



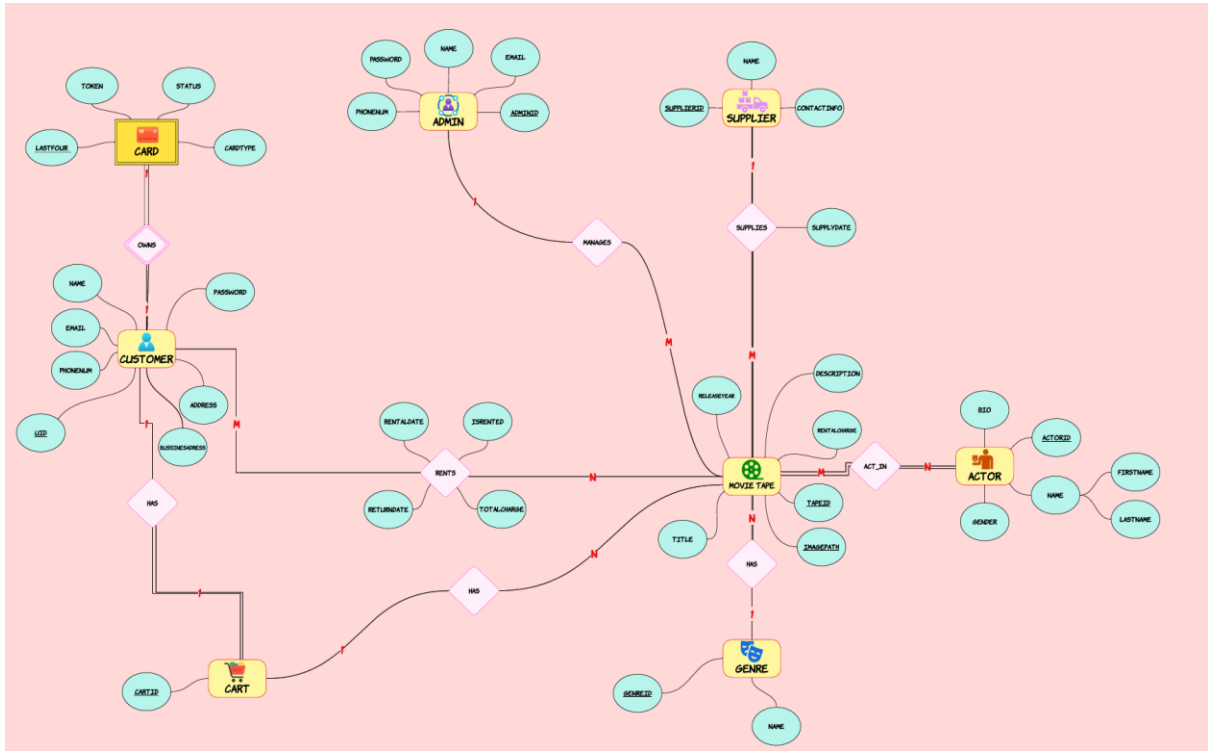
# Intro to Database Systems

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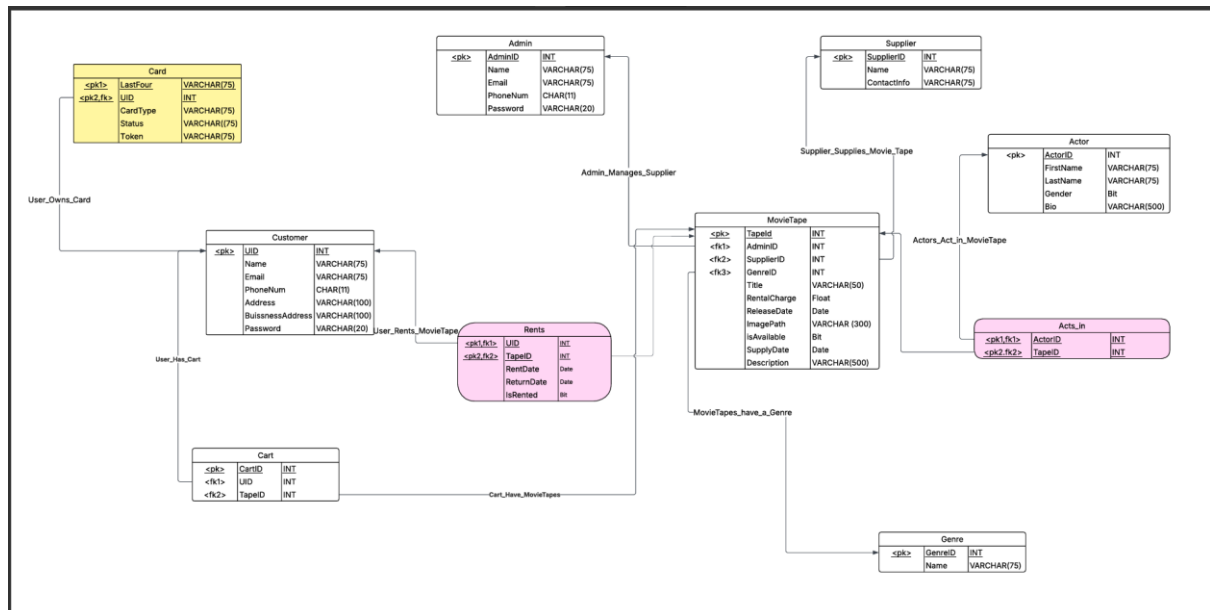
## Movie Rental Management System

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# Entity Relation Diagram



# Physical ERD



A Movie Rental Management System can include the following functionalities:

## **Functional Requirement #**

## **Requirement**

<b>FR1</b>	<ul style="list-style-type: none"><li>• <b>User Registration and Authentication</b><ul style="list-style-type: none"><li>○ Users and admins can sign up by filling in required details.</li><li>○ Registered users can log in to access their accounts.</li></ul></li></ul>
<b>FR2</b>	<ul style="list-style-type: none"><li>• <b>Movie Browsing</b><ul style="list-style-type: none"><li>○ Users can browse a comprehensive list of available movies.</li></ul></li></ul>
<b>FR3</b>	<ul style="list-style-type: none"><li>• <b>Genre-Based Navigation</b><ul style="list-style-type: none"><li>○ Users can browse movies by selecting specific genres.</li></ul></li></ul>
<b>FR4</b>	<ul style="list-style-type: none"><li>• <b>Movie Search and Filtering</b><ul style="list-style-type: none"><li>○ Users can search for movies using filters such as title, genre, release year or price.</li></ul></li></ul>
<b>FR5</b>	<ul style="list-style-type: none"><li>• <b>Admin Movie Management</b><ul style="list-style-type: none"><li>○ Admins can add new movies (tapes), edit existing entries, or remove them from the system.</li></ul></li></ul>
<b>FR6</b>	<ul style="list-style-type: none"><li>• <b>Cart Management</b><ul style="list-style-type: none"><li>○ Users can add one or more movies to their cart.</li></ul></li></ul>
<b>FR7</b>	<ul style="list-style-type: none"><li>• <b>Checkout and Payment</b><ul style="list-style-type: none"><li>○ Users can proceed to checkout and complete their payment securely via credit or debit card.</li></ul></li></ul>
<b>FR8</b>	<ul style="list-style-type: none"><li>• <b>User Profile Management</b><ul style="list-style-type: none"><li>○ Users can view and update their profile information.</li></ul></li></ul>
<b>FR9</b>	<ul style="list-style-type: none"><li>• <b>Rented Movies History</b><ul style="list-style-type: none"><li>○ Users can view a list of their previously rented movies within their profile.</li></ul></li></ul>

