Database Design

# Movie Streaming Database:

* Movies: Movie\_ID, Movie\_Title, Genre, Release\_Year, Duration
* Genres: Genre\_ID, Genre\_Name
* Users: User\_ID, User\_Name, Email, Subscription\_Type
* Watchlist: Watchlist\_ID, User\_ID, Movie\_ID
* Subscriptions: Subscription\_ID, User\_ID, Subscription\_Type, Start\_Date, End\_Date

# E-Learning Database:

* Courses: Course\_ID, Course\_Name, Instructor\_ID, Duration, Price
* Instructors: Instructor\_ID, Instructor\_Name, Email
* Students: Student\_ID, Student\_Name, Email
* Enrollments: Enrollment\_ID, Student\_ID, Course\_ID, Enrollment\_Date
* Assignments: Assignment\_ID, Course\_ID, Assignment\_Name, Due\_Date

# Hospital Management:

* Patients: Patient\_ID, Patient\_Name, Age, Gender, Contact\_Info
* Doctors: Doctor\_ID, Doctor\_Name, Specialization, Contact\_Info
* Appointments: Appointment\_ID, Patient\_ID, Doctor\_ID, Appointment\_Date, Status
* Medications: Medication\_ID, Patient\_ID, Medication\_Name, Dosage
* Bills: Bill\_ID, Patient\_ID, Amount, Billing\_Date, Payment\_Status

# Online Grocery Store:

* Products: Product\_ID, Product\_Name, Category\_ID, Price
* Categories: Category\_ID, Category\_Name
* Customers: Customer\_ID, Customer\_Name, Email, Address
* Orders: Order\_ID, Customer\_ID, Order\_Date, Total\_Amount, Order\_Status
* Delivery\_Slots: Slot\_ID, Order\_ID, Delivery\_Date, Delivery\_Time

# Wildlife Sanctuary:

* Animals: Animal\_ID, Animal\_Name, Species, Age, Health\_Status
* Habitats: Habitat\_ID, Habitat\_Name, Animal\_ID
* Caretakers: Caretaker\_ID, Caretaker\_Name, Contact\_Info
* Feeding\_Schedule: Feeding\_ID, Animal\_ID, Feeding\_Time, Feeding\_Type
* Visitors: Visitor\_ID, Visitor\_Name, Visit\_Date, Animal\_Interactions

# Event Management:

* Events: Event\_ID, Event\_Name, Event\_Date, Venue\_ID
* Venues: Venue\_ID, Venue\_Name, Location
* Attendees: Attendee\_ID, Event\_ID, Attendee\_Name, Contact\_Info
* Tickets: Ticket\_ID, Event\_ID, Attendee\_ID, Ticket\_Type, Price
* Sponsors: Sponsor\_ID, Event\_ID, Sponsor\_Name, Contribution\_Amount

# Fitness Tracker:

* Users: User\_ID, User\_Name, Email, Age, Weight, Height
* Workouts: Workout\_ID, User\_ID, Workout\_Type, Duration, Calories\_Burned
* Progress: Progress\_ID, User\_ID, Date, Weight, Steps
* Goals: Goal\_ID, User\_ID, Goal\_Type, Target\_Value
* Nutrition\_Plans: Plan\_ID, User\_ID, Meal\_Type, Ingredients

# Hotel Booking:

* Hotels: Hotel\_ID, Hotel\_Name, Location, Rating
* Rooms: Room\_ID, Hotel\_ID, Room\_Type, Price, Availability\_Status
* Guests: Guest\_ID, Guest\_Name, Contact\_Info
* Bookings: Booking\_ID, Hotel\_ID, Guest\_ID, Room\_ID, Booking\_Date
* Payments: Payment\_ID, Booking\_ID, Amount, Payment\_Date, Payment\_Method

# Library Management:

* Books: Book\_ID, Title, Author\_ID, Genre, ISBN
* Authors: Author\_ID, Author\_Name, Bio
* Members: Member\_ID, Member\_Name, Contact\_Info
* Borrowing: Borrow\_ID, Member\_ID, Book\_ID, Borrow\_Date, Return\_Date
* Fines: Fine\_ID, Member\_ID, Fine\_Amount, Paid\_Status

# Job Portal:

* Jobs: Job\_ID, Job\_Title, Company\_ID, Location, Salary
* Employers: Employer\_ID, Company\_Name, Contact\_Info
* Candidates: Candidate\_ID, Candidate\_Name, Email, Resume
* Applications: Application\_ID, Job\_ID, Candidate\_ID, Application\_Date, Status
* Interviews: Interview\_ID, Application\_ID, Interview\_Date, Status

