Team #8:

Project Title: Customers of Broadcom Tech Company Database

Application Data: CUS with the following member variables

1. CUSNO – primary key (string, unique)
2. NAME – secondary key (not unique)
3. CITY
4. ST
5. ZIP
6. YTD SALES

Sample Output:

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Unit 2 BST Algorithms: Masato Ishizuka
Unit 3 Hash List Algorithms: Joel Morancy
Unit 4 Screen Output: Pegah Zargarian

Hash Function:

```
int key_to_index(const Customer &key, int size)
{
    string k = key.getName();
    int sum = 0;
    for (int i = 0; k[i]; i++)
        sum += k[i];
    return sum % size;
};
```

```
Enter file name: Customers2.txt
1. Add Data
2. Delete Data
3. Find and Display Data Using Primary Key
4. Find and Display Elements Using Secondary Key
5. List Data Sorted by Secondary Key
6. Write Data to File
7. Statistics
8. Help
0. Quit
Enter a command: 1
Please enter new data to add
Customer Number: 3948
Name: Project Company
City: San Jose
State: CA
Zip Code: 95112
Year to Date Sales: 976824
1. Add Data
2. Delete Data
3. Find and Display Data Using Primary Key
4. Find and Display Elements Using Secondary Key
5. List Data Sorted by Secondary Key
6. Write Data to File
7. Statistics
8. Help
0. Quit
Enter a command: 0
```

Data Structure Diagram