Jianmu Deng CS746 Assignment 1

Data centric architecture of level one:
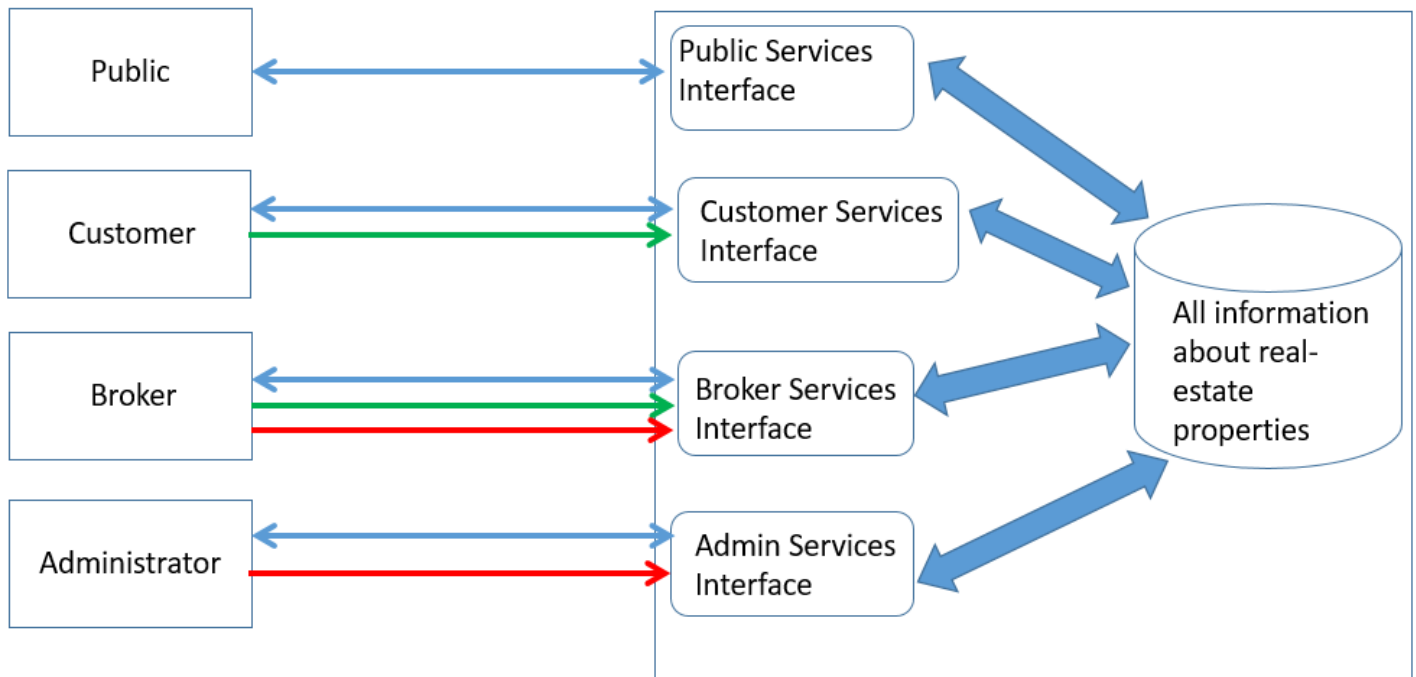

Figure 1: High-level architecture

Public Services Interface:

In public service, the public should be browse all properties information, and can view the detail of one selected properties. They also can browse properties by different categories, such as sorted by price, locations or brokers.
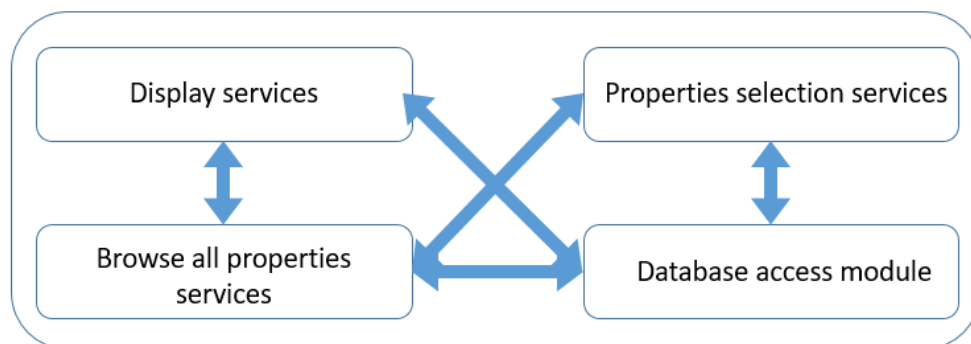

Figure 2: public service interface; second level
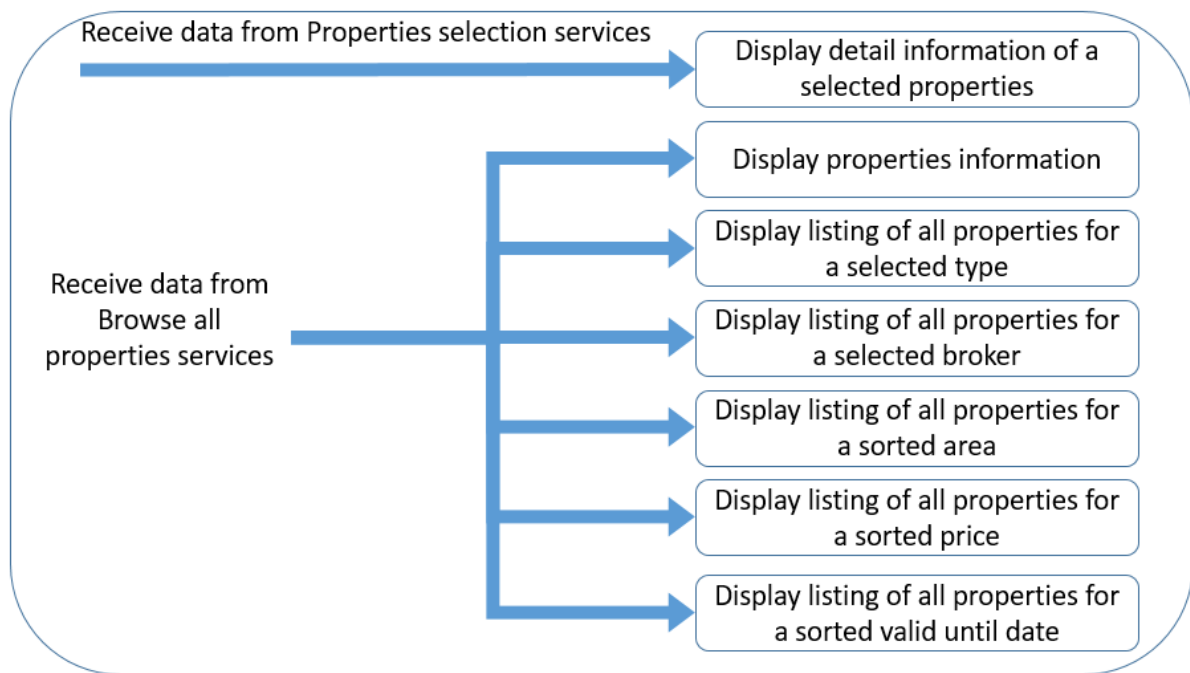
Display service:

Figure 3: Display service

Browse all properties service:

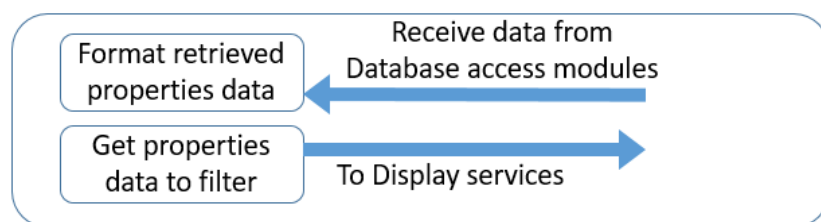The filter means the filter function, all type of user can filter and view by different attributes.

