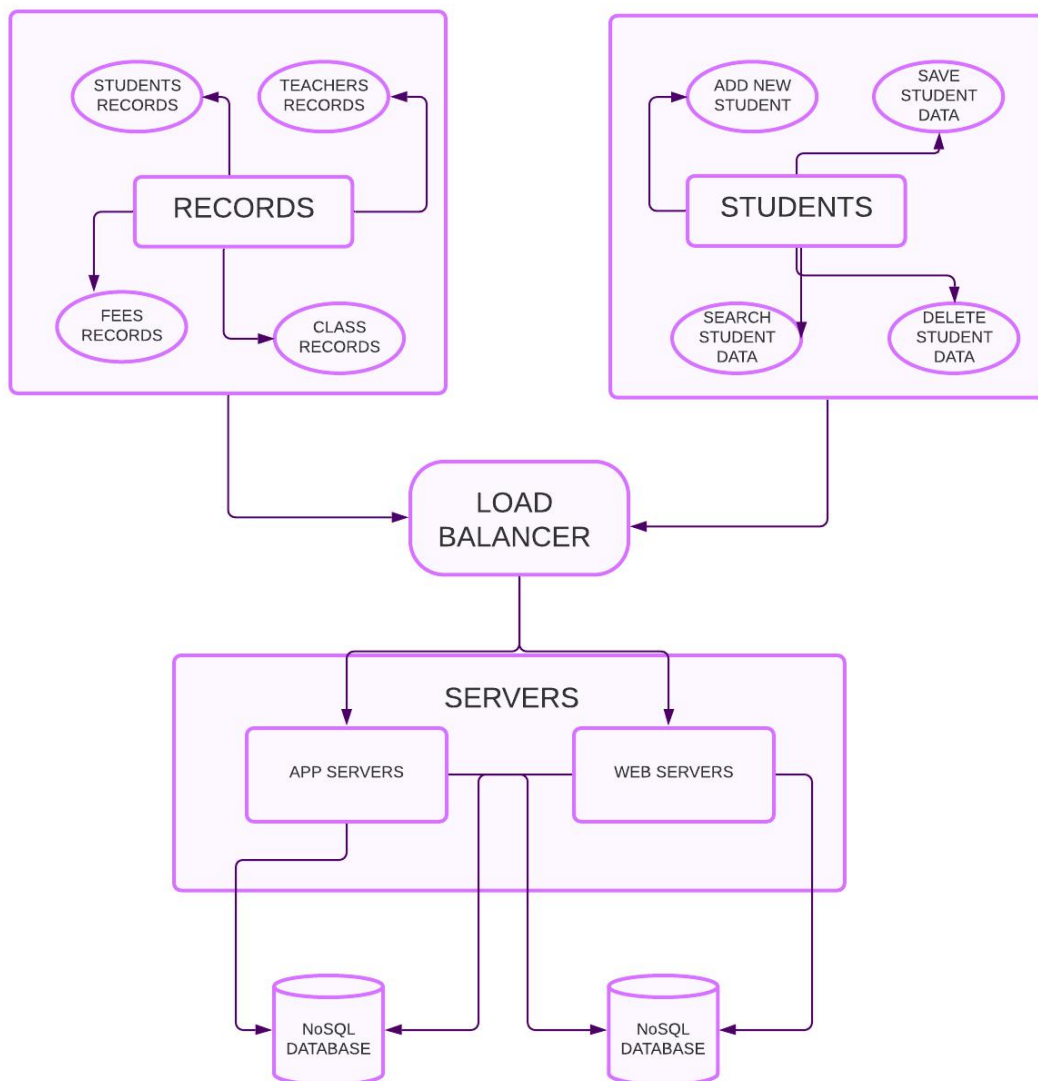# ARCHITECTURE OF A SCHOOL MANAGEMENT SYSTEM
## (MODELLED TO ACHIEVE SCALABILITY)



In this architecture, a number of actions or request services available on the management platform (shown in the diagram above) are accessed through requests are handled by the load balancer and relayed to the appropriate server below which are directly linked to the databases.

In order to ensure scalability of the platform, the load balancer is used like a multiplexer which distributes the set of tasks over the set of servers below with the aim of making the overall processing more efficient. It ensures the optimization of response time and the avoidance of uneven overloading.

Also, NoSQL databases are used instead of other types. This is because NoSQL databases are horizontally scalable and therefore, can handle more traffic simply by adding more servers to the database.