System IPO Diagram

Input	Process	Output
• Input file containing pairs of 5-letter words	• Make a dictionary • Read from file one pair of words at a time. • Check validity of start word • Check validity of end word • Compute a word ladder using the start & end word • If error (i.e no ladder exists) throw an exception. • Validate the correctness of the word ladder solution	• Output a word ladder to the console if it exists. • Output a message if a word ladder does not exist. • Output a message if errors occur (e.g. "input file not found", "No Such Ladder" exception, etc.)