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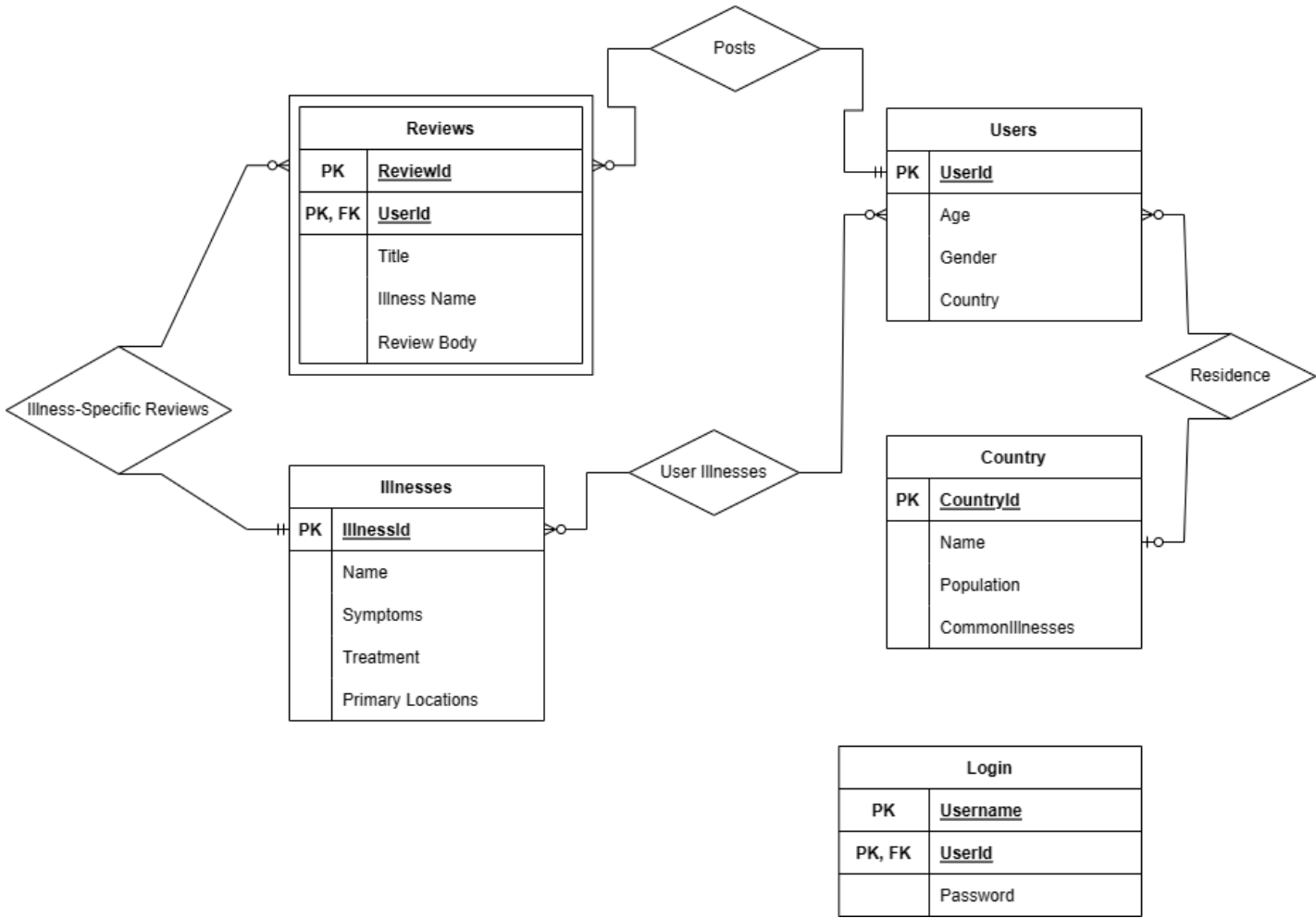
Team Name: Health Guide Team-111

Project 1 Stage 2

ER Diagram Assumptions:

- There is only 1 country per user

- Countries can have from 0 to many users

- A user may have 0 to many illnesses

- An illness may be affecting 0 to many users

- A user may write 0 to many reviews

- Each review is written by 1 user

- Each user has one set of login credentials

- Each set of login credentials pertains to one user

- Each user may post 0 to many reviews

- A review must be posted by a single user

- A illness may have 0 to many reviews about it

- A review is about a single illness

ER Diagram:

Posts

Reviews

PK	ReviewId
PK, FK	UserId
	Title
	Illness Name
	Review Body

Users

PK	UserId
	Age
	Gender
	Country

Illness-Specific Reviews

Residence

Illnesses

PK	IllnessId
	Name
	Symptoms
	Treatment
	Primary Locations

User Illnesses

Country

PK	CountryId
	Name
	Population
	CommonIllnesses

Login

PK	Username
PK, FK	UserId
	Password

Relational Schema:

Login (Username: VARCHAR(20) [PK], UserId: INT [FK to UserInfo.UserId], Password: VARCHAR(20))

Users (UserId: INT [PK], Age: INT, Gender: INT, Country VARCHAR(255))

Illnesses (IllnessId: INT [PK], Name: VARCHAR(255), Symptoms: VARCHAR(255), Treatments: VARCHAR(255), PrimaryLocation VARCHAR(255))

Reviews (ReviewId: INT [PK], UserId: INT [FK to Users.UserId], Title: VARCHAR(255), IllnessName: VARCHAR(255), Review Body: VARCHAR(4095))

CountryData (CountryId: INT [PK], Name: VARCHAR(255), Population: INT, CommonIllnesses: VARCHAR(1023))

Posts (UserId: INT [FK to User.UserId], ReviewId: INT [FK to Reviews.ReviewId])

User Illnesses (UserId: INT [FK to User.UserId], IllnessId: INT [FK to Illnesses.IllnessId])

Residence (UserId: INT [FK to User.UserId], CountryId: INT [FK to Country.CountryId])

Illness-Specific Reviews (ReviewId: INT [FK to Reviews.ReviewId], IllnessId: INT [FK to Illnesses.IllnessId])