Sqoop

RDBMS

HIVE

HBase

Web Interface

HDFS

PIG

MAP REDUCE

Flume

Sensory Data

Flume

Sensory Data

Task, which needs to be completed, is to development the Web Interface and HBase Tables creation based on the User Inputs in the Web Interface.

The data from HBase is populated into a web Interface and there will some more HBase tables need to be created based on the User Inputs in the Web Interface.

The Processed data is stored in HBase. For MapReduce HBase client is developed. For Pig HBase Storage is used and for Hive HBase connector is used, all of those implementations are availiable in Git.

The ingested data can be processed using anyone or combination of above components. For this project we have implemented all the components, which are documented in the Project folder.

The data from RDBMS & Sensory Data is ingested into HDFS using Sqoop and Flume respectively.