

Movie Theater Software Design

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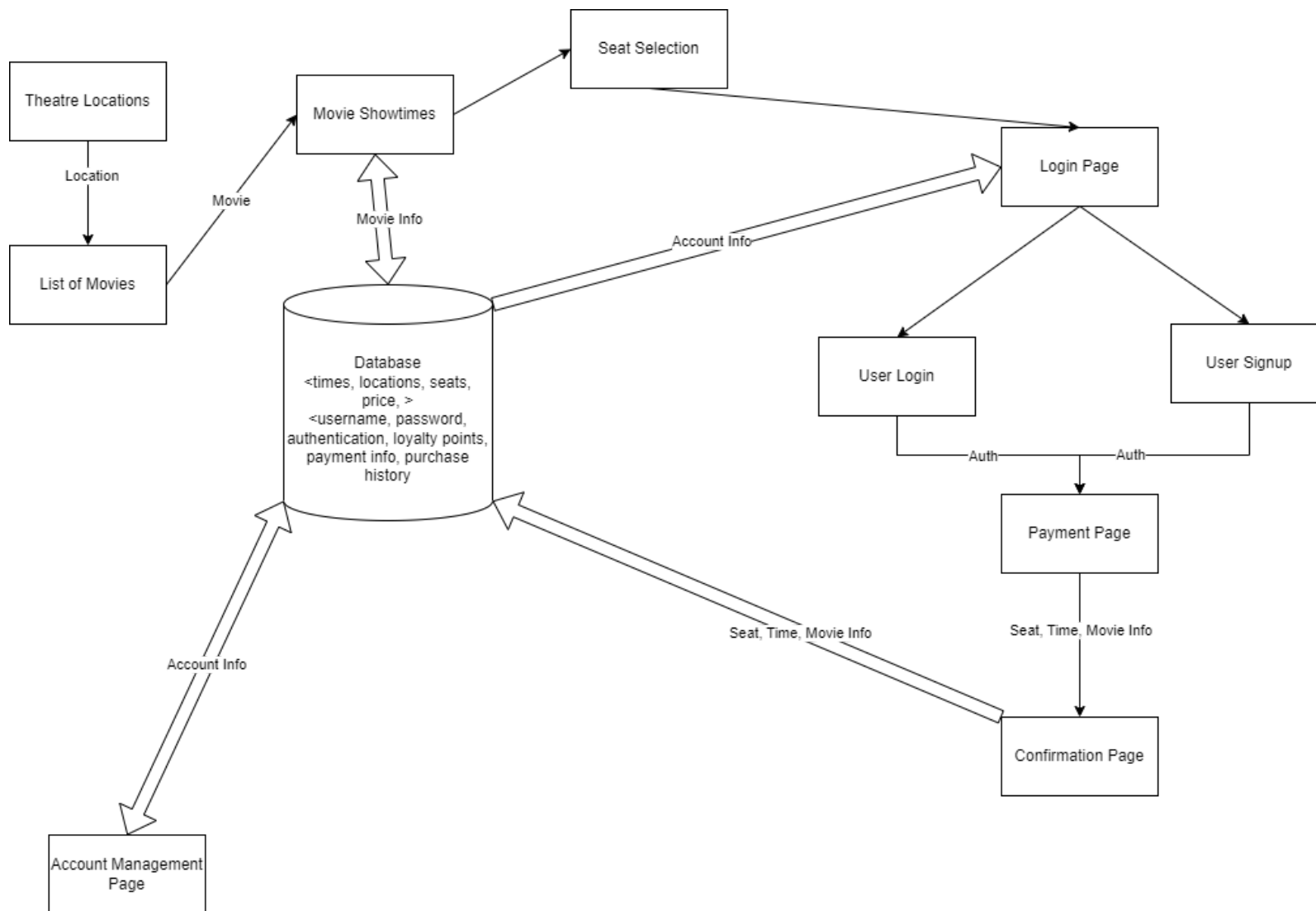
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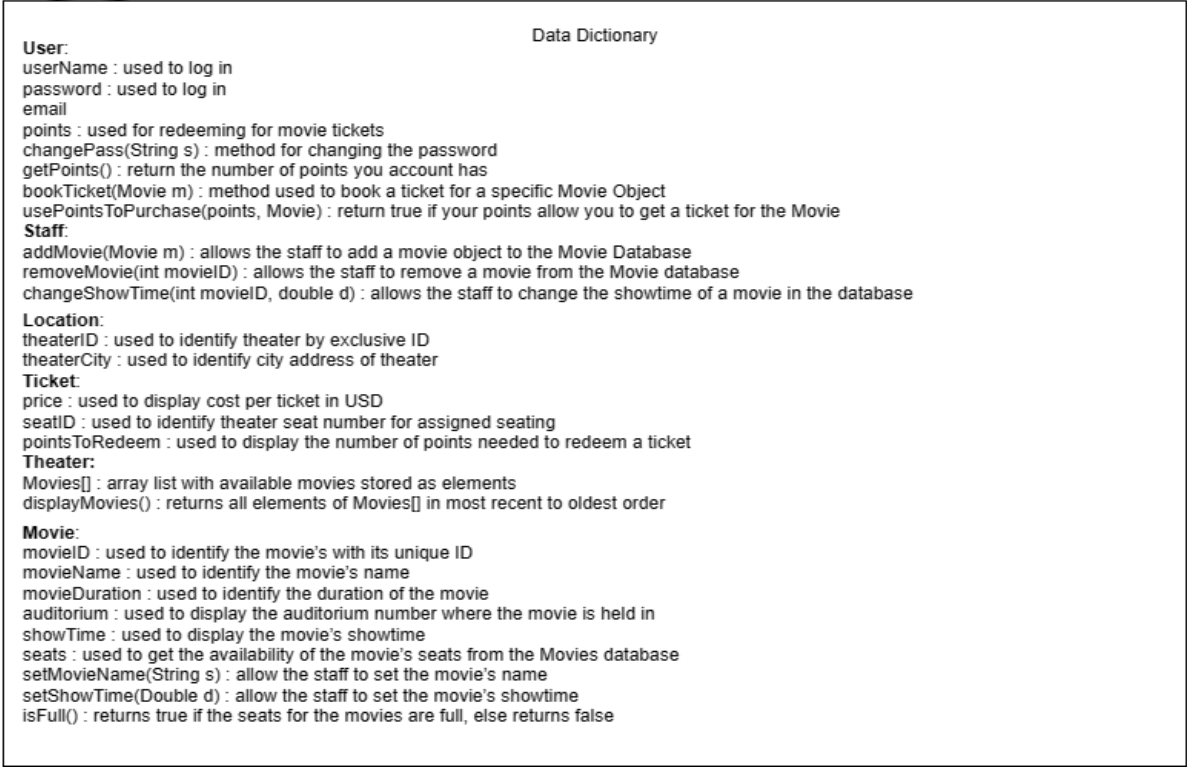
System Description