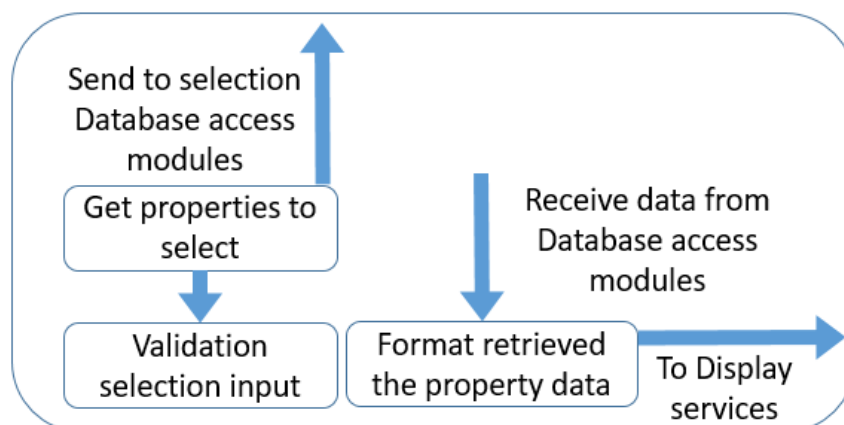**Figure 4: Browse all properties service**

Properties selection services:

Figure 5: Properties selection services
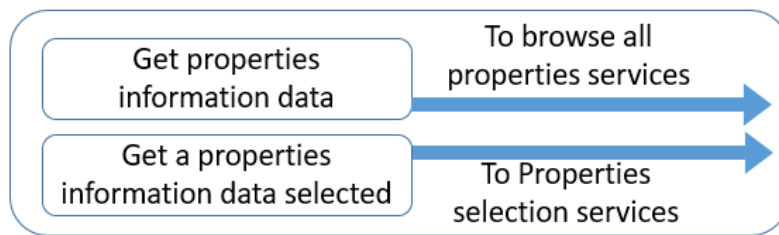
Database access module:

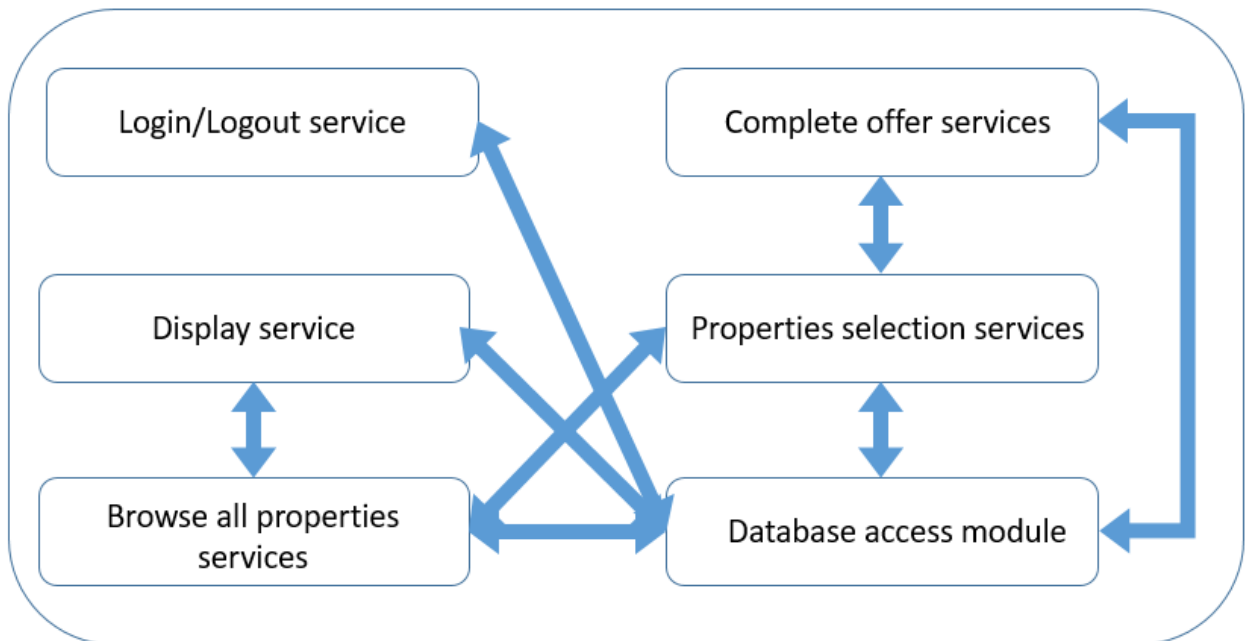**Figure 6: Database access module**

Customer Services Interface:

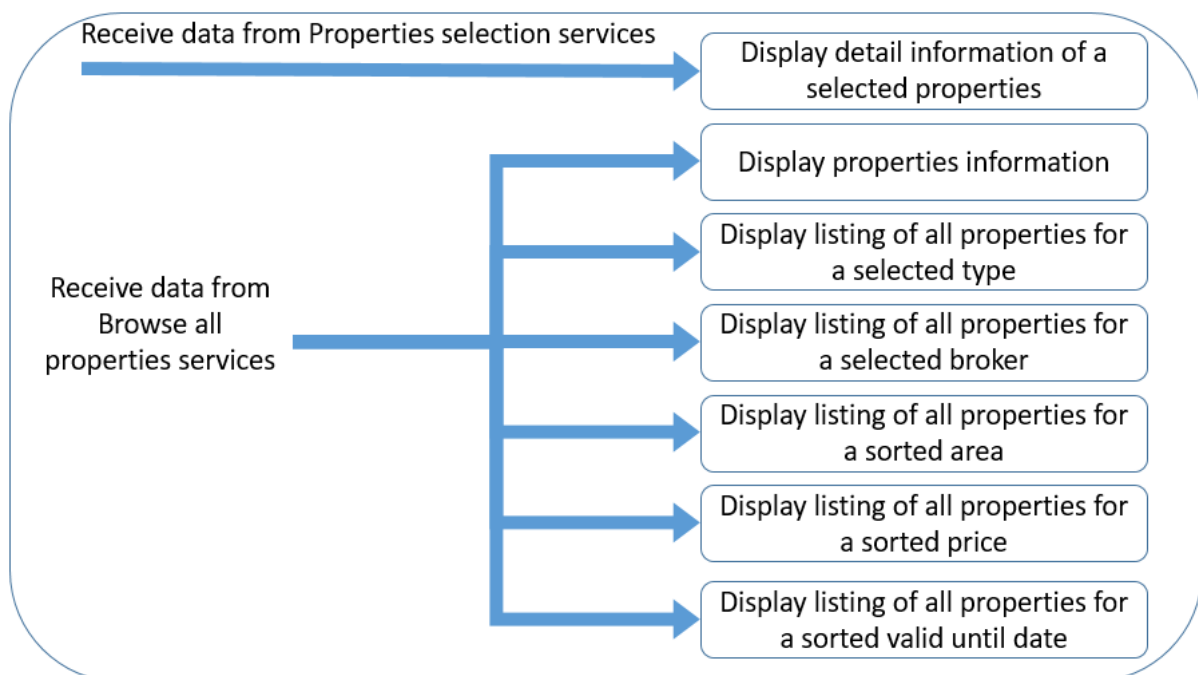**Figure 7: Customer Services Interface**
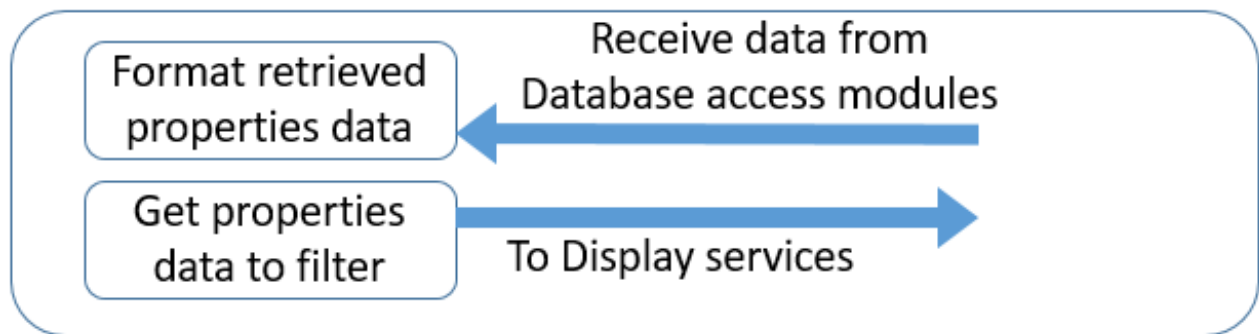
Display service:

