**Database: Payment\_Processor\_DB**

**Entities:**

**Users Collection:**

**Fields:**

\_id: Unique identifier

**username:** User's username (unique)

**email:** User's email address (unique)

**password:** User's hashed password

**balance:** User's account balance

**xrpl\_secret:** XRPL wallet secret (used in Part 2)

**Relationships:**

Each user document in the Users collection has a one-to-many relationship with their transactions (e.g., send\_payment transactions) stored in the same collection. These transactions are not explicitly defined in the structure but are represented as embedded documents within each user's document.

In Part 2, when an XRPL transaction occurs, the XRPL wallet secret is related to the user document as it is used for XRPL transactions. This secret is stored as a field within the user document.