SOFTWARE DESIGN DOCUMENT

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Introduction:

This is a preliminary SSD for my mini-Pascal compiler that I will be working on over the next two semesters.

1. Scanner

The Scanner Class reads in a file one character at a time. It then attempts to match all keywords, symbols, and numbers to their corresponding token in the LookUpTable class. For now all the work of the Scanner is in one method which I hope to break into smaller pieces in the future. I also chose to handle all number variations (or DFA states) in one case statement because it worked that way for now.