Figure 8: Display service

Figure 9: Browse all properties services

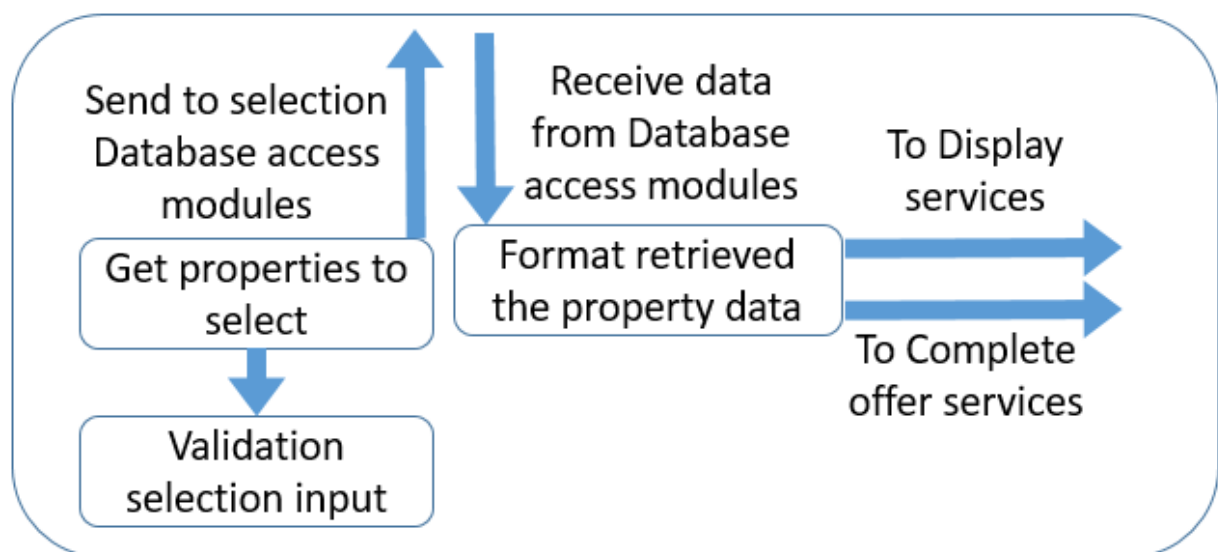Database access module:
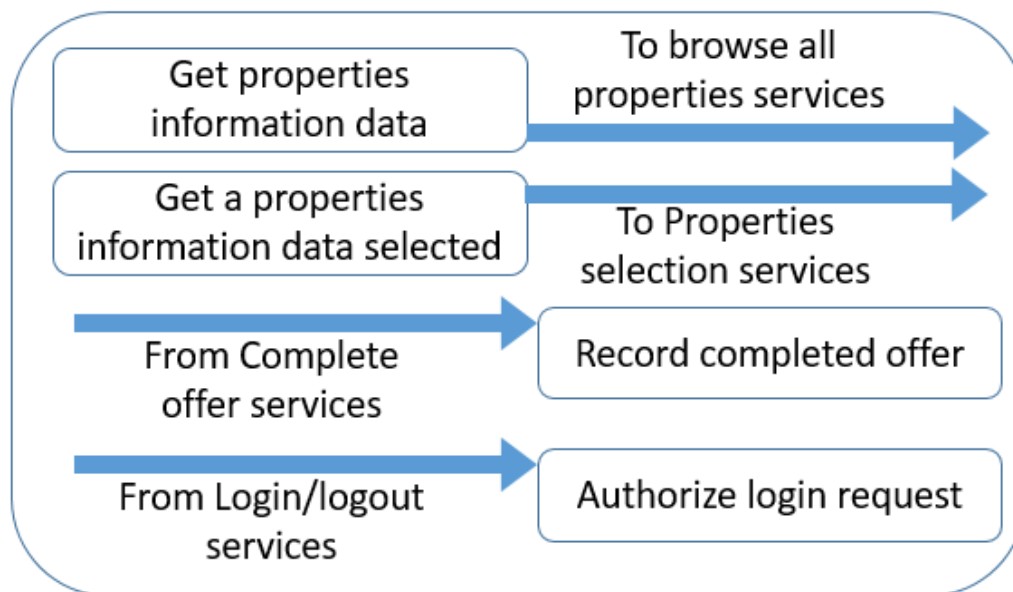
Figure 10: Database access module

Properties selection services:

Complete offer services:

Figure 12: Complete offer services
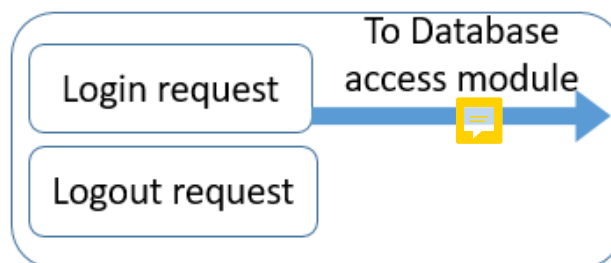
Login/Logout services:

