While our software is a ticketing software for an athletic complex, at the core it is a ticketing software and hence it resembles other ticketing software on the market. BookMyShow is a popular theater ticketing software that allows users to book tickets for movies, events, and concerts. This software provides a platform for users to perform functions such as choose seats, pay for tickets, reschedule tickets, and so forth. These actions are also performed by our software. The difference in their functioning becomes apparent when we look at the high-level implementation difference between the two. The ticketing software for an athletic complex will be more non-localized and yet more robust than a theater ticketing system. BMS provides an online platform for booking tickets with nearly every theater that ties up with them. This requires the theaters to set up their own servers and databases which are then linked to the BMS application servers.

A screenshot of a cell phone

Description automatically generated

The above diagram is the implementation diagram of the BMS model.

Our software implements a Client-Server architecture as well. The difference however is that both the Athletic Complex employees and Customers will be clients to our software. The Employees will be interacting differently with our software servers than customers. However, both of them will be clients to our servers. The servers that the employees will interact with will be different from the one a user will interact with. Since the servers that employees interact with will be exclusive to them, they will not have to deal with customer traffic. Further, we will be hosting their database.

The biggest advantage that our model presents over the Theater model is that it saves the Athletic Complex the cost of setting up servers and databases in their office. We are well aware that Servers require monitoring to provide clients with an interruption free experience. This would further require the Athletic Complex to hire an IT team to monitor the servers and resolve any issues associated with it. Athletic Complexes experience a different level of traffic in comparison to theater ticketing software. The fact that all the clients will be connecting to our servers, in an environment hosted by our software will provide consistent performance.

Another popular ticketing system that compares to our software is the Tix ticketing software. This software is a cloud-based event ticketing system. While they highlight the idea of freeing their customer of installing hardware, they present a unique marketing model. Instead of having a subscription, they charge money on every ticket sold via. their platform. This is a little different from our model as in our model our software will be interacting with a bank server to process the transaction. The cost of the transaction would be the cost of the ticket that would be purchased. In this case, the Tix software takes its cut from the cost during the transaction. Nevertheless, it is an interesting model as it can beneficial for organizations that do not process a huge number of transactions.

References:

N. L, “BOOKMYSHOW system design !!,” *Medium*, 08-Sep-2018. [Online]. Available: https://medium.com/@narengowda/bookmyshow-system-design-e268fefb56f5. [Accessed: 18-Apr-2020].

“State-of-the-art, cloud-based event ticketing.,” *Tix*. [Online]. Available: https://www.tix.com/default.aspx?src=capterra. [Accessed: 18-Apr-2020].