

Activity:

The university is looking to develop an online movie rental system that allows customers to browse and rent movies, track their rental history, and make payments for rented movies. The system will also allow the admin to manage movies, customers, and rental transactions.

Business Rules:

- A Customer can place multiple Rentals, but each Rental is linked to only one Customer.
- A Rental can consist of multiple Rental Items, and each Rental Item references a specific Movie.
- A Movie can appear in multiple Rental Items (for different customers and rentals).
- A Rental will have a total amount calculated based on the price of the rented movies and the quantity of movies rented.
- A Payment is associated with a Rental, and the total payment amount must match the rental total amount.
- A Customer can have multiple Payments for the same or different rentals.

