

InterCode

Description :

InterCode is an application that takes Telephonic Technical Interviews to next level, by allowing Interviewer and Interviewee to work on the same Code Editor window simultaneously and be able to compile and run the code to check the correctness.

Basic Features :

1. Both must be able to communicate with each other by sending and receiving messages (in a separate conversation tab).
2. The interviewer can enter details about the candidate in the database.
3. They both must be able to work on the same editor window simultaneously (typing in one directly changes the other's code).
4. Both should be able to compile and run C, C++, Java, Python codes.
5. The application must precisely display compile and runtime errors and output for a given set of inputs.
6. Implement options like Find and Replace (provide an option for regex)
7. Keyword highlight according to the language selected.
8. Change font size and style in editor.
9. Show line number in the editor.
10. The interviewer must be able to give a question to the Interviewee for him to solve.
11. After interview Interviewer can rate and score the student and the result is saved.
12. Fetch details of best of all the candidates.

Advanced Features :

1. The interviewer should be provided with a timer to keep a track of the solving speed of the student.
2. The interviewer can write detailed notes regarding the performance of the student (timer and notes visible to interviewer only).

9. One should be able to share his Desktop screen to others who are connected together (View only).
10. Friend suggestion to a user based upon "friend of a friend" ontology.
11. Group video chatting.

Note: Additional points will be awarded for synchronising audio with video and following conventions of material design.

For this project, you can use

- OpenCV
- Webcam Capture API (<https://github.com/sarxos/webcam-capture>)
- Xuggler