# Gaming Platform:

* Games: Game\_ID, Game\_Title, Genre, Release\_Date, Platform
* Players: Player\_ID, Player\_Name, Email, Total\_Games\_Played
* Tournaments: Tournament\_ID, Game\_ID, Tournament\_Name, Prize\_Fund
* Achievements: Achievement\_ID, Player\_ID, Game\_ID, Achievement\_Type
* Rankings: Rank\_ID, Player\_ID, Game\_ID, Rank\_Position, Score

# Pet Adoption:

* Pets: Pet\_ID, Pet\_Name, Breed, Age, Health\_Status
* Breeds: Breed\_ID, Breed\_Name, Species
* Shelters: Shelter\_ID, Shelter\_Name, Location
* Adoption\_Requests: Request\_ID, Pet\_ID, User\_ID, Request\_Date, Status
* Donations: Donation\_ID, Shelter\_ID, Donor\_ID, Amount

# Smart Home Database:

* Devices: Device\_ID, Device\_Name, Device\_Type, Location, Status
* Rooms: Room\_ID, Room\_Name, House\_ID
* Users: User\_ID, User\_Name, Email
* Energy\_Usage: Usage\_ID, Device\_ID, Date, Energy\_Consumed
* Automation\_Logs: Log\_ID, Device\_ID, Action, Time\_Stamp

# Space Exploration:

* Missions: Mission\_ID, Mission\_Name, Start\_Date, End\_Date
* Astronauts: Astronaut\_ID, Astronaut\_Name, Mission\_ID, Role
* Spacecrafts: Spacecraft\_ID, Mission\_ID, Name, Type
* Experiments: Experiment\_ID, Mission\_ID, Experiment\_Name, Results
* Discoveries: Discovery\_ID, Mission\_ID, Discovery\_Name, Date

# Car Rental Service:

* Cars: Car\_ID, Car\_Model, Car\_Type, Price\_Per\_Day
* Models: Model\_ID, Car\_ID, Year, Specifications
* Customers: Customer\_ID, Customer\_Name, Contact\_Info
* Rentals: Rental\_ID, Customer\_ID, Car\_ID, Rental\_Date, Return\_Date
* Maintenance: Maintenance\_ID, Car\_ID, Service\_Date, Service\_Type

# Online Marketplace:

* Products: Product\_ID, Product\_Name, Seller\_ID, Price, Category\_ID
* Sellers: Seller\_ID, Seller\_Name, Contact\_Info
* Buyers: Buyer\_ID, Buyer\_Name, Contact\_Info
* Transactions: Transaction\_ID, Buyer\_ID, Product\_ID, Amount, Transaction\_Date
* Reviews: Review\_ID, Product\_ID, Buyer\_ID, Rating, Comment

# Educational Institution:

* Students: Student\_ID, Student\_Name, Class\_ID, Age, Gender
* Classes: Class\_ID, Class\_Name, Teacher\_ID
* Teachers: Teacher\_ID, Teacher\_Name, Subject, Contact\_Info
* Attendance: Attendance\_ID, Student\_ID, Class\_ID, Date, Status
* Results: Result\_ID, Student\_ID, Class\_ID, Marks

# Music Streaming:

* Tracks: Track\_ID, Track\_Title, Artist\_ID, Album\_ID, Genre
* Artists: Artist\_ID, Artist\_Name, Genre
* Albums: Album\_ID, Album\_Title, Artist\_ID, Release\_Date
* Playlists: Playlist\_ID, Playlist\_Name, User\_ID
* Listening\_History: History\_ID, User\_ID, Track\_ID, Listen\_Date

# Travel Agency:

* Destinations: Destination\_ID, Destination\_Name, Location
* Packages: Package\_ID, Package\_Name, Destination\_ID, Price
* Customers: Customer\_ID, Customer\_Name, Email, Contact\_Info
* Bookings: Booking\_ID, Customer\_ID, Package\_ID, Booking\_Date
* Feedback: Feedback\_ID, Booking\_ID, Customer\_ID, Rating, Comments

# Crowdfunding Platform:

* Campaigns: Campaign\_ID, Campaign\_Name, Creator\_ID, Start\_Date, End\_Date
* Creators: Creator\_ID, Creator\_Name, Contact\_Info
* Backers: Backer\_ID, Backer\_Name, Contact\_Info
* Contributions: Contribution\_ID, Campaign\_ID, Backer\_ID, Amount
* Rewards: Reward\_ID, Campaign\_ID, Backer\_ID, Reward\_Type