1. As a user, I want to be able to search for someone based on a single criterion

1. prompt user which criteria they would like to use.

2. prompt user for input to search with.

3. search array of data to find objects that match the user’s input.

2.As a user, I want to be able to search for someone based on multiple traits (up to a maximum of five criteria at once).

1. prompt user which criteria they would like to use.

2. prompt user for input to search with.

3. prompt user to ask if there are addition criteria they wish to search for.

4. if yes, prompt user for criteria and input, then ask if there is another criterion they wish to use

5. once the user as confirmed all their queries, search array of data to match all criteria that matches their input

3. As a user, I want to be able to look up someone’s information after I find them with the program (display values for the various traits of the found person).

1. after getting all the criteria from the user and searching the array for matches, display all data for that specific person.

4. As a user, after locating a person, I want to see only that person’s descendants (display the names of the descendants), **using recursion**.

1. take the person's ID and search for matching IDs in other person's parents’ array.

2. display matching results as descendants

5. As a user, after locating a person, I want to see only that person’s immediate family members, displaying the names of the family members and their relation to the found person.

1.take the person's ID and search for matching IDs in other person's parents’ array, display them as children.

2.take the person's spouse ID' if applicable, and search array for a person's ID that matches. display as spouse.

3. take the person's parents array ID's and search array for a person's ID that matches. display as parents.