MINUTEMATCH
GROUP 3
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MANAGER: ADITI BANSAL

Messages
- MessageID
- ConversationID
- SenderID
- HelperUsername
- Group
- Text
- Timestamp
- Seen

Group
- GroupID
- GroupName
- Categories
- Members
- Posts

PostRequests
- PostID
- UserID
- Type
- Groups
- Text
- Picture
- Comments
- Flagged
- HelpersList
- Status
- TimeStamp

Comments
- ConversationID
- PostID
- Messages
- Flagged

User
- UserID
- Username
- Email
- Password
- Ranking
- Verified
- Reviews
- InterestedCategories
- Groups
- LastActive
- Flagged

Admin
- AdminID
- Email
- Password
- FlaggedUsers
- FlaggedPosts
- ModerationActions

Notification
- NotificationID
- UserID
- Type
- Content
- Timestamp
- Read

User
- UserID
- Username
- Email
- Password
- Ranking (helpfulness score)
- Verified (boolean)
- Reviews (list of touples ratings w/ category)
- Groups
- Last_active (timestamp)
- Flagged (boolean)

+ Create Post(Type, Category, Text, Picture, Groupname)
+ Request Service()
+ JoinGroup(GroupID)
+ LeaveGroup(GroupID)
+ SendMessage(UserID, Text)
+ VerifyAccount()
+ ReportUser(UserID, Reasoning)

PostRequests
- PostID
- UserID (Foreign Key -> User)
- Type (Service or Request)
- Groups (Foreign Key -> User)
- Text
- Picture (optional)
- Comments (Forreign key -> Comment)
- Flagged (True/ False)
- HelpersList (If Request)
- Status(active, completed)
- Timestamp

+ AddComment(text)
+ AssignedHelper ()
+ MarkAsCompleted()
+ FlagPost(PostId, UserID, Text)
+ DeletePost()

Comments
- ConversationID (Primary Key)
- CostID (Foreign Request -> PostRequest)
   - Note: Links to a Post
- Messages (Foreign Request -> Message)
   - Note: collection of messages
- Flagged (True or False)

+ AddMessage(UserID, Text)
+ FlagConversation(UserID, Text)

Messages
- MessageID (Primary Key)
- SenderID (Foreign Key -> User)
- HelperUsername (Foreign Key -> User)
- Group (Foreign Key -> PostRequest)
- Text
- Timestamp
- Seen (True or False)

+ SendMessage(0
+ MarkAsRead()
+ ProvideRanking(Username, UserID, Text, category)

Group
- GroupID (Primary Key)
- GroupName
- Categoris (List)
- Members (Foreign Key -> Users)
- Posts (Foreign Key -> PostRequest)

+ AddMember(UserID, Email, Name)
+ RemoveMember(UserID, Email, Name)
+ ApproveGroupJoin(UserID)
+ CreatePost(PostID)
+ UpdateCategory()

Admin
- AdminID (Primary Key)
- Email
- Password
- Flagged Users (Foreign key -> User)
- Flagged Posts (Foreign key -> PostRequest)
- ModerationActions

+ FlagPost(PostID)
+ BanUser(UserID, Username, Email)
+ ReviewReports()
+ ViewModerationHistory(
+ MuteUser (UserID, Duration)

Notification
- NotificationID (Primary Key)
- UserID (foreign key -> User)
- Type (message, flag, update)
- Content
- Timestamp
- Read (True or False)

+ MarkAsRead()
+ SendNotification()