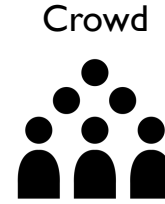




User



Crowd

Pipeline UI

Cleaning UI

Swap Recs

Swap Cmds

Queries &  
Results

SAQP

Rec. Engine

Hit Swapper

DSL Compiler

Optimizer

Cleaning  
Tasks

Crowd Manager

Data Cleaning Plan Executor

Lineage and Storage

