|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Name** | **What It Does** | **Input Data Needed** | **What It Returns** |
| Gross Pay | Calculate the gross pay of the user | User Wages, Duration of Time Worked | The gross pay of the user |
| Federal Tax | Deduct federal tax | Gross pay of user, tax percentage | A float value representing the federal tax amount |
| State Tax | Deduct state tax | Gross pay of user, tax percentage | A float value representing the state tax amount |
| Social Security | Deduct social security payments | Gross pay of user, tax percentage | A float value representing the social security amount |
| Net Pay | Calculate the net pay of the user | None | A string with the net pay, federal tax, state tax, social security, gross pay information |
| Withholding | Sum all the withholding elements | Federal tax, State tax, Social Security | A float value of the sum of the withholding elements |
| Show Discretionary Income | Calculate discretionary income and present to the user | Dictionary of revenue and expenses | A string value containing the revenue, expenses, and discretionary income |
| Get Revenue Or Expense | Collect income and expense data from the user | None | A dictionary of revenue and expenses |
| Main | Start the program | None | None |

# **5.4 Computational Thinking Skill: Decomposition**

Name: George Ekanem Udosen

Date: 17th Mary 2024