ORCHESTRATION MODULE

OVERVIEW

The orchestration module will handle upper-level authentication and communication across nodes for access from the user to the server.

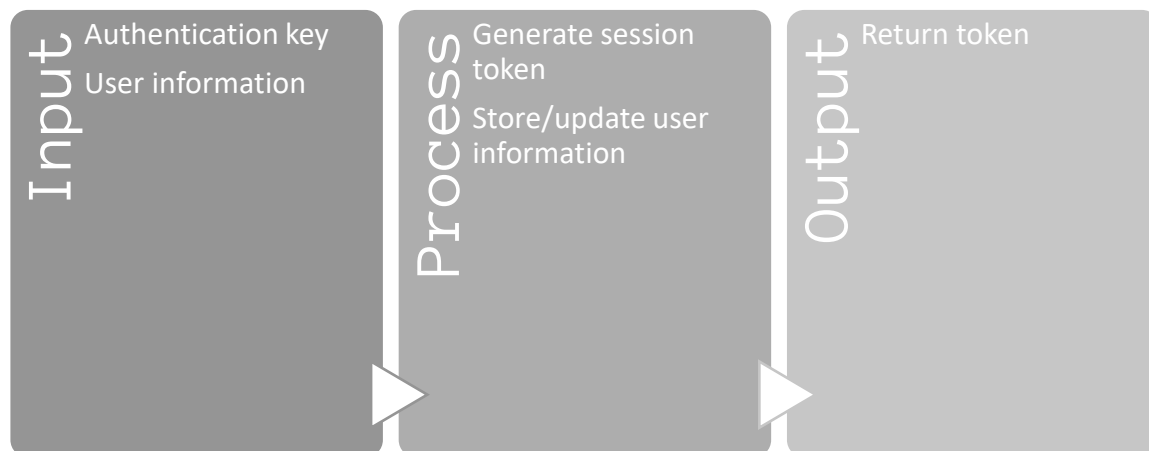### COMPONENTS

The components are divided by higher function and use.

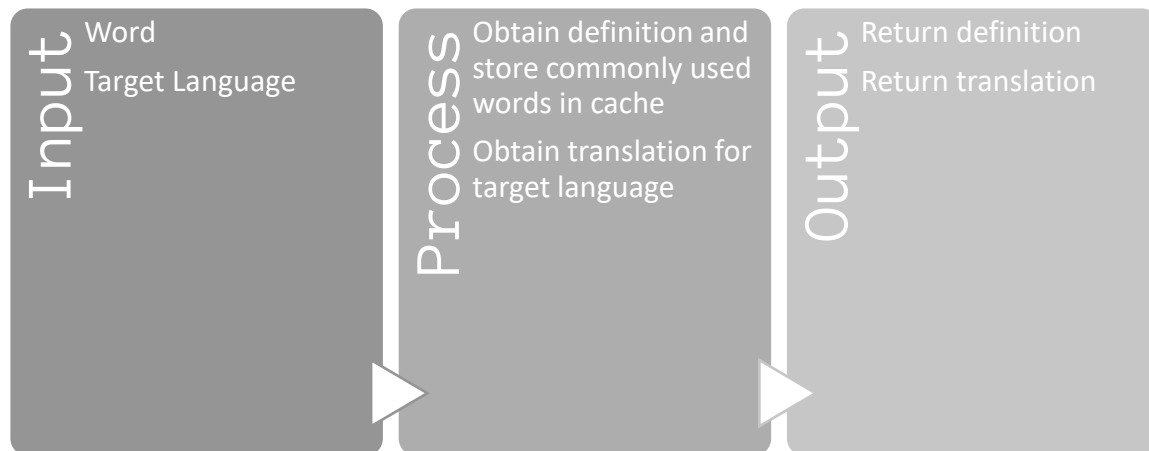| Node	Function
Login/Authentication	Matches user key with server token and vice-versa for handshaking within the sign-up and sign-in interaction
Service Broker	Handles internal requests made by the front-end user to the back-end service module
Account Management	Any changes made by the user will call for the orchestration module to update information database and return existing information/settings when user logs in on a new device
Application Updates	New pushes to the final .apk for the application will be updated and indexed to be packaged on the Google server as a new release and the user will be notified of any changes to policy

IPO CHARTS

LOGIN

Input	Process	Output
Authentication key User information	Generate session token Store/update user information	Return token

SERVICE BROKER

Input
- Service Request Type
- Service Request Query

Process
- Call to respective request type service (Dictionary, Finance)
- Log/store returned value

Output
- Service return value

SERVICE BROKER: DICTIONARY SERVICE

Input
- Word
- Target Language

Process
- Obtain definition and store commonly used words in cache
- Obtain translation for target language

Output
- Return definition
- Return translation

SERVICE BROKER: FINANCE SERVICE

Input
- Gross income
- Tax year

Process
- Obtain tax rate and policy from IRS for tax year
- Calculate and enumerate tax entries

Output
- Display tax chart