**Cloud Chess Engine**

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**Concept Note:**

The main problem if chess engines now a days can be summarized by one word ‘time’. Now a days chess players like to leave their chess engines running overnight just to get accurate results/analysis on their move. This technique also makes practise time-consuming for the players, who must wait many hours each time they have a crucial position to analyse.

Only a select few players (perhaps the world champion and the top contenders) can afford technology powerful enough to speed up their analysis thanks to sponsorship. Such equipment can cost up to 200,000 USD, which is excessively costly for a sport when the majority of competitions offer lower prize money. The top GMs now have a big advantage over the other players in terms of opportunities. Most of them practise on standard laptops and computers. They must therefore either spend 100 times as much time or never arrive at the same analysis outcomes as the super-GMs.

We can solve the issue of accessibility using the cloud servers. And now everyone can now reach the same top GMs level, this not only saves the players a lot of time but also eliminates the accessibility gap between them and the other players.

**Literature Review:**

There are many platforms through which we can access the chess engine and who are also on the cloud servers for the availability. Few of the examples of such cloud based chess engine are ChessBase Cloud and Chessify Cloud.

ChessBase Cloud provides us with a wide variety of engines and servers, it has flecible pricing, available on ChessBase and Fritz by default, it also has the possibility to send and receive ducats (ChessBase currency) from other users. Grand Masters can acquire ducats through offering their courses or simulations to other ChessBase users.

Chessify Cloud is by far the most powerful server in the chess market, it always offers the latest versions of the chess engine. It has also recently collaborated with Oracle, it also provides 24/7 support.

ChessBase Cloud will be useful for those who occasionally like to try out several engines without paying a lot of money, while Grandmasters and players who intend to prepare for a certain event and want to be sure that their analyses are the most precise in the market should choose Chessify, a more upscale and secure cloud service.

**Flowchart:**