Figure 13: Login/Logout services

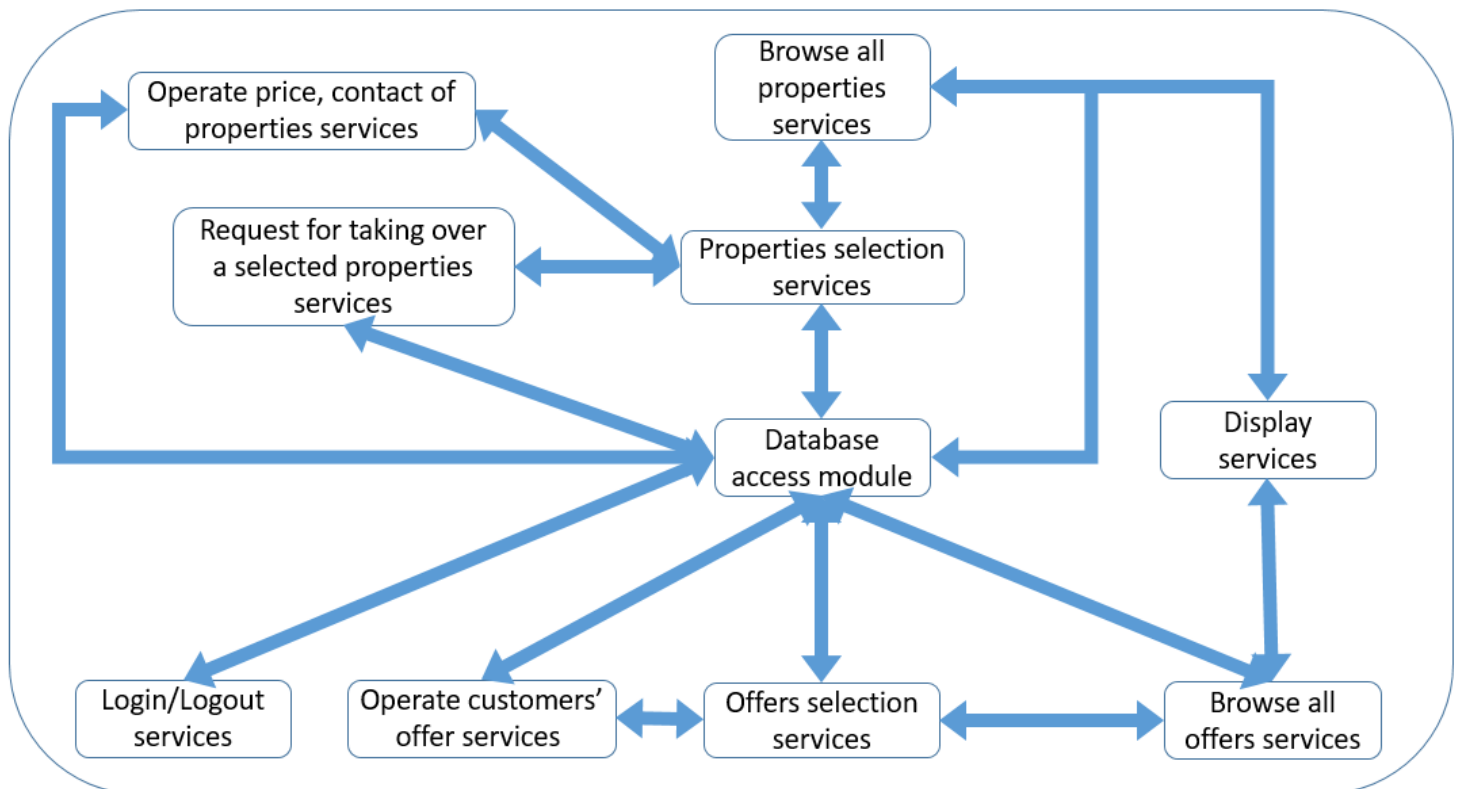**Broker Services Interface:**

Figure 14: Broker Services Interface
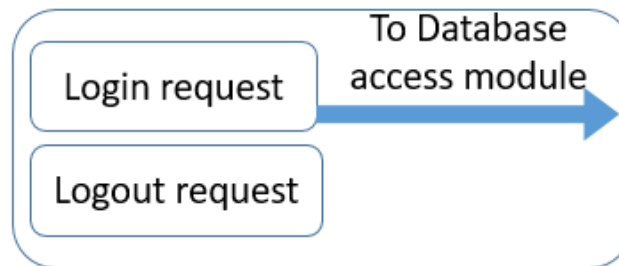
Login/Logout services:

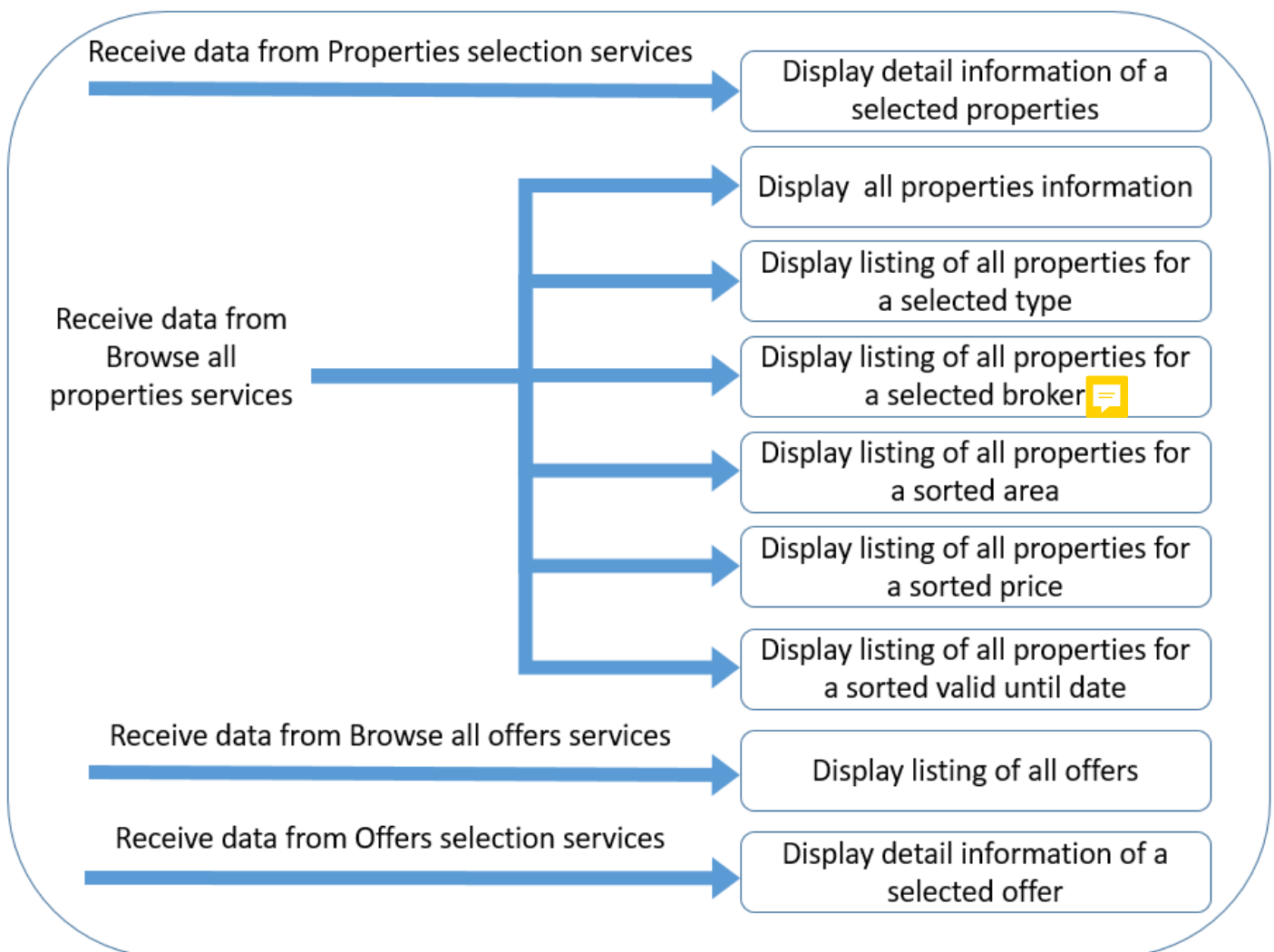**Figure 15: Login/Logout services**

Display services:

