**CSIT 425 – Final Project – Spring 2021**

The small, peaceful island of Javatown has 500 families inhabiting it. Each family in Javatown’s government computer contains an ID number, family last name, the size of the house (in square foot),the number of members in the family, and family income. Sadly, the neighboring island of PyVillage experienced a catastrophic earthquake and has become uninhabitable. Javatown residents are eager to welcome their neighbors into their homes. The government of PyVillage, has promised financial aid to residents of Javatown if they take in a family. The PyVillage data of families is similar to the Javatown data except it does not contain an ID number for the family. The 2 peaceful countries have contracted with your company to merge the 2 data sets and distribute the assets of PyVillage to the families of Javatown. The 2 countries have agreed to the following:

1. Maximum number of members per household can be no more than 4 per 1000 square foot of house. Families must NEVER be split up
2. Javatown families will receive $1,000/month in aid for every PyVillage family they take into their home.
3. There is no limit on the number of families that can live with a Javatown family as long as they are within the 4 people per 1000 square foot guideline.

The 2 countries need a system that:

1. Merges PyVillage family data into Javatown family data
2. Assigns PyVillage residents to Javatown households and compensates Javatown households
3. Reports database information back to both government leaders

**Requirements:**

* Create a CSV data file for each Island that contains all the respective data
* Create a program application that will read in the data files and merge them into one database.
* Assign PyVillage families to the Javatown family that they will be living with.
* Create a reporting tool so that the data can easily be looked at by the new government.