

UFig-It-Out

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Startup 04: ER Diagrams

Entity Descriptions:

Conversation: Messaging service between two users, one buyer and one seller. Has an ID representing the conversation.

Message: Messages sent between users that collectively form a conversation. Each message contains an ID to represent it, message text, and a timestamp for when the message was sent.

User: Each person using the website has a user account. Each user has their own ID, unique username, password, email, rating and profile picture.

Rating: The rating of each user. The rating contains a rating, the ID of the rating to identify it and the timestamp for when the rating occurred.

Buy listing: What gets shown on the website when a user is trying to buy an object. The person will list what they want to buy with a desired price they want to buy the item.

Sell listing: What gets shown on the website when a user is trying to sell an object. The seller should provide pictures of what they are trying to sell and the price they are selling it at.

Category: What users can use to filter their searches in their website. For example, textbooks, iClickers, etc.

Description of pages using entities of databases:

***All pages use the user entity profile picture and username properties, as well as conversations and messages.**

Main: The Main page uses the user entity and the category entities. The user entity is used in the top right section of the page while the categories entity is used below the search bar in the main page.

Listing: Uses the User entity in the top right corner. Uses the item listing entity. The item listing entity properties that will be displayed include pictures of the object being sold, price, title, description, timestamp, and last updated. This also references the category and payment_type entities to show to the user.

NewListing: This page creates item_listing entities. It uses payment_type and category entities to display the options to the user.

Profile: The profile page will use the user and rating entity within the database. On this page, the username, email, average rating and profile picture of the user entity in the database will be displayed. Also uses buy/sell listing entities to show the listings of that user.

Search: The search page will use the category entities where the name property of the entity will be displayed on the screen to help users narrow down their search. The search page will also use the item listing entity. The properties of the item listing used/displayed will include the title, description, timestamp, and the username.