Figure 16: Display services
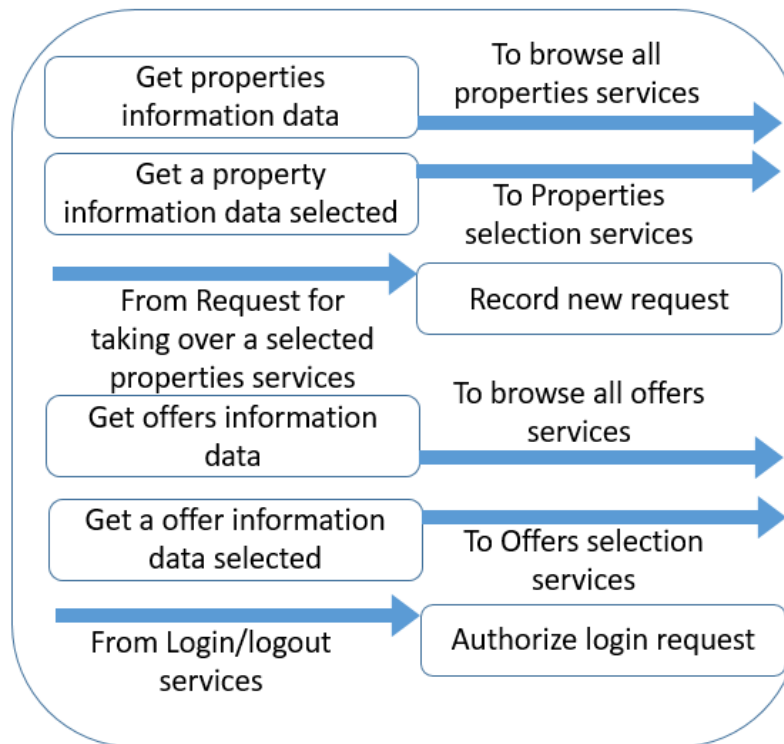
Database access module:

Figure 17: Database access module

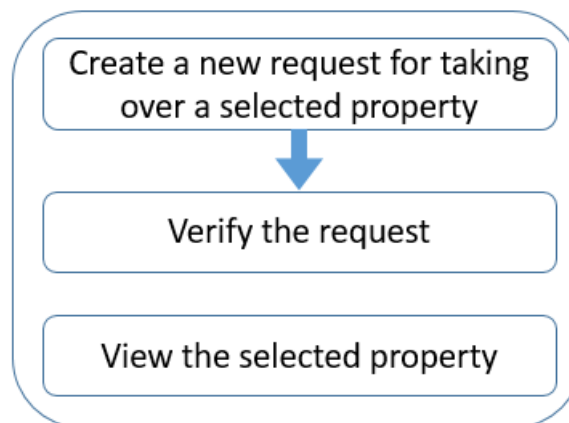Request for taking over a selected properties services:

Figure 18: Request for taking over a selected properties services
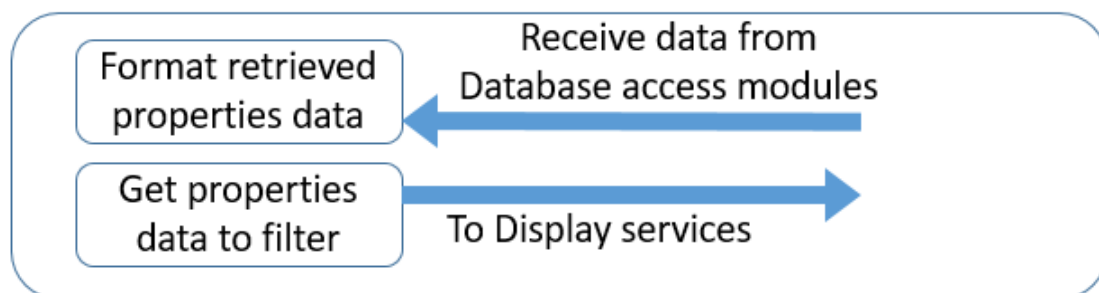
Browse all properties services:

Figure 19: Browse all properties services
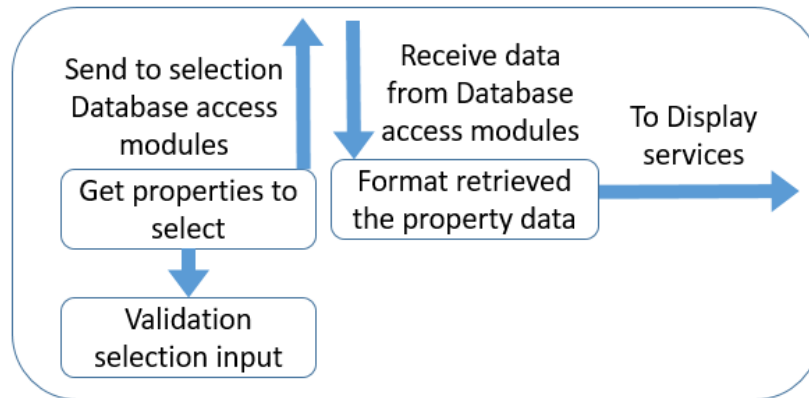
Properties selection services:

Figure 20: Properties selection services

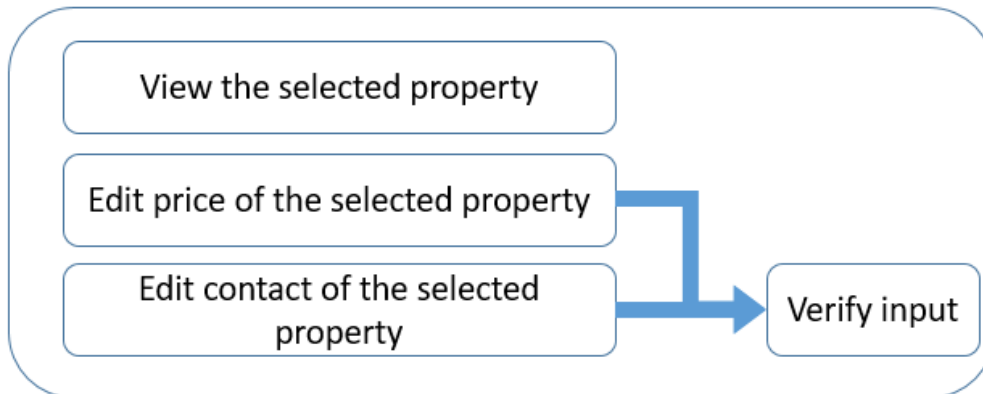Operate price, contact of properties services:

Figure 21: Operate price, contact of properties services

Browse all offers services:

