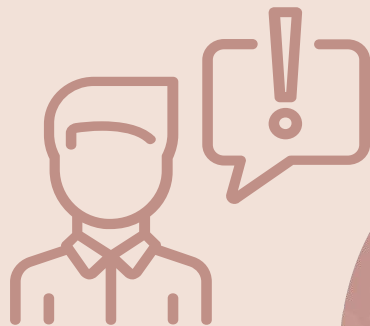# PAIR PROGRAMMING MATCHER

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PROBLEM STATEMENT

It is very difficult to manually pair two engineers to work towards a solution

- Pair programming is **powerful**, and not utilized enough in industry

- There is **no efficient, automated solution** for pairing up teammates

PROPOSED SOLUTION

An automated tool to **promote effective collaboration**

- Leverages engineer's availability, need, and areas of expertise for efficient peer programming matchups

- Pair engineers together in such a way that **both** may benefit

RELATION TO PROJECT GOAL

Support a culture where **frequent collaboration** is the norm

- Reduce engineer's time spent 'blocked'
- Improve communication between teammates, horizontal teams
- Reduce imposter syndrome for up-and-coming engineers
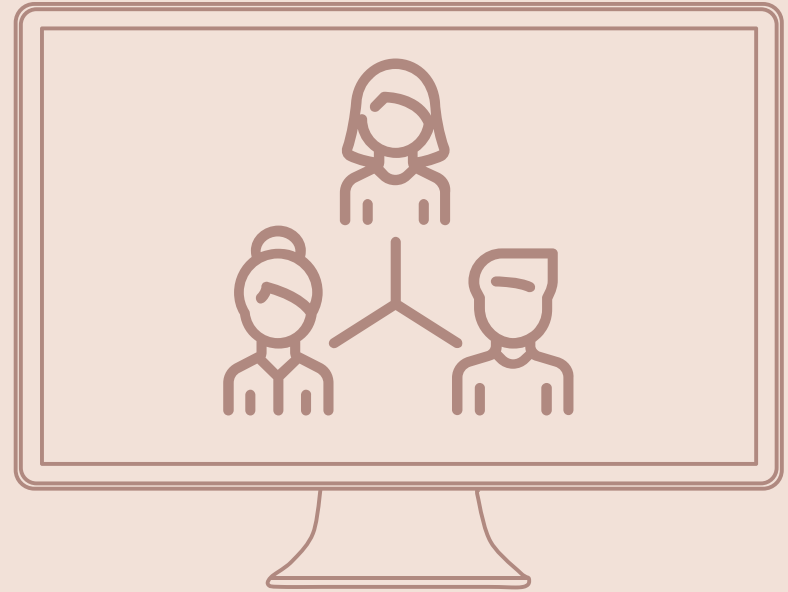
REQUIREMENTS USE CASE

Precondition: User must create a profile that includes their preferences for availability, expertise, and more.

Main Flow: User will request match [S1]. The matching tool will generate complimentative possible matches for the user to pick from based on their profile [S2].

Subflows:

[S1] User requests a pairing.

[S2] Matching tool will look through current options and give the user possible pairings that mostly match their preferences.

[S3] User can select one from the proposed pairings and can directly contact them to start pair programming.

Alternative Flows:

[E1] There are no possible pairings, in the case there are no good pairings or no one in the matching pool.

THANK YOU