The movie theater software system is a fully integrated platform created to enhance the functioning of the theater. This system facilitates an effective and hassle-free process for customers to access different services. These services include:

1. Account: Customers can create accounts in order to have an easier experience when using the software as their information such as name, email, and credit card will be saved to their accounts.
2. Ticketing: Customers can purchase tickets online or at the box office using the software.
3. Reservations: Customers can choose to reserve seats for specific showtimes. The reservation system will make sure those seats are held until purchase.
4. Loyalty program: Users that join the loyalty program will have access to special offers and redeemable points on purchases.

Software Architecture Overview





Development plan and timeline

- Aaron Maryfield
 - Task: Create Landing page and design for web software
 - Timeline: 1-2 days
- Ahmed Hageb
 - Task: Create all classes and interfaces needed for the software.
 - Timeline: 2-3 days
- James Yang
 - Task: Set up and launch Movies and Users Databases and connect them to software.
 - Task: Testing Databases with inputs and outputs to make sure data is being stored correctly
 - Timeline: 3-4 days
- Michael Zalameda
 - Task: Define and implement which data structures and what algorithms are going to be used in the software for maximum efficiency.
 - Timeline: 4-5 days
- Trenton Taylor
 - Task: Define and implement security measures such as authentication mechanisms and encryption techniques
 - Timeline: 1-2 days