Figure 22: Browse all offers services
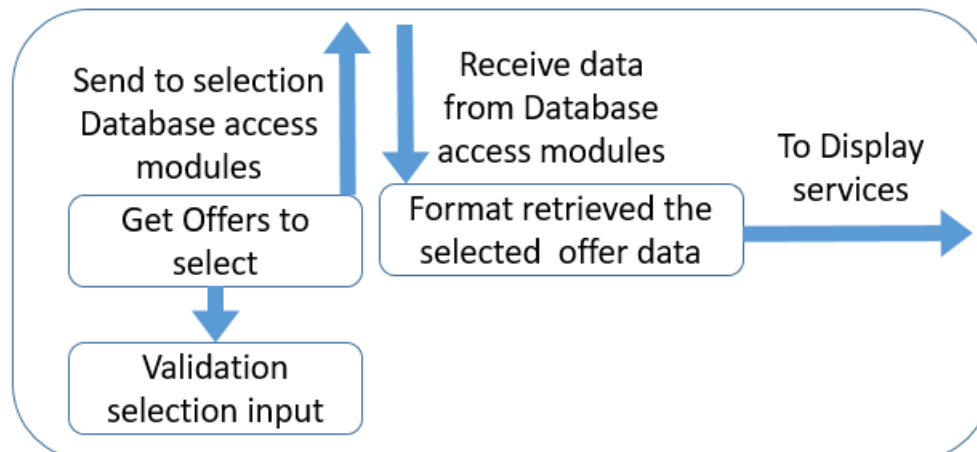
Offers selection services:
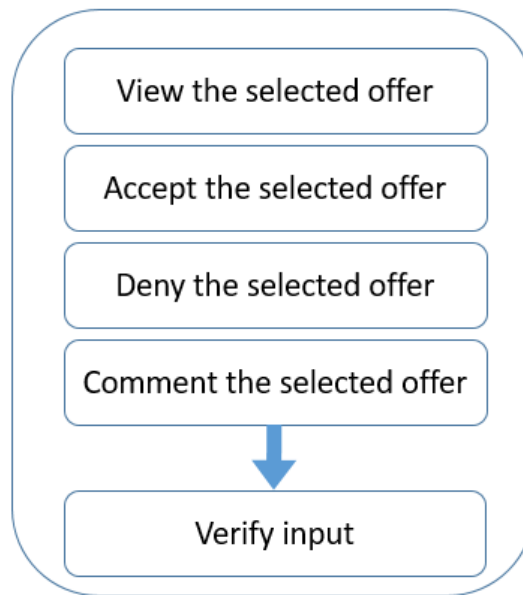
Operate customers' offer services:

Figure 24: Operate customers' offer services
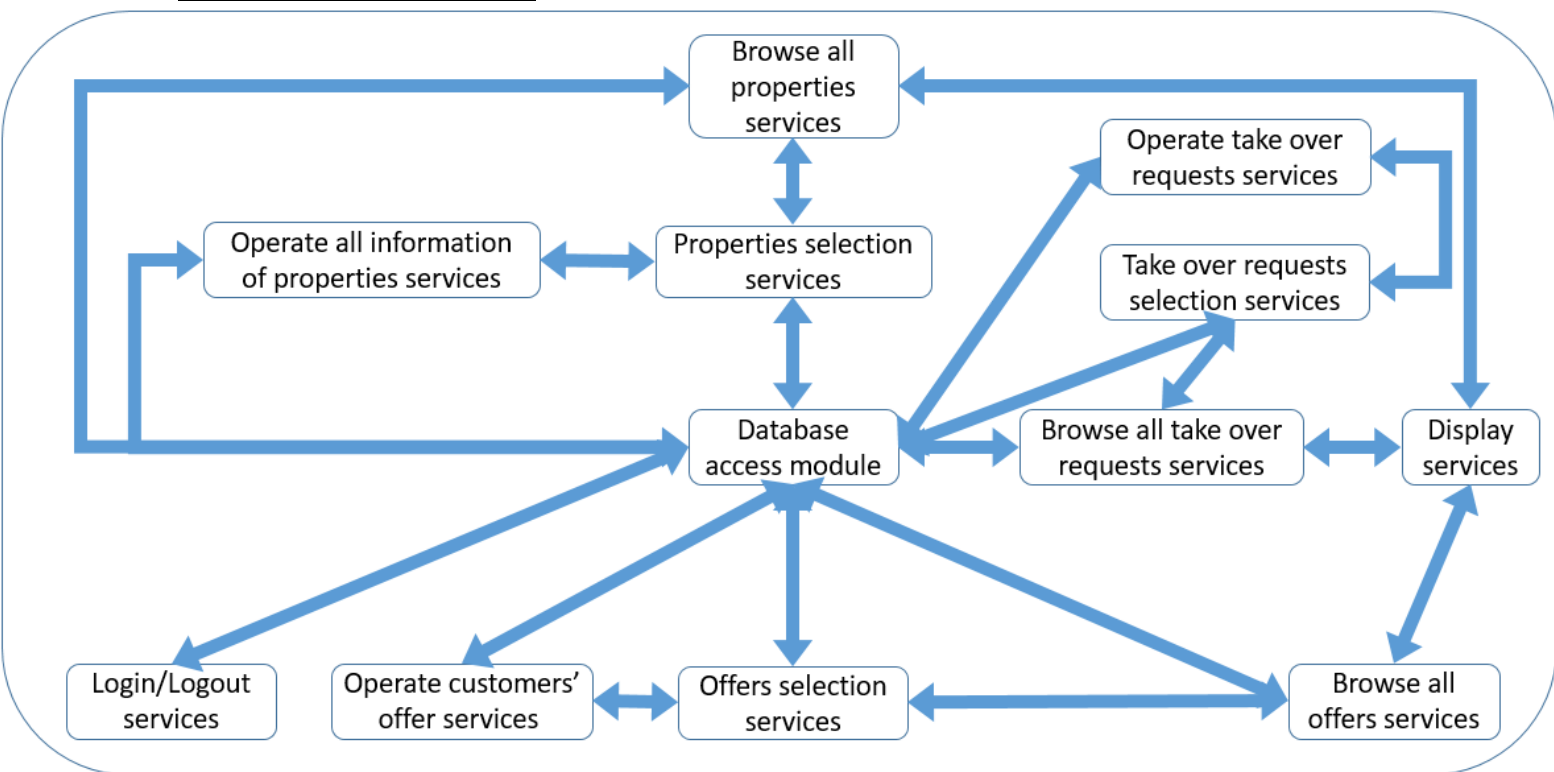
Admin Services Interface:

Figure 25: Administrator Services Interface
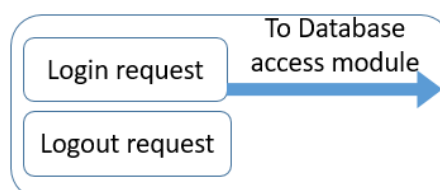
Login/Logout services:

