Conversations

+ user: String
+ chats: List< Chats>

+ toJson(): Map<String, dynamic>
+ fromJson(): Conversations
+ create(): void --> db
+ read(): Conversations--> db
+ findSpecificChat(): Chat --> db
+ update(): void --> db

User

+ username: String
+ password: String
+ firstName: String
+ lastName: String
+ email: String
+ campus: String
+ address: Address
+ profilePicture: String

+ getFullName(): String
+ setFullName(): String
+ toJson(): Map<String, Dynamic>
+ fromJson(): User
+ read(): User --> db
+ update(): void --> db
+ deactivate(): void --> db

PhotoItem / Product

+ imageUrl: String
+ productName: String
+ price: String
+ description: String
+ pickUpAddress: String
+ category: String
+ condition: String
+ username: String
+ status: String

Firestore Create, Read, Update, and Delete methods are referenced in state changes, no stand alone methods used.

Chat

+ user: String
+ other: String
+ messages: List<Messages>

+ toJson(): Map<String, dynamic>
+ fromJson(): Chat
+ addMessage(): void

Message

+ text: String
+ sender: String
+ timestamp: DateTime

+ toJson(): Map<String, dynamic>
+ fromJson(): Message

Address

+ streetName: String
+ unitNo: String
+ city: String
+ state: String
+ zipcode: String

+ toString(): String
+ toJson(): Map<String, dynamic>
+ fromJson(): Address

Relationships:
- Conversations 1 — 1 User
- Conversations 1 — * Chat
- Chat 1 — * Message
- User 1 — * PhotoItem / Product
- User 1 — 1 Address