

```

public component class Parser {
    public port in {
        provides void setInfo(Token symbol,
                                SymTabEntry e);
        requires Token nextToken()
                    throws ScanException;
    }
    public port out {
        provides SymTabEntry getInfo(Token t);
        requires void compile(AST ast);
    }

    void parse(String file) {
        Token tok = in.nextToken();
        AST ast = parseFile(tok);
        out.compile(ast);
    }

    AST parseFile(Token lookahead) { ... }
    void setInfo(Token t, SymTabEntry e) {...}
    SymTabEntry getInfo(Token t) { ... }
    ...
}

```