

Existing Systems Analysis

The tickets reservation domain has been well-explored in both academic literature and commercial implementations. Key findings from our research include:

1. **Online Booking Platforms:** Platforms like Eventbrite, Ticketmaster, and BookMyShow dominate the market, offering features like seat selection, multiple payment options, and mobile integration.
2. **Academic Research:** Studies on queue management systems (Qiu et al., 2020) and dynamic pricing algorithms (Gallego & Van Ryzin, 1994) provide theoretical foundations for our implementation.
3. **Technological Trends:** Modern systems increasingly incorporate AI for personalized recommendations (Chen et al., 2021) and blockchain for secure transactions (Zheng et al., 2018).