

Specification

1. functionality

A. Real-time interview:

- Participants:
 - See problem specs:

Participants can see the specification and requirements of the ongoing interview problem.
 - See blackboard real-time changes:

Participants can see the change of blackboard in real-time if interviewee is editing the blackboard
 - Audio communication:

Participants can talk with each other through on-line audio talk tools for better communication.
 - Evaluation:

After the interview, participants can evaluate each other's performance during this interview. Evaluation will determine the overall rate of a user, which will be used to rank users. If the interviewer receive high rate, he will also earn more interview points. Higher rank will provide users with higher priority when matching an interview.
- Interviewee:
 - Edit blackboard in real time:

Interviewee can edit blackboard like writing code or comments. Those change could be seen by both of the participants.
- Interviewer:
 - Add comment:

Interviewer can add comments or notification about the content in blackboard, but iis not able to edit interviewee's code (interviewee's code protection). Interviewer could choose that whether interviewee could see those comments at real time.
 - Throw follow-up questions (text):

Interviewer pose a question related to the code problem.
 - Recommended:
 - When interviewee gets stuck, interviewer could give a hit or recommendation to interviewer to help later review.

B. User service:

- Register and log in:

Basic features. Users have to provide their major and school information during registration, as well as the major language they will use during the interview.
- request for a matching and pair two suitable users:

Users can start to match an interview. First, they need to choose the role they would like to perform, interviewer or interviewee. Users need to consume interview points in order to be an interviewee. For interviewee, they could just click the start button to start pairing. Interviewers first need to pick a problem and then look through the solutions, before they are able to start the pairing process. People with higher rate and better evaluation have priority in pairing. (maybe the match pattern will contain extra information like the number of interviews taken part in, target role(interviewer or interviewee)).

- See other user's profile:
Users can see other users' information including occupation, school, major and rank.etc.
- See interview history:
System will save the interview process for users, including the content of the blackboard and other related information. Users could review the code later if they would like to.
- See ranking system:
Users can see the rank board and get in touch with those excellent user.

C. Interview points and ranking system:

Based on the fact that users tend to be interviewees than interviewers, we need to encourage more users to act as interviewers.

- Earn and consume points:
Interview points serve as a kind of "currency" in the system. Users will earn some points by being an interviewer, lose point while acting as an interviewee. Users must have enough point to start the matching process as an interviewee.
- Ranking system:
Rank system serves as a motivation for users to perform better. Match system also determine a pair according to the ranking system. Ranking is based on the number of interviews the user has taken and his overall rate by others.

