**Component: Orchestration**

**Module Name: Service Broker**

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| Inputs | Process | Outputs |
| Service code | The purpose of this process is to call each service | Data from the called service module |
| Parameter list |  |
|  |  |

**Inputs:**

Service code – the code that gives the permission and search function.

Parameter List – Translator or tax calculator.

**Process Description**

This module takes in a service code and a parameter list and executes the service respective to its

service code. It then passes in the given parameter list and will output whatever information the

called service returns.

**Outputs**

Returned code – data returned from the service

**APIs/Objects:**

1 APIs/Objects used: Scanner object from Java API

**Pseudocode:**

**1. Takes in a service code as input and argument list through the service broker arg list**

**2. Use a boolean flag to detect if service is found.**

**3. Use a scanner to scan service.txt and look for line where the first string matches with the service code.**

**4. If code is found, execute the corresponding command to execute its corresponding service program and pass in arg list. Also flip flag to true.**

**5. If flag is false, execute error message service and pass in respective error code.**