System Architecture

WiFi Router

SRP

RSP

Sensor(RPi)

OpenCV

Face_dataset

Face_Training

Face_Recognition

Google-Assistant

Smart-Mirror

Weather API

Socket Communication

Server

Data Querry execution

Data management

Socket Communication

Store unregistered person processing

SWP

DBQ

Web Client

Display Access Log

Display photo unregistered person
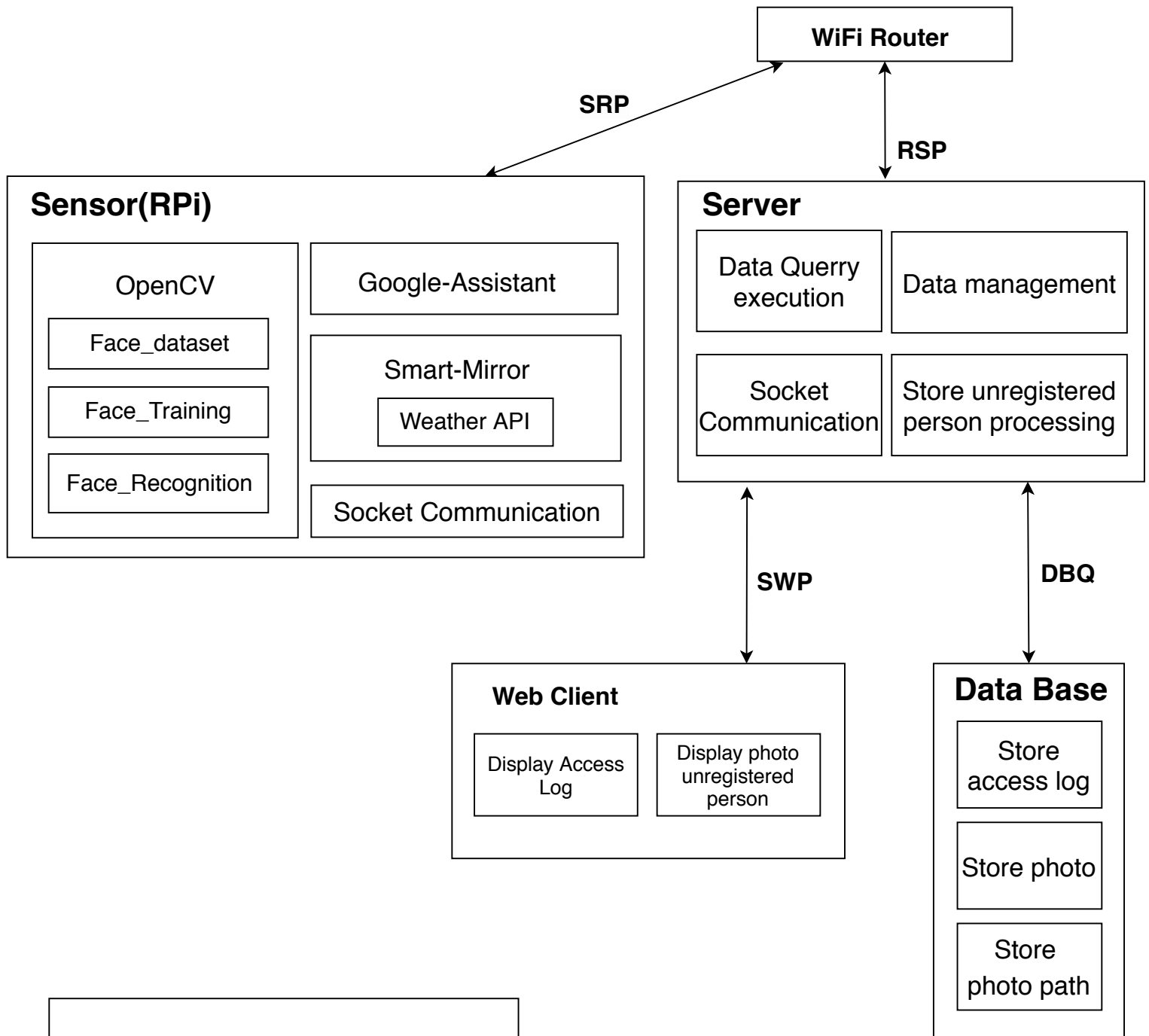
Data Base

Store access log

Store photo

Store photo path

SRP : Sensor - WiFi Router Protocol
RSP : WiFi Router - Server Protocol
SWP : Server - Web client Protocol
DBQ : Data base Query