## 1. Hotel Management System!

Hotel: Represent a hotel entity, including details like home, to conformally

Room: Represents more to the notel, with attributes like room type, availability, and police.

Books y: Handles rooms reconvation, booking status and related data

quest: containing quest details such as nome, contact info, and booking

Staff: Represents hotel staff members, including roles like housekeeping, occeptionist, etc.

Donoia: Manages tilling and payment details for a stay.

Service: Probudes services offered by the hotel (eg. laundary, room service)

## 2. Credit Card Proassing System:

Coodholder! Stores details of the credit card owner. (e.g. name, addres)

Coedit Card: Represents the actual credit card including number, expiration date and limits.

Transaction: Hardles individual and transactions, such as purselesse on refunds.

Rayment Galeway: PA Pacilitates Bank-merchant transactions.

Merchant: Represents merchants accepting payments.

Authorizations: Manages authorization checks for card transactions.

Prand Detection: Detects protential fraud.

Account statements: Generates montage usage statements.

Book: Reposesents books in Ulbrany, including the, author, availability Member: Stone detail about Umany menters ( eg vane, aubentip 20) Umarian: Manages library operations ( addig/ remaining books, wanging

Borrow Transaction: Tracks borrowly, due dates, network

Fine: Calculates and stores overdue fines for late book networks

ategory: organizes books by gense or category.

Reservation; Handles the seservation of toooks by members.

Author: Manages info of book's author's.

## 4. Stock Maintenance System:

Product: Reprosents each product in the Block, including name. description and price.

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stock: Tracks stock level and details like quantity available.

supplier: Contains details of supplier who provides the products.

Order: Manages order and inventory updates.

Customer: Aoses customer information and purchase history.

Invoice: Houdles billing and payment for stock purchase.

Wasehouse: Manages defails selated to storage locations and inventory Report: Generales sepost on stock level, 'sales and Hordering needs.

## 5. Passport Automation System

Applicant: Otores details about the passport applicant (e.g. rome, address, ID proof).

Parsport: Represents the prospert issued to applicants with validity

Application: Monageo the application process, welleding contrission, process, and status.

Notification Officer: Handles the verification of applicant documents.

Appointment: Manages appointment scheduling for interneous or verification.

Fee Payment: Handles payment details for the possport application.

Notification: Sends notifications to applicants regarding apprication state.

Renewal: Handles passport senevals and associated procedures.