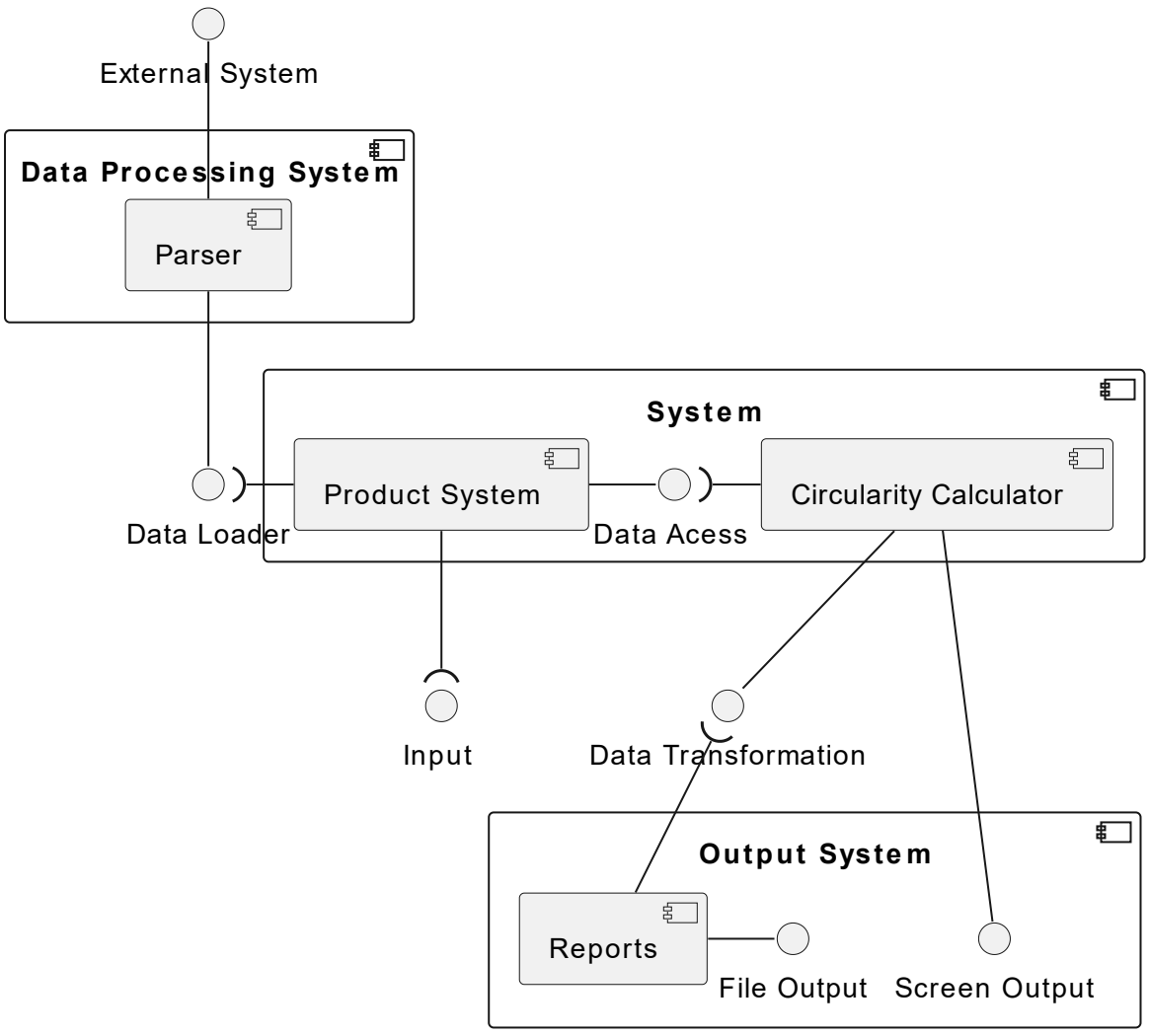
Component Diagram

COMPONENT DIAGRAM



Data Processing System

In this diagram, "Data Processing System" is depicted as the overarching entity, and it includes the "Parser" as one of its integral components.

System

The "System" component serves as the central hub in the overall system, orchestrating the flow of information. It consists of two key elements: the "Product System" responsible for storing information, and the "Circularity Calculator" serving as calculator to circularity calculations. Information can be input into the "Product System" either through the "Data Loader" or via direct "Input". The "Data Access" interface retrieves information from the "Product System". In essence, the "System" efficiently manages the loading, storage, access, and utilization of data for circularity calculations, ensuring seamless operation within the broader system architecture.

Output System

The "Output System" component provides flexibility for users to view the processed information either on the screen or in a file. The "Screen Output" is associated with immediate visualization, while the "Reports" allows users to store the information for future reference or analysis.