Console Application vs. Full-Scale Web Application

One of the primary differences between the console application and a full-scale web application is the number of requests we need to handle per second. The console application only needs to handle request made by the current user. On the other hand, a full-scale web application might need to handle simultaneous requests from multiple users. When designing this system, we would primarily be concerned with performance (results should be quick) and accuracy (results must be complete and correct). To improve performance, we could have multiple machines listening for incoming requests. We would use a load-balancer to distribute incoming requests to these machines. As traffic increases, we could increase the number of available machines (horizontal scaling) or increase the performance of our current machines (vertical scaling). Furthermore, we could improve performance by using an in-memory database to cache query results, minimizing the number of Food Truck API GET requests. However, we might have issues with the accuracy of our results if the cache becomes outdated (food truck schedules change).