Figure 26: Login/Logout services
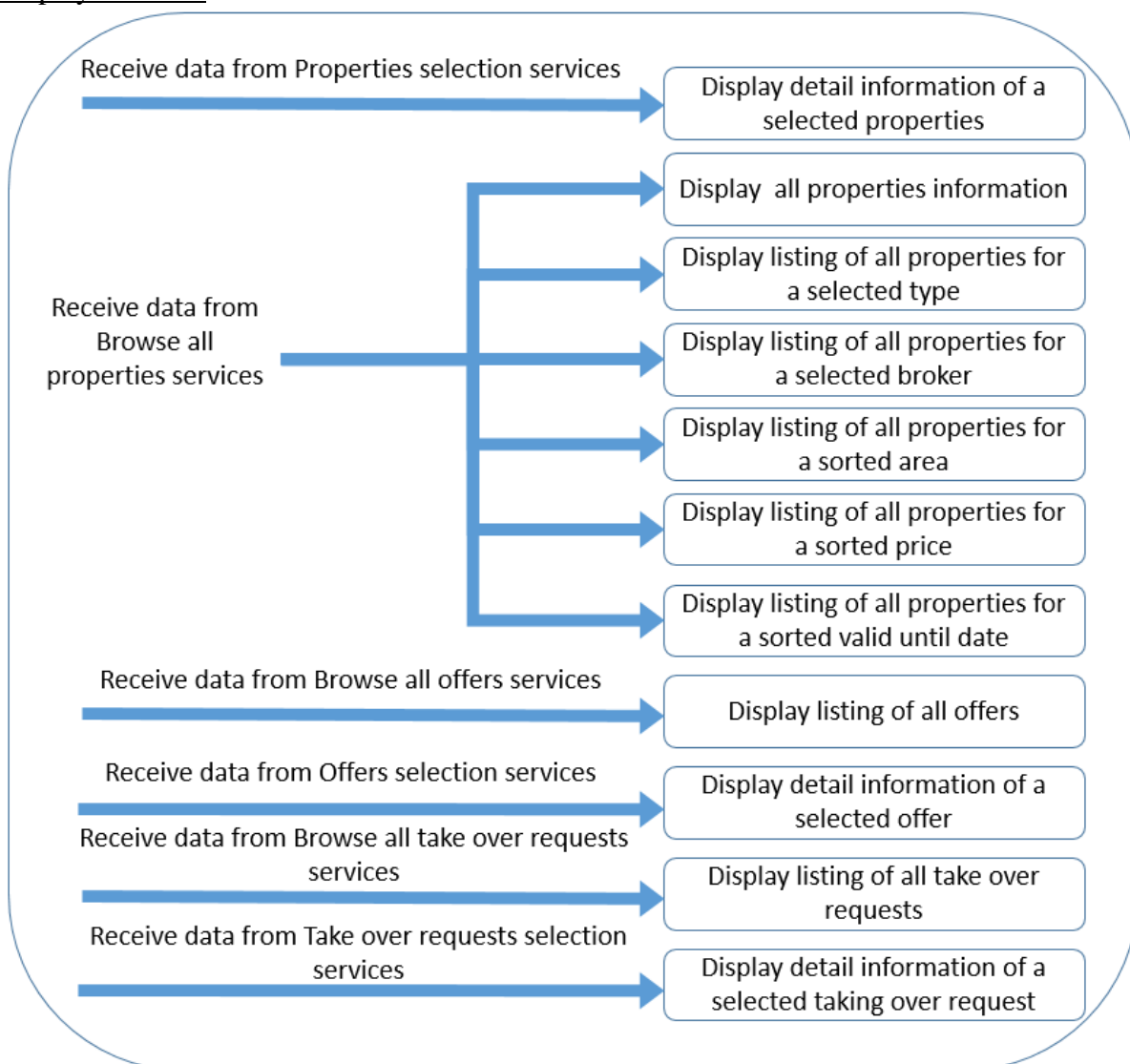
Display services:

Figure 27: Display services
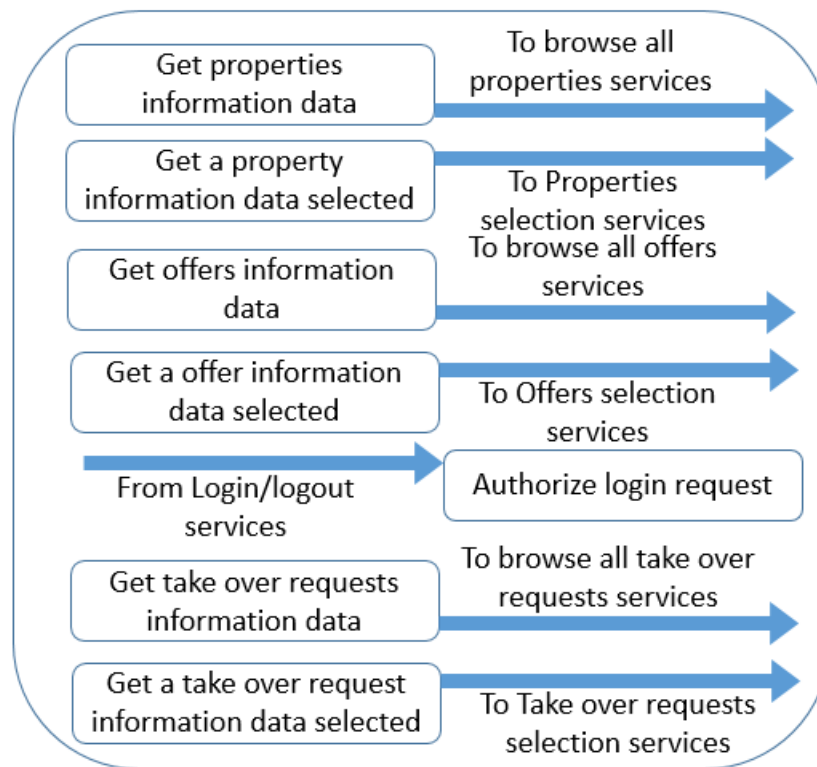
Database access module:

Figure 28: Database access module
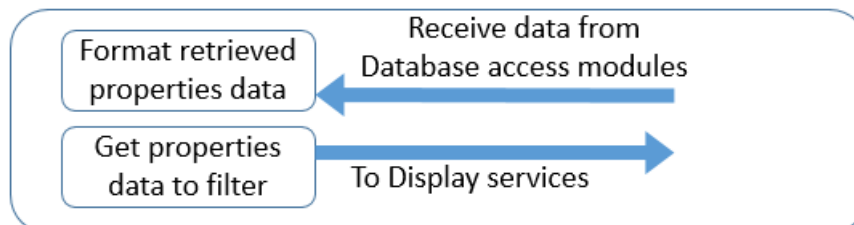
Browse all properties services:

Figure 29: Browse all properties services
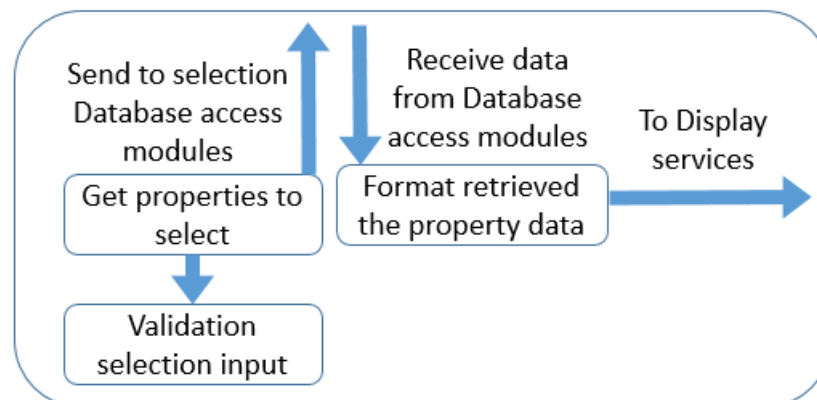
Properties selection services:

