TracMobility Intern Assignment

<u>Objective</u>: This assignment will test the candidates' ability to write an algorithm and design the front-end page.

<u>Problem Statement</u>:

1. Write an algorithm for given N edges find whether those edges form a connected graph(https://en.wikipedia.org/wiki/Graph_(discrete_mathematics)#Connected_graph).
   a. 0 <= N < 10000
   b. Input: comma separated list of edges
      i. Example: a1-a2,a3-a5,a6-a4,a4-a1
   c. Output: Connected | Not Connected
   d. Examples:
      i. Input: a1-a2,a2-a3,a3-a4 Output: Connected
      ii. Input: a2-a5,a1-a7,a5-a7,a3-a4 Output: Not Connected

2. Design and develop a web page which allows the user to register into the system.
   a. Input fields are
      i. User Name(First and Last Name)
      ii. Phone Number
      iii. Email Address
      iv. Password
   b. Proper validation for entering phone number and email address before click of "Register".
   c. And these entries should be stored in Database(ex. SQLite).