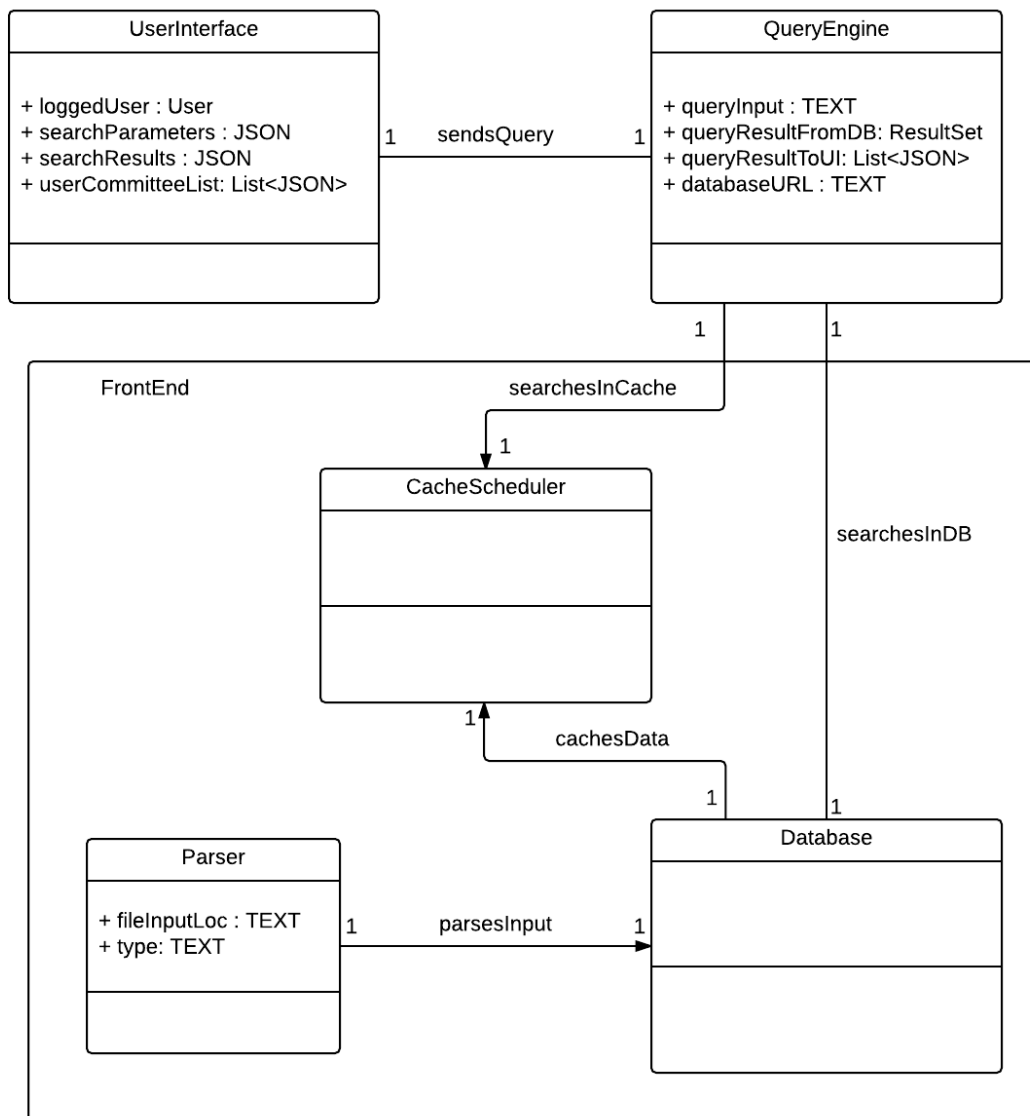


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## SYSTEM CLASS DIAGRAM (high level)



### **Class Definitions:**

- **UserInterface:** Represents the User Interface component. It takes in the search parameters from user, passes to the QueryEngine, and displays the result obtained.
- **QueryEngine:** Represents the QueryEngine component. Query engine is responsible for converting the search parameters to a query form, executing it, and returning the results to UserInterface.
- **CacheScheduler:** It will store the table(s) in memory for faster access.
- **Database:** Represents the entire database set. Stores the required tables.
- **Parser:** It parses the given input data, and converts it to the specified database form.