

**CSC 2104**

**DATA STRUCTURES AND ALGORITHMS I**

**FAMILY TREE**

**SECTION 2**

**GROUP MEMBERS:**

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**Family Tree**

Family tree, or pedigree chart, is a chart representing family relationships in a conventional tree structure. Family trees are often presented with the oldest generations at the top and the newer generations at the bottom.

**The Explanation of Algorithms**

Based on our project, we use object to obtain information from the users to add new member. Then, we also put object inside array using push function. Furthermore, the input that users enter we store in local storage.

**The Description of All Major Functions/ Classes**

* We use function saveFamilytoStorage() to store the data into the local storage.
* Next is function viewFamily() that will display all information in the local storage.
* Then, function findMember() is to find member according to particular question that user choose.

**The Detail of the Data Storage Scheme**

In our project we use local storage. The use of local storage is to store data locally within user’s browser. The limit for local storage is far larger at least 5MB. Local storage is per origin. All pages can be stored and accessed the same data. In addition, the data will not be deleted even when the browser is closed.

**The Format of the Accepted Questions to the System**

Our system can find relative in the family two steps above. The formats are:

1. Who is your grandfather?
2. Who is your grandmother?
3. Who is your father?
4. Who is your mother?
5. Who are your siblings?