**Pet Adoption Platform**

Below is an Entity-Relationship (ER) diagram for a Pet Adoption Platform. This platform connects potential pet adopters with shelters, facilitates the adoption process, and manages various aspects related to pet care.

**Entities:**

1. **Pet**: Represents individual animals available for adoption. Contains attributes like pet ID, name, age, breed, and health status.
2. **Shelter**: Represents the organizations or facilities where pets are housed. Contains attributes like shelter ID, name, location, and contact information.
3. **Adopter**: Represents individuals interested in adopting pets. Contains attributes like adopter ID, name, address, and contact details.
4. **Application**: Represents adoption applications submitted by adopters. Contains attributes like application ID, adoption date, and status (pending, approved, rejected).
5. **Donation**: Represents financial contributions made to shelters or the adoption platform. Contains attributes like donation ID, amount, and date.
6. **Volunteer**: Represents individuals who volunteer at shelters. Contains attributes like volunteer ID, name, and availability.
7. **Breed**: Represents different pet breeds. Contains attributes like breed ID and description.
8. **Medical Record**: Stores health-related information for each pet. Contains attributes like record ID, vaccination history, and medical conditions.
9. **Event**: Represents adoption events organized by shelters. Contains attributes like event ID, date, location, and description.
10. **Review**: Stores feedback and reviews provided by adopters about their adoption experience. Contains attributes like review ID, rating, and comments.

**Relationships:**

1. **Pet-Shelter Relationship**: Each pet belongs to a specific shelter. (Many pets to one shelter)
2. **Pet-Adopter Relationship**: Each pet can be adopted by one adopter. (Many pets to one adopter)
3. **Adopter-Application Relationship**: Each adopter submits one or more adoption applications. (One adopter to many applications)
4. **Application-Pet Relationship**: Each application is associated with one pet. (One application to one pet)
5. **Donation-Shelter Relationship**: Each donation is made to a specific shelter. (Many donations to one shelter)
6. **Volunteer-Shelter Relationship**: Each volunteer works at a specific shelter. (Many volunteers to one shelter)
7. **Pet-Breed Relationship**: Each pet belongs to a specific breed. (Many pets to one breed)
8. **Pet-Medical Record Relationship**: Each pet has a corresponding medical record. (One pet to one medical record)
9. **Shelter-Event Relationship**: Each shelter organizes multiple events. (One shelter to many events)
10. **Adopter-Review Relationship**: Each adopter can provide reviews for their adoption experience. (One adopter to many reviews)

**ER DIAGRAM :**

