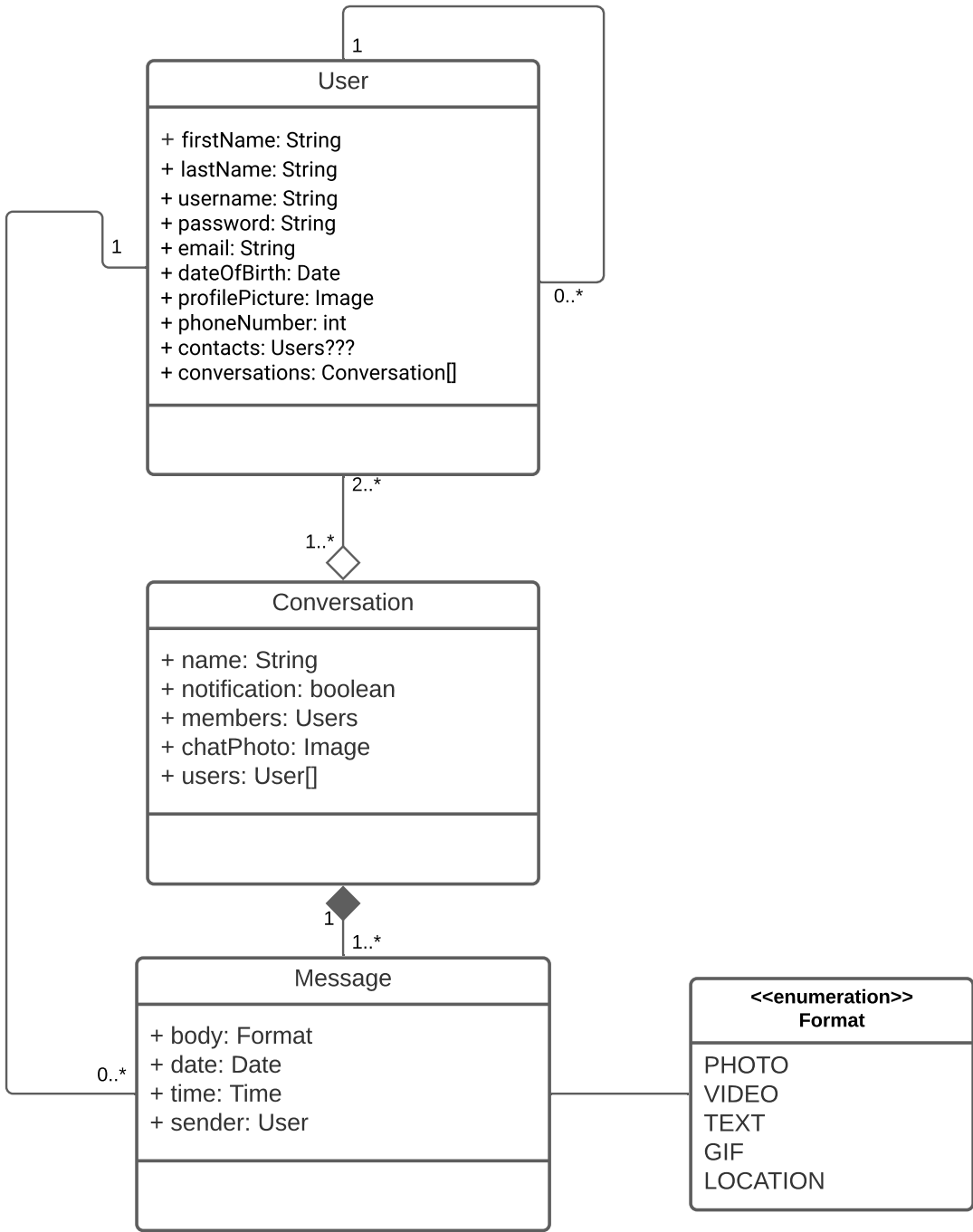# Database Final Project Data Model

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Domain:
Chat Apps

Reified Diagram

User

+ firstName: String
+ lastName: String
+ username: String
+ password: String
+ email: String
+ dateOfBirth: Date
+ profilePicture: Image
+ phoneNumber: int
+ contacts: Users???
+ conversations: Conversation[]

1

1

0..*

2..*

1..*

Conversation

+ name: String
+ notification: boolean
+ members: Users
+ chatPhoto: Image
+ users: User[]

1

1..*

0..*

Message

+ body: Format
+ date: Date
+ time: Time
+ sender: User

<<enumeration>>
Format

PHOTO
VIDEO
TEXT
GIF
LOCATION

User

+ firstName: String
+ lastName: String
+ username: String
+ password: String
+ email: String
+ dateOfBirth: Date
+ profilePicture: Image
+ phoneNumber: int

1

1

*

User2Conversation

+ user_id
+ conversation_id

*

1

Conversation

+ name: String
+ notification: boolean
+ chatPhoto: Image

1

1..*

0..*

Message

+ format: Format
+ body: String
+ created: DateTime

<<enumeration>>
Msg_Format

PHOTO
VIDEO
TEXT
GIF
LOCATION