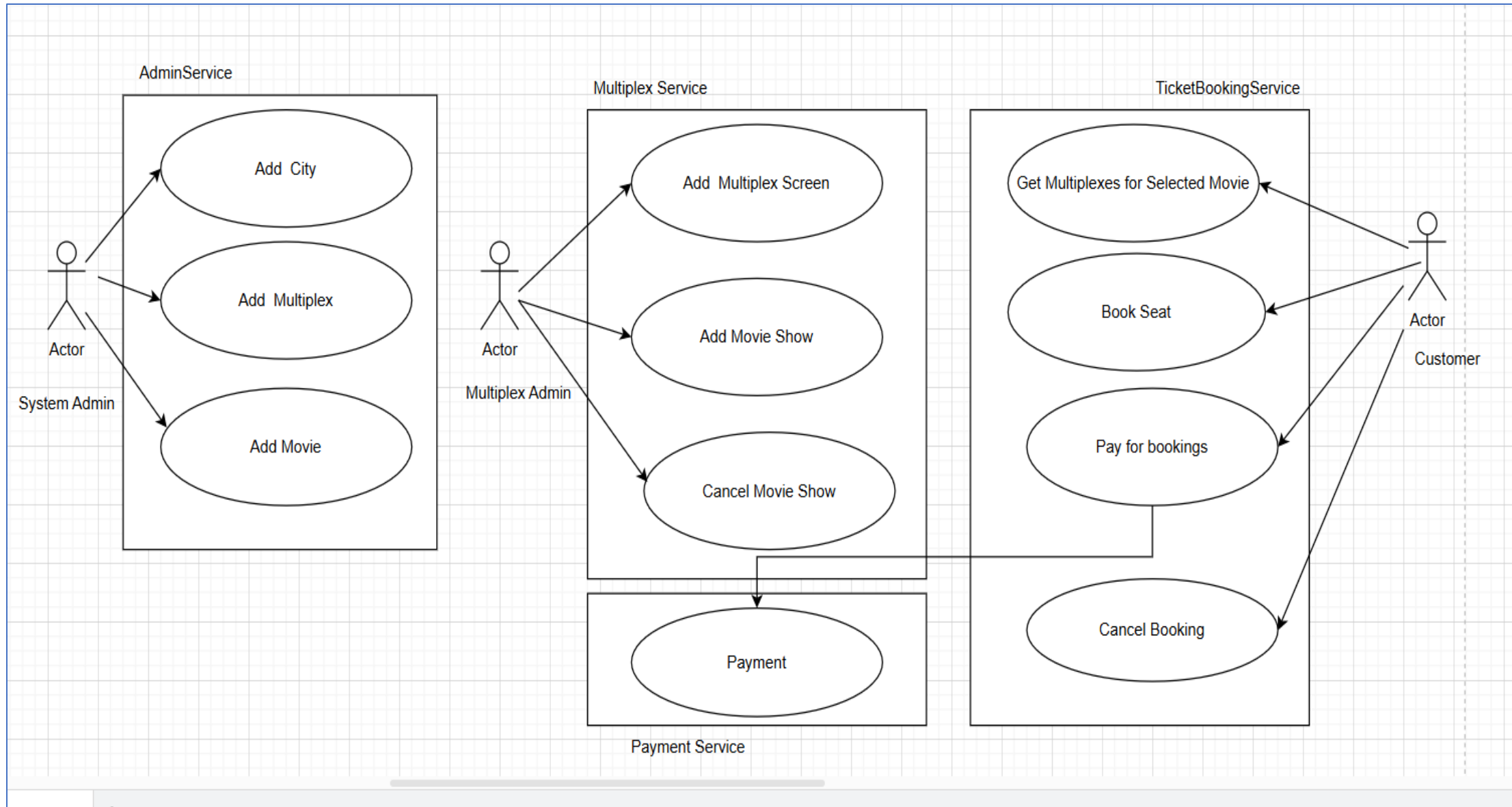


Movie Booking System

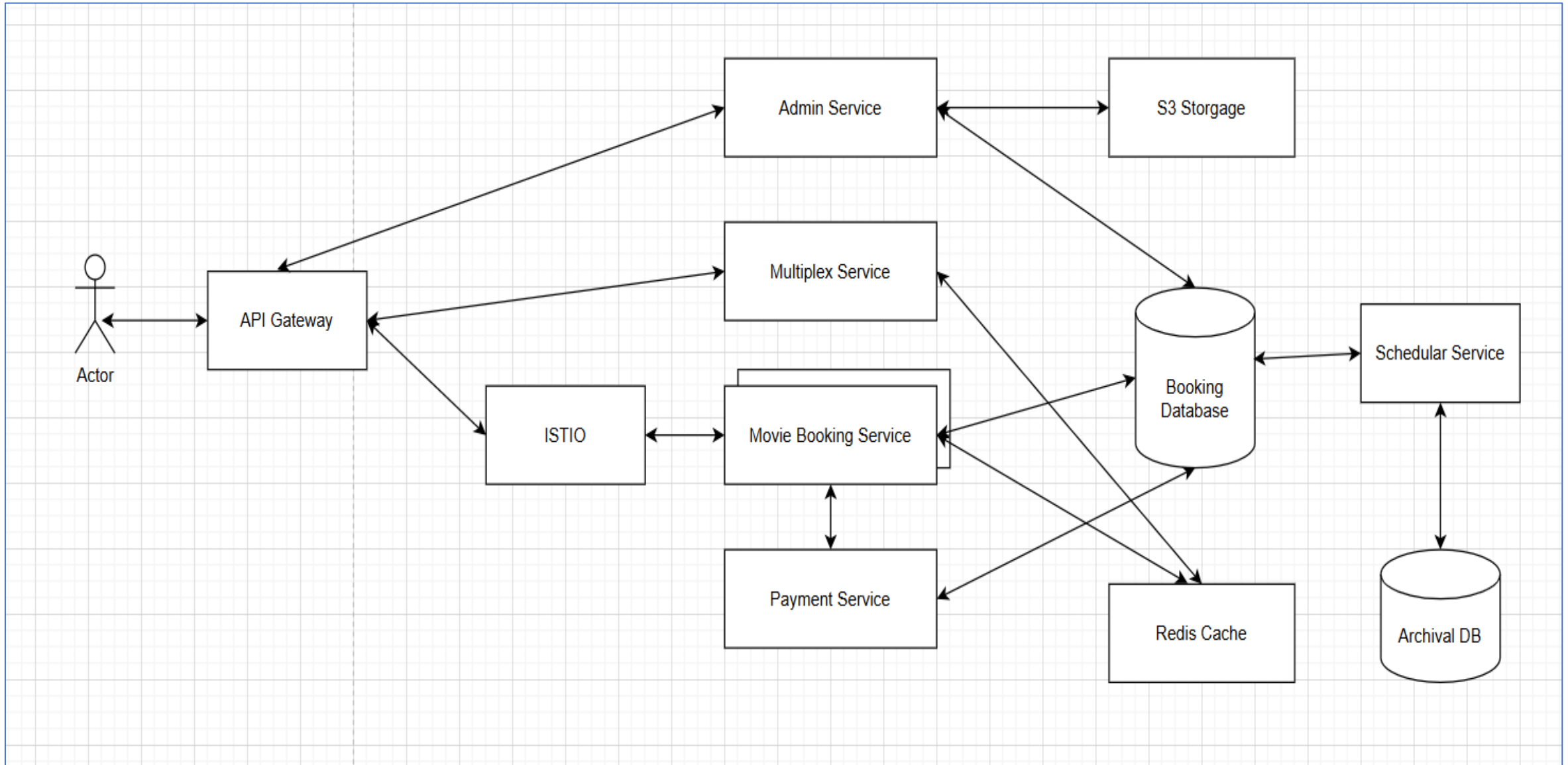
By

Shailesh Kulkarni

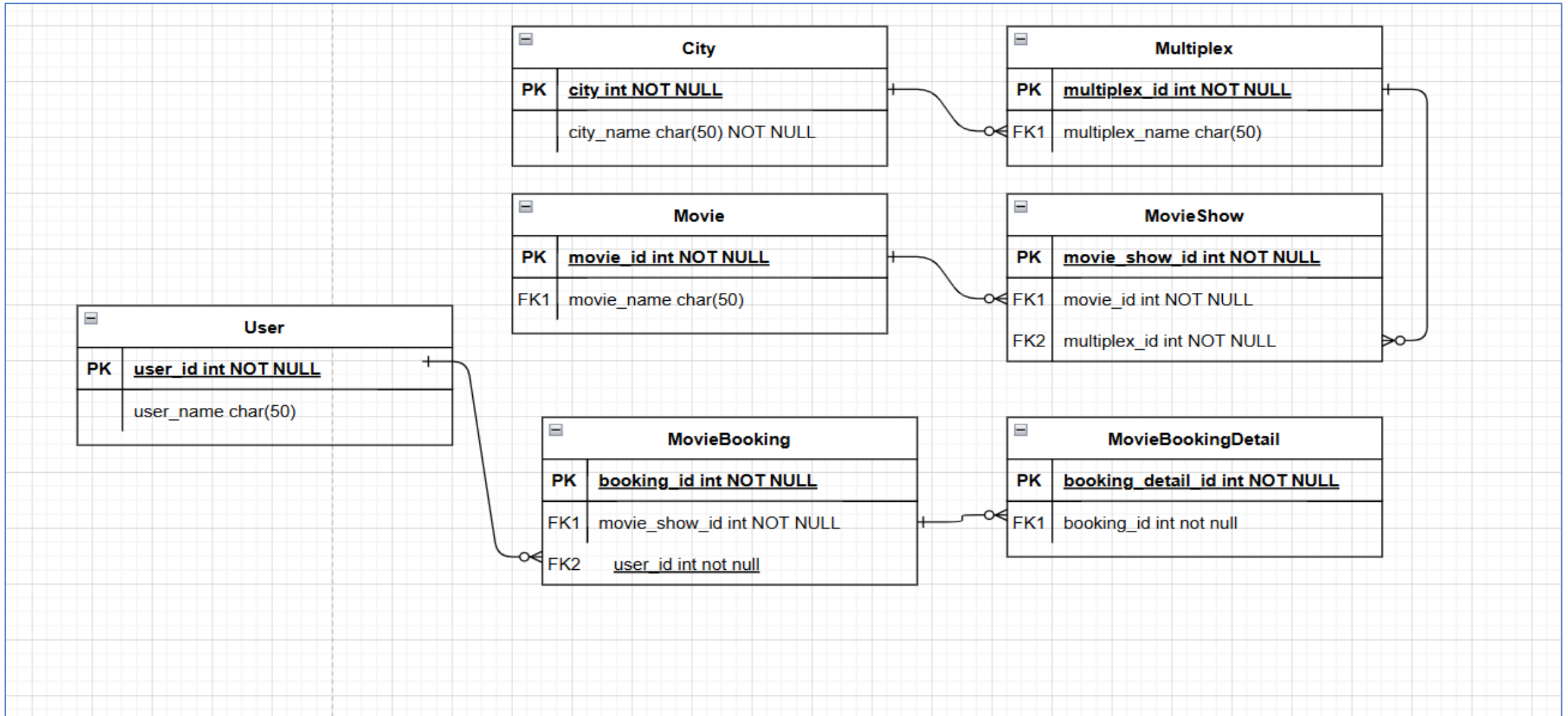
Use Case Diagram



HLD



ER Diagram



Component Details

- API Gateway
 - Exposes REST APIs to outside
- Admin Service
 - Provides REST APIs for Movie system administrator
 - Add City
 - Add Multiplex in City
 - Add Movie
- Multiplex Service
 - Provides REST APIs to be used by Multiplex B2B Applications / Administrators
 - Add / Update / Remove Multiplex Screen
 - Add / Remove Movie Show on different screens.

Component Details

- **Movie Booking Service**
 - Provides REST APIs to get the multiplexes show details for specific movie on specific date.
 - Provides REST interface to book movie, apply discount coupon.
 - Initiate payment for booking.
 - Cancel booking
- **Payment Service**
 - Integration with payment gateways to track the status of booking payment.
 - Maintains the payment details
- **Schedular Service**
 - If the payment is not complete in specific time, it cancel's booking
 - Cleanup data from main database and move it to the Archival DB.