Summarizing the problem in your own words and why its important.........3%

An application is needed to determine from a list of persons, similar interests that they may have to other present in the list. The application should suggest activities, in the event a closely related person has the same related attribute. However, this should be done only by request upon request. The degree of separation between two random persons and the average degree of separation for all the persons in the list should be computed.

For one to understand the problem that must be solve it must first be understood. If the problem is not understood one may create a solution that does output a desirable result. Therefore, each part of the problem statement must be analyzed thoroughly so the underline issue can be defined, then and only then can an appropriate solution be designed and implemented to solve it.

Stating the problem category this problem belongs to................................2%

After analyzing the presented passage, the problem category was found to be a Graphing problem. The nodes in the graph would be a representation of the users on the list. The user’s connection with close contacts, i.e. their related attributes, would be illustrated by the edges on the graph.