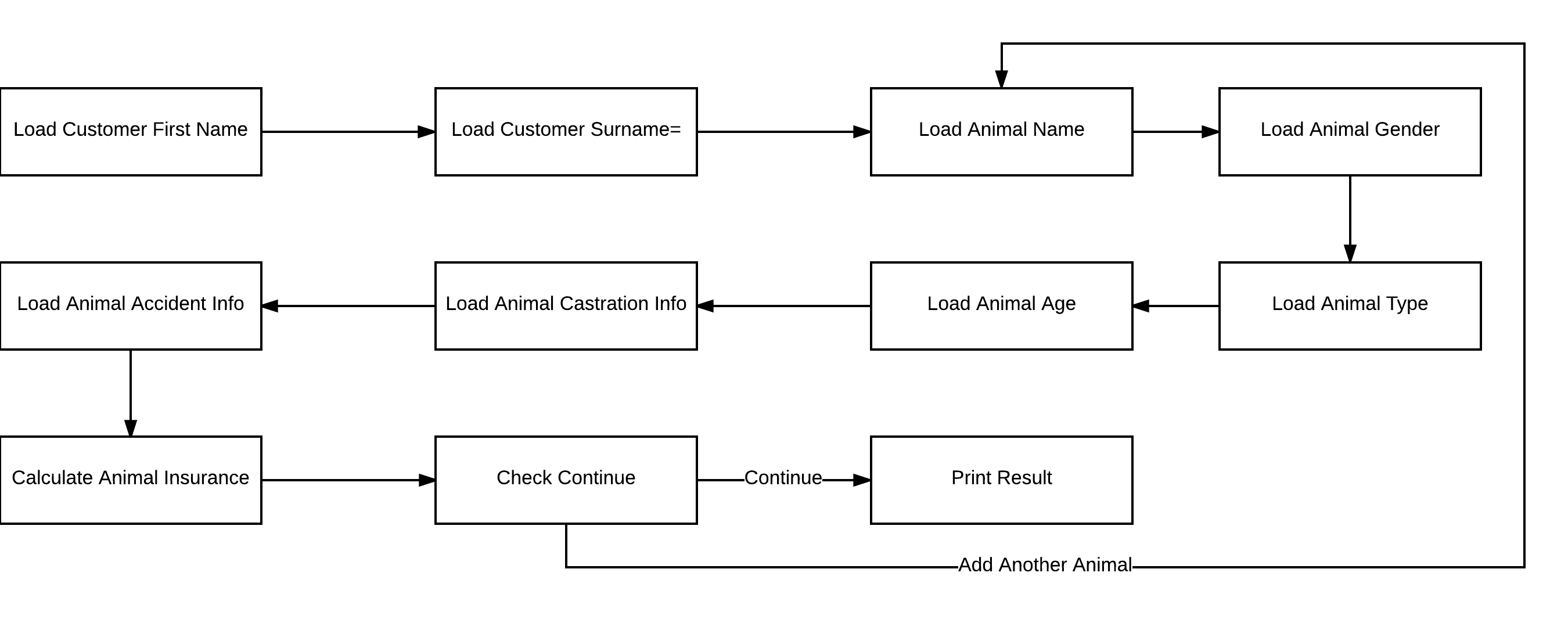
# JSP



# Data Dictionary (Justify types)

## Global

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Load  Pos. | Name | Type | Default | Purpose |
| 1 | curr\_state | int | 0 | Number identifying the current state of program |
| 2 | owner\_first\_name | char array[20] | \0 | The pet owner first name |
| 3 | owner\_surname | char array[20] | \0 | The pet owner surname |
| 4 | pet\_names | char array[10][20] | \0 | The pets names |
| 5 | pet\_gender | int array[10] | -1 | The pets genders |
| 6 | pet\_type | char array[10] | U | The pets types encoded as single characters |
| 7 | pet\_type\_price | float array[5] | 50, 80, 40, 60, 10 | The pets insurance prices |
| 8 | pet\_age | int char[10] | -1 | The pets ages |
| 9 | pet\_is\_neutered | int char[10] | -1 | The pets castration data |
| 10 | pet\_had\_accident | int char[10] | -1 | The pets accident data |
| 11 | insurance\_cost | float char[10] | 0 | The array of insurance total costs |
| 12 | insurance\_base\_price | float char[10] | 0 | The array of insurance base prices |
| 13 | insurance\_mod\_old | float char[10] | 0 | The arrays of insurance modifiers |
| 14 | insurance\_mod\_young\_male | float char[10] | 0 |
| 15 | insurance\_mod\_accident | float char[10] | 0 |
| 16 | quote | float | 0 | The final insurance quote |
| 17 | idx\_curr\_pet | int | 0 | The current index of processed pet |
| 18 | tmp | char array[20] | \0 | Any temporary variable that needs to be stored |

## Local

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Load  Pos. | Name | Type | Default | Purpose |
| 1 | i | int | \0 | Used exclusively within iterative for loops |

# Structures and features

## Loops

## Conditional Statements

### Case

### If/Else

## Finite-State Machine

# Pseudocode

## Load Customer First Name

## Load Customer Surname

## Load Animal Name

## Load Animal Gender

## Load Animal Type

## Load Animal Age

## Load Animal Castration Info

## Load Animal Accident Info

## Calculate Animal Insurance

## Check Continue

## Print Result

## Finite-State Machine