Implement Dating Application:

--> Need to add Users with attributes: {Hobbies, Gender, Distance coordinates}

--> Find all potential matches for a given user.

The priority is as follows:

a)Opposite Gender

b)High Common Interests [Let say if User1, User2 ==> 3 common interest and let say User1, User3 ==> 1 common interest], then User 2 will be displayed ahead of User3.

c)Nearest Distance can be computed using distance formula.

Two operations needs to be supported:

-->Display Potential matches for a given user in sorted order(based on criteria said above).

-->User can Like/Dislike any potential matches, Therefore for any user we can see his/her match preference.

Code:

--> Should adhere all OOPS/Design principles

--> Should be flexible, to add or remove sorting criteria.