**Pros and Cons of Tech Used**

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| **S.No.** | **Tech /API used** | **Advantages** | **Disadvantages** |
| 1 | Peerjs | * Peer to Peer network is not dependent on a centralized system. * P2P networking has one of the best scalability features. * The overall cost of building and maintaining a peer to peer network is relatively inexpensive. | * Files and folders cannot be centrally backed up. * There is little or no security besides the permissions. |
| 2 | Socket.io | * Realtime bidirectional communication. * Easy to access and setup. | * Socket.IO in not well suited for applications when you are better to cache results |
| 3 | Mongo DB | * Simplicity * High Speed and availability * Flexible | * High Memory usage. * Duplication of Data. |
| 4 | React | * Reusable Components * Support for many handy tools * Virtual DOM improves performance | * High Pace of development. * Poor Documentation. |
| 5 | YJS | * Peer to Peer * CRDT over Operational transform. | * Leverage key benefits such as idempotence and commutativity to ensure that operations are efficient. |
| 6 | Codeforces | * Vast amount of Questions. * Other Details of question help to enhance functionality | * Test Cases not available for questions |
| 7 | Judge0 CE | * Multi Language code compiler * Fast Code execution with error pointing capabilities | * Free only for limited runs per day (200). |