

Pros and Cons of Tech Used

S.No.	Tech /API used	Advantages	Disadvantages
1	Peerjs	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• Files and folders cannot be centrally backed up.• There is little or no security besides the permissions.
2	Socket.io	<ul style="list-style-type: none">• Realtime bidirectional communication.• Easy to access and setup.	<ul style="list-style-type: none">• Socket.IO is not well suited for applications when you are better to cache results
3	Mongo DB	<ul style="list-style-type: none">• Simplicity• High Speed and availability• Flexible	<ul style="list-style-type: none">• High Memory usage.• Duplication of Data.
4	React	<ul style="list-style-type: none">• Reusable Components• Support for many handy tools• Virtual DOM improves performance	<ul style="list-style-type: none">• High Pace of development.• Poor Documentation.
5	YJS	<ul style="list-style-type: none">• Peer to Peer• CRDT over Operational transform.	<ul style="list-style-type: none">• Leverage key benefits such as idempotence and commutativity to ensure that operations are efficient.
6	Codeforces	<ul style="list-style-type: none">• Vast amount of Questions.• Other Details of question help to enhance functionality	<ul style="list-style-type: none">• Test Cases not available for questions
7	Judge0 CE	<ul style="list-style-type: none">• Multi Language code compiler• Fast Code execution with error pointing capabilities	<ul style="list-style-type: none">• Free only for limited runs per day (200).