



# Functional Needs Statement People and Marriage including Some Implementation Notes

## 1. High Level Needs Statement

Develop a complete program to keep track of people and their possible marriages. People have a name (you decide the format), age, and sex. Two people over the age of 18 may get married if neither one is married currently. Marriages can be annulled or ended any time after which people can marry again.

## 2. Implementation Notes

Pick your language first from C# or Java. You can pick one you know best or one you want to learn, but be sure to use one that you know how to compile using the standard IDE tools.

Develop complete code to do at least these functions:

- a. Enter People. User input or read a file to set up multiple people.
- b. Attempt to Marry Two People. Identify two people (you pick how to do so) and marry them if allowed by the rules.
- c. Print out all the people in the system, including all their information and if they are married show to whom.

You can add other functions too if you wish. It's good to at least think about how you would do them (we may work on this more in another assignment). For example, how would you end a marriage.

Information for people is up to you to decide from the requirements (names, etc.) If you want to start by getting input from a text file consider using a format something like this for each line of the file (completely optional, just my suggestion; separating each piece of information with "/")

/id number (or blank if none/family name/given name/other names/gender/birth year/birth month/birth day/

Functional Needs Statement with Implementation Notes  
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