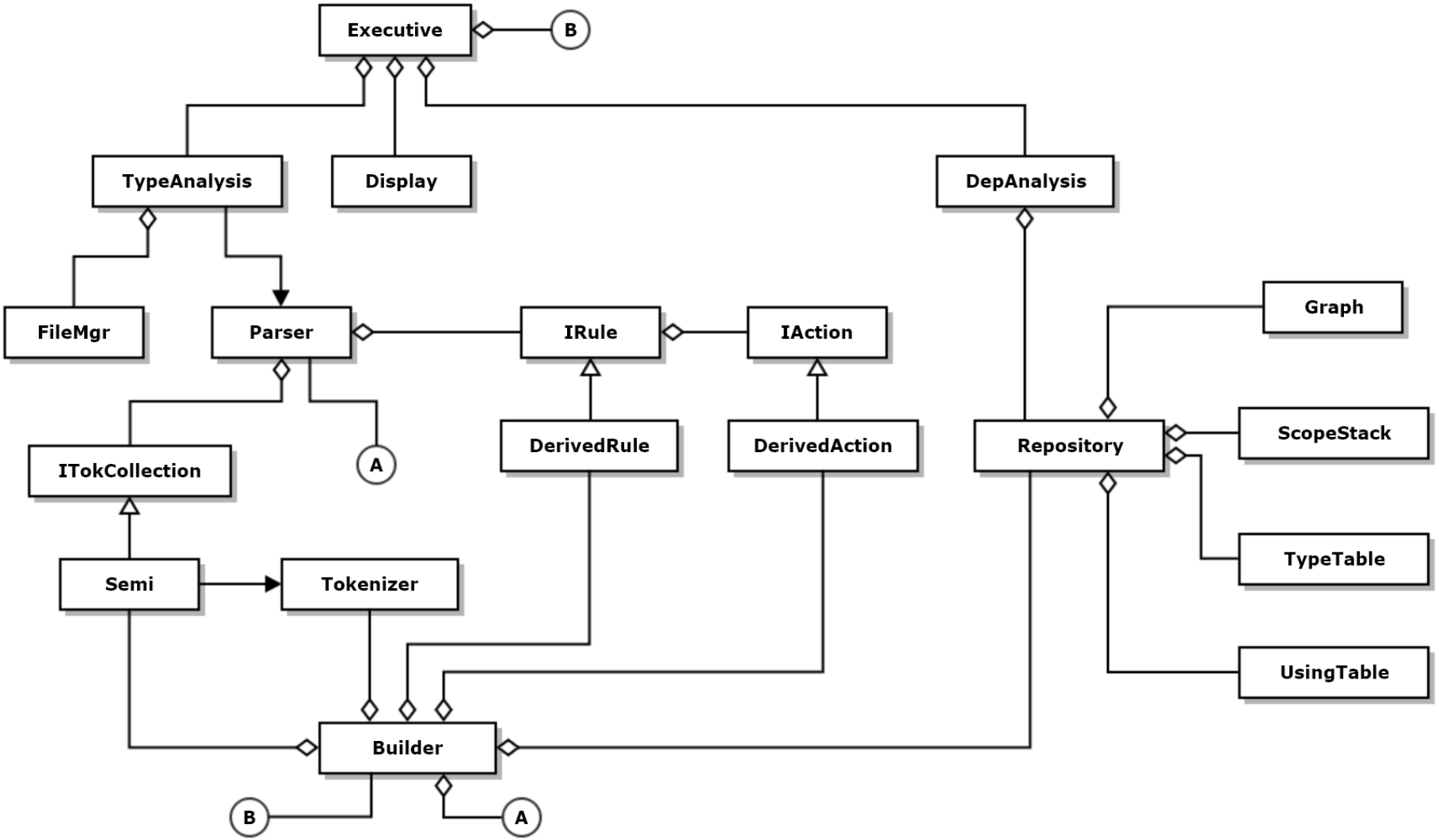Code Analyzer Classes