**Component: Business Services**

**Module Name: Tax Calculator**

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| Inputs | Process | Outputs |
| --- | --- | --- |
| Tax Year | Calculates the taxes owed for a particular year based upon the tax rate and user’s gross annual income | Taxes to be paid |
| Tax Status |  |
| Gross |  |

**Inputs:**

ParamList String: “Taxyear, Status, Gross”

**Process Description:**

Modifies ParamList to concatenate Taxyear and Status into Taxyear-Status-File.

Calls Service Broker with Service Code TB and passes ParamList.

Calculates taxes owed for a particular year based on the returned tax rate and the user’s gross annual income. Returns the amount of taxes that need to be paid for that income via ParamList.

If Tax is returned a “0”, it will need to call Service Broker again with Service Code Error and ParamList “903”.

**Outputs:**

Taxes to be paid

**APIs/Objects:**

**Pseudocode:**

1. **Read in the paramlist and split the string into year, status, and income**
2. **Find the tax file that corresponds to the year and status the user input**
3. **Read through the file and compare the users income to the incomes listed**

**if the users income is less than income listed then multiply the users income**

**by the percentage that corresponds to the listed income**

1. **return the taxes that need to be paid for that income to service broker**
2. **If theres an error then print error and paramlist in text broker**