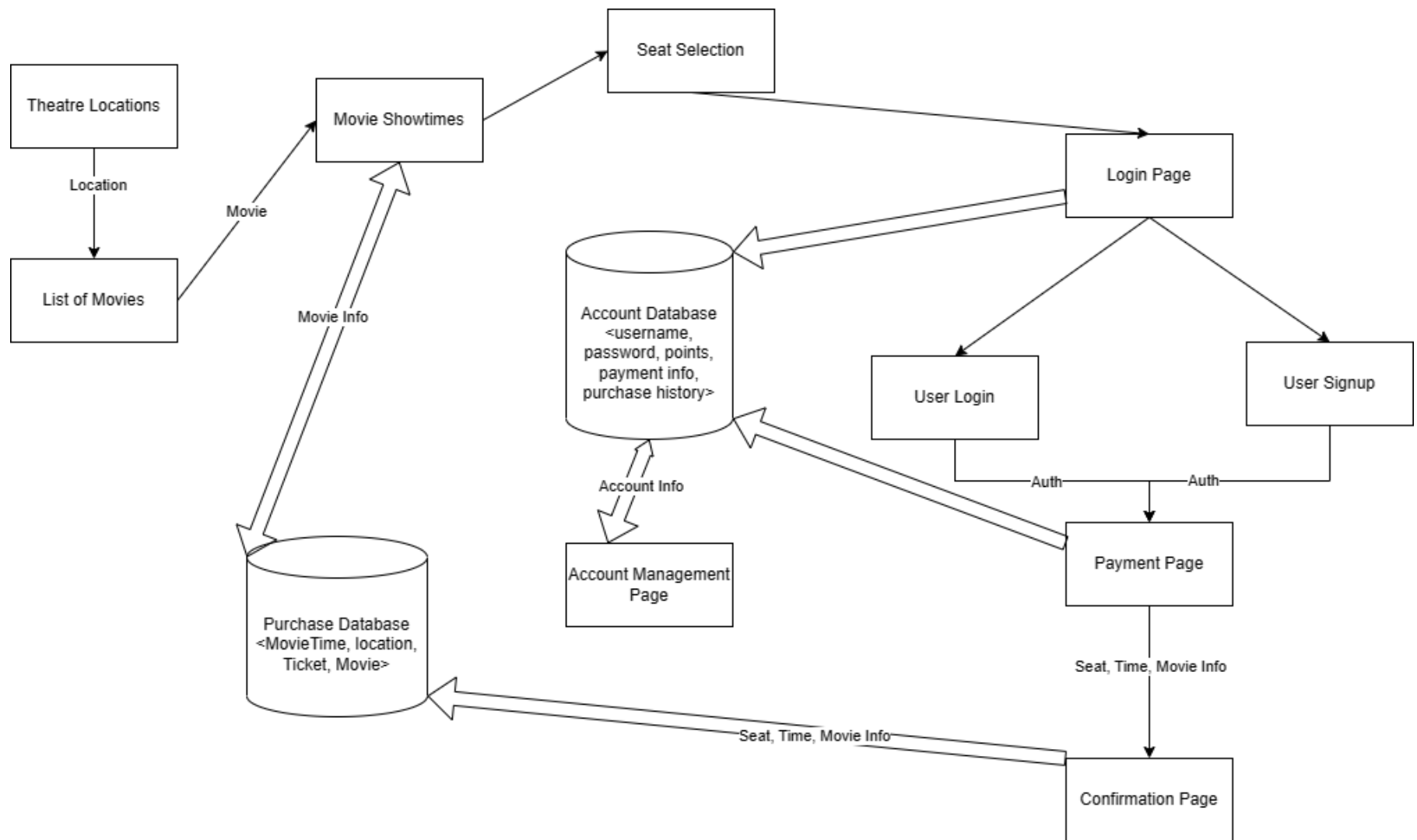


Movie Theater Architecture Design w/ Data Management

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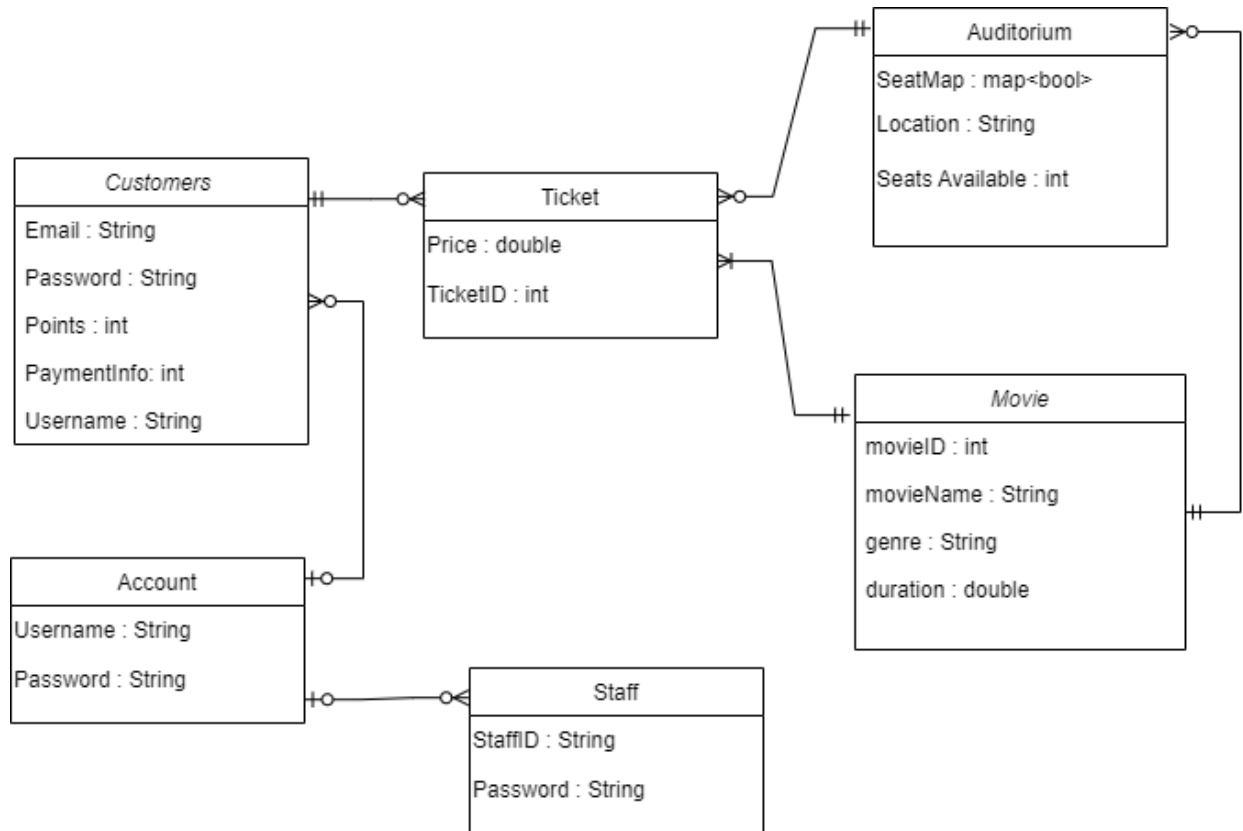
April 16, 2023



Adjustments:

- Separated the databases into Account and Purchase Databases for better data management

Data Management Strategy :



This ERDiagram features the 2 databases:

Account Database:

- Every account can either be of type customer account or a staff account. You can have many 0 or many customer/staff accounts in your database.

Purchase Database:

- Every customer account can purchase 0 or many tickets. Each ticket is specified to one and only one customer.
- Every ticket can only be specified to one movie. You can have one or many tickets. A movie can be shown in one or more auditoriums.
- Every ticket is specified to one and only one auditorium. You can have 0 or many tickets for one auditorium. Each auditorium is specified to one and only one movie at a time.

Tradeoff Discussion : You should also discuss your design decisions: how many databases you chose and why, how you split up the data logically, possible alternatives you could have used (both in technology and organization of data), and what the tradeoffs are between your choice and alternatives.