Figure 30: Properties selection services

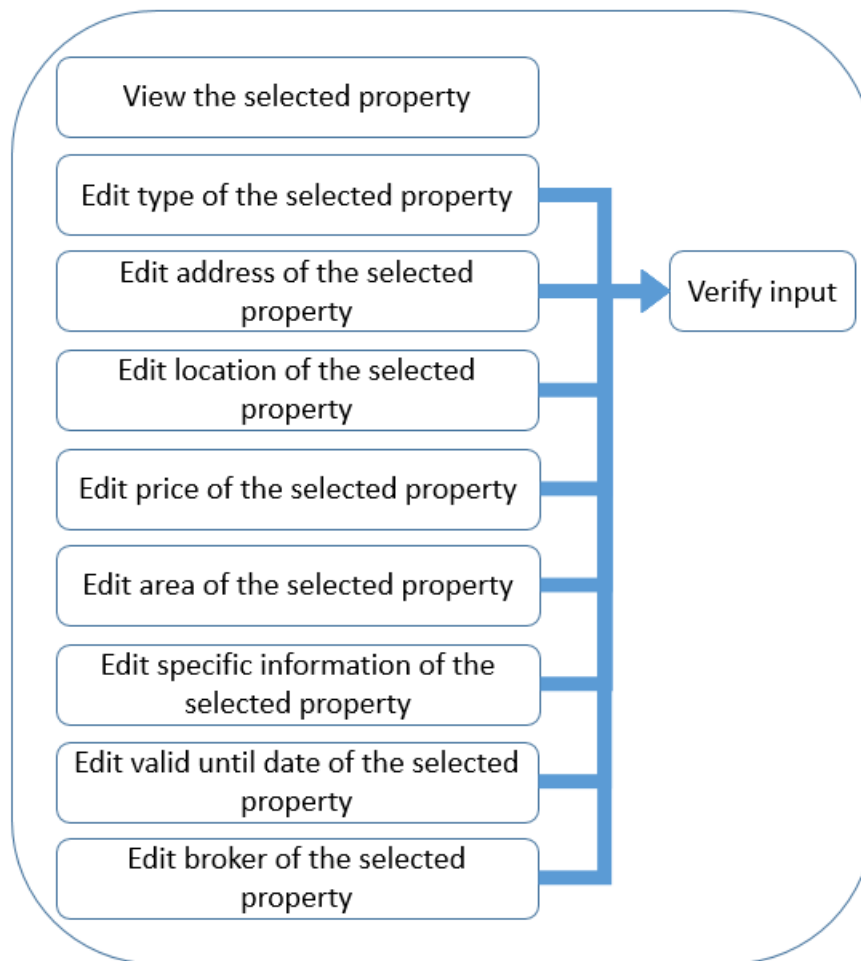Operate all information of properties services:

Figure 31: Operate all information of properties services

Browse all offers services:

Figure 32: Browse all offers services
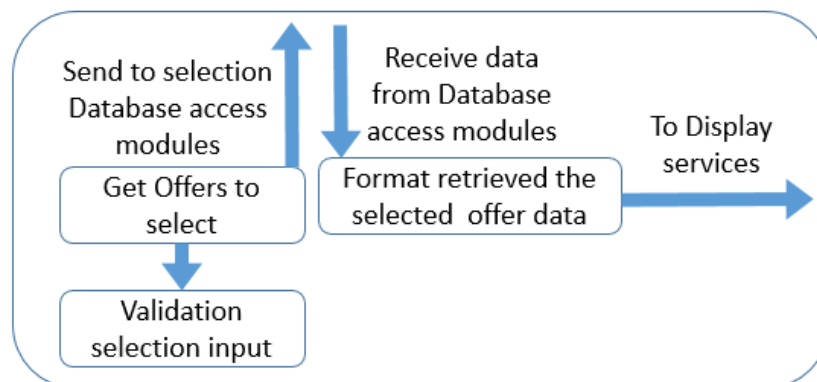
Offers selection services:

Figure 33: Offers selection services

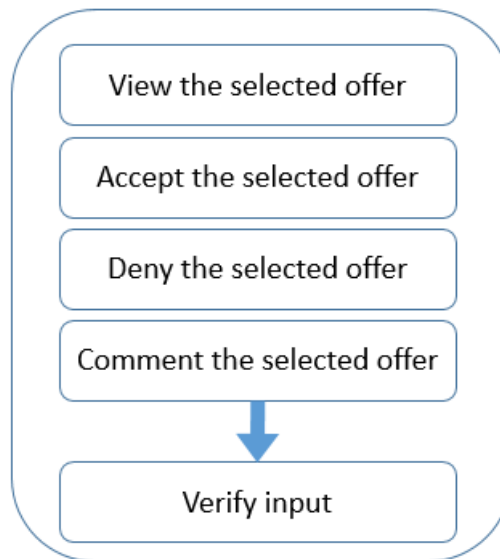Operate customers' offer services:

Figure 34: Operate customers' offer services

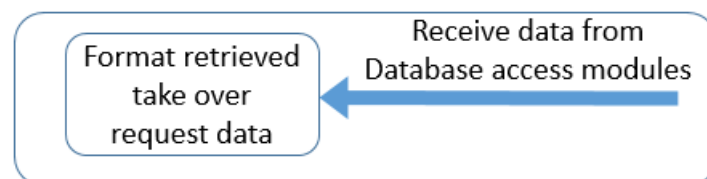Browse all take over requests services:

Figure 35: Browse all take over requests services
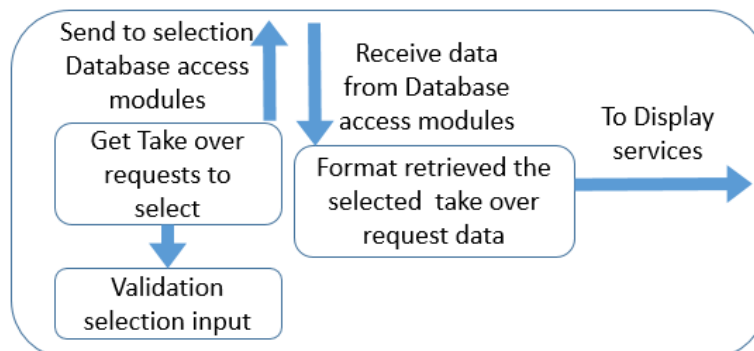
Take over requests selection services:

Figure 36: Take over requests selection services
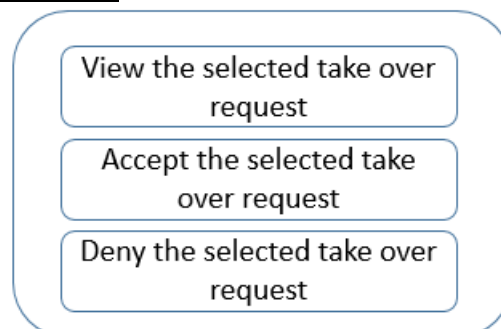
Operate take over requests services:

Figure 37: Operate take over requests services

<u>Class Diagram:</u>

The diagram is too large to insert in this file, so I attach it as another independent file. In the attch file named: "Class Diagrm – Jianmu Deng CS 746 Assignment 1.png".