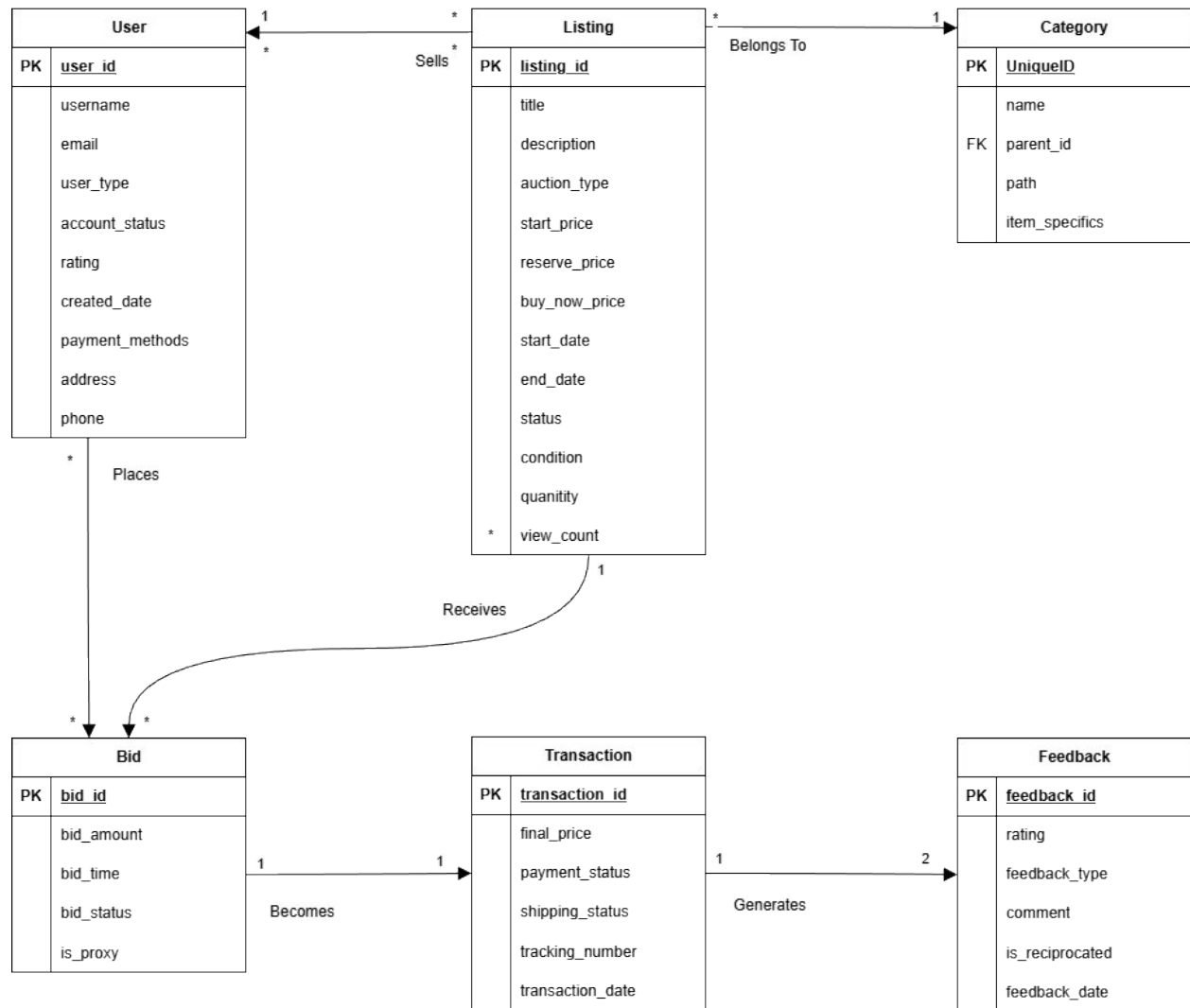


ERD Diagram



Cardinalities

User	1 → *	Listing	One User sells many Listings
User	* → *	Listing	Many Users watch many Listings
User	* → *	Bid	One User places many Bids
Listing	1 → *	Bid	One Listing receives many Bids
Bid	1 → 1	Transaction	One winning bid becomes one Transaction
Transaction	1 → 2	Feedback	One transaction generates two Feedback entries
Category	1 → *	Listing	One contains many Listings

Relational Schema

User(user_id, username, email, user_type, account_status, rating, created_date, payment_methods, address, phone)

Listing(listing_id, title, description, auction_type, start_price, reserve_price, buy_now_price, start_date, end_date, status, condition, quantity, view_count)

Category(category_id, name, parent_id(FK), path, item_specifics)

Bid(bid_id, bid_amount, bid_time, bid_status, is_proxy)

Transaction(transaction_id, final_price, payment_status, shipping_status, tracking_number, transaction_date)

Feedback(feedback_id, rating, feedback_type, comment, is_reciprocated, feedback_date)