

# Mentor Match

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## Problem Statement:

Due to the fast paced nature of business, it is often necessary to have a mentor to teach new workers. This relationship can often last years through career and life changes. The main problem with this approach to learning is the initial connection between mentors and mentees. Often it is hard to meet people or know the expertise or interests of the people we meet. Not only that but it is quite often the case that the greatest learning can come from someone outside our current 'bubble' of influence. Our app will seek to alleviate these issues in order to facilitate the creation of mentor and mentee relationships.

### Application Domain: Business Connections

#### Motivation:

Canada Learning code had an event organized at GasBuddy, with people from the tech industry and computer science students. One of the concerns was that there is no platform for people in the tech industry to connect, people didn't know whom to reach out when they want to seek guidance for improving skills or to coach people who need mentoring. So we decided to build an app, which would help provide a solution to this problem, and facilitate the creation of mentor mentee relationships.

## Functional Requirements:

### Req 1 - Sign up and create a profile:

The user will be able to sign up and create a profile, which would include their skills, the areas where they need coaching and areas of expertise, and a profile picture. This would show them more

### Req 2 - Log into system:

The user will be able to log into the system using an email, password and two factor authentication.

### Req 3 - Select Roles:

The user will be able to select roles mentor or mentee.

#### Req 4 - Swipe on Profiles of Mentors:

The user will be able to swipe left for no or right for yes as to if they would like to be matched with the current Mentor or Mentee.

#### Req 5 - View more details:

The user will be able to tap on the currently shown profile and see more profile details

#### Req 6 - Update profile:

The user will be able to input new profile information or modify existing information and see it accurately reflected in their profile

#### Req 7 - Chat with matched Mentors or Mentees:

The Mentee or Mentee will be able to use instant messaging to chat with the Mentors they matched with.

### Quality Requirements:

#### Correctness:

The system will send instant messages to the right person, show the proper profiles based on the matching algorithm, accept the correct inputs, and accurately modify the profile.

#### Time-efficiency:

The system will send instant messages with minimal latency, show the next profile with no down time, update profile information quickly and efficiently so that any changes are immediately reflected.

#### Robustness:

The system will reject improper input into the profile form, The system will reject improper input into the instant messaging input, the system will not respond to improper touchscreen input. As an example, should the user swipe vertically up, which is not an option, the profile window will return to the neutral position with no input sent to the server.

#### User Friendliness:

The system will have clearly defined tabs using symbols as icons, font will be clear and easy to read, there will be both swipe input and icons to tap on if swipe is not possible, users will be able to switch roles easily and have those rolls be clearly indicated on the UI.