

MessagesERD

%%Base Entities

```
class Entity{
```

```
    +id: ObjectId
```

```
    +created_at: Date
```

```
    +updated_at: Date
```

```
}
```

%%User

```
class User{
```

```
    +username: String
```

```
    +first_name: String
```

```
    +last_name: String
```

```
    +email: String
```

```
    +password: String
```

```
    +profile_photo: String
```

```
    +friends: [ObjectId]
```

```
    +blocked_users: [ObjectId]
```

```
}
```

User --> Entity

%%FriendRequest

```
class FriendRequest{
```

```
    +request_id: ObjectId
```

```
    +sender_id: [ObjectId]
```

```
+receiver_id: [ObjectId]

+status: String

}
```

FriendRequest --> Entity

%%Base Messages

```
class Messages{

    +sender_id : [ObjectId]

    +receiver_id: [ObjectId]

    +content: String

    +timestamp: Date

    +chat_id: [ObjectId]

    +message_id: ObjectId

    +pinned: boolean

    +media: String

}
```

Messages --> Entity

%%BroadcastMessages

```
class BroadcastMessages{

    +comments: [String]

    +bookmarks: [ObjectId]

    +reposts: [ObjectId]

}
```

BroadcastMessages --> Messages

%% GroupMessage

```
class GroupMessage{
```

```
    +group_id: ObjectId
```

```
    +read_receipts: boolean
```

```
}
```

GroupMessage --> Messages

GroupMessage --> Group

%%Comment

```
class Comment{
```

```
    +post_id: ObjectId
```

```
    +user_id: ObjectId
```

```
    +message: String
```

```
}
```

Comment --> Entity

%%Group

```
class Group{
```

```
    +group_name: String
```

```
    +owner_id: ObjectId
```

```
    +members: [ObjectId]
```

```
    +banned_users: [ObjectId]
```

```
    +logo: String
```

```
}
```