



ER Diagram Write-Up

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Team Mango Members

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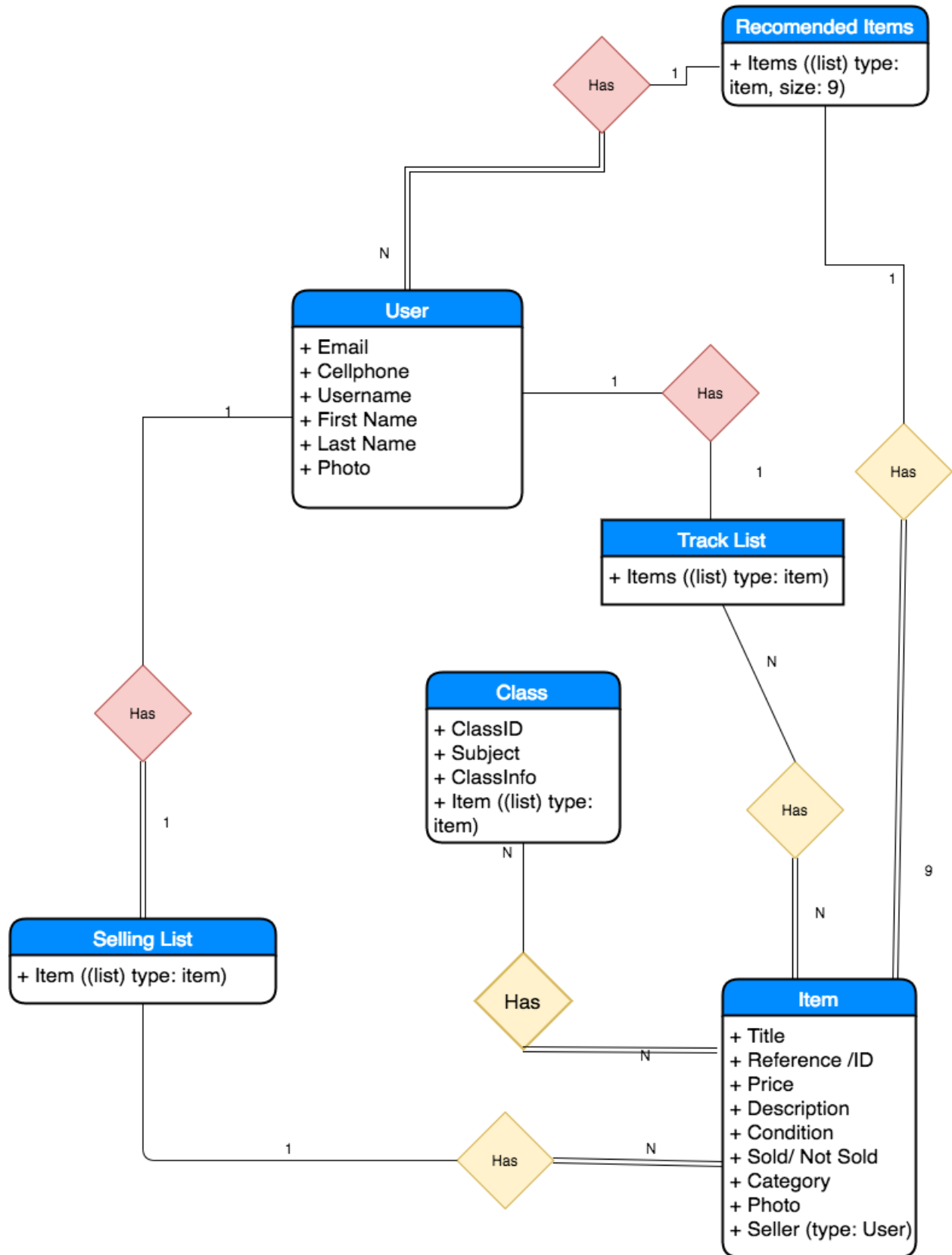
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Notation:

UThrift decided to use the same notation for the Entity-Relationship (ER) diagram as the notation from Workshop 7. This choice was made because Workshop 7 provides a clear example of how to construct a useful ER diagram, so it seemed an intelligent choice to follow its guidelines when constructing our own ER diagram.

Entities:

User: Each user represents a person who has an account with UThrift. The user entity contains information about the person, including their first name, last name, potentially a desired nickname, a photo of him/herself, and an email address and cellphone number for contact purposes.

Recommended Items: The recommended items entity is a block of data containing a list of nine items. Each user has access to the recommended items list which serves to suggest items to the user based on site trends determined by our application.

Selling List: Each selling list pertains to a specific user. This entity contains the list of items that the user currently has posted for sale.

Track List: Each track list entity also pertains to a specific user. This entity contains the list of items that the user has marked to be added to the list. The purpose of the list is to allow the user to keep an eye on and/or easily compare items.

Item: The item entity contains all the information about an individual item. This includes the item's title, reference ID, price, description, condition, category, a photo of the item, the seller of the item, and whether the item has already been sold or not. Item entities make up the contents of the recommended items, selling list, and tracking list.

Class: The class entity contains all information and items for a class. This includes the Class Info, Class ID, Class Subject and list of class specific items.

Pages use of Entities:

Homepage: This page uses the "recommended items" entity from the ER diagram to display recommended items for the user.

Itempage: The item page displays one item entity at the top along with its attributes. The item page also displays sets of item entities under "Recommended Items" and "More by Seller". "More by Seller" is a subset of the "Selling List" entity, and "Recommended Items" is a subset of the "Recommended Items" entity. These items only display the title, image, condition, and price. The "Contact Seller" button will display the User who is selling the item and their contact info. The "Add to Watching" button will append the item to the User's "Track List".

Classpage: The class page displays the ClassInfo of a class entity and items related to that class.

Profilepage: The profile page utilizes “User” (to view and update user related information), and “selling list” (to display selling items list related to the user).

Searchpage: The search page creates a temporary data structure “search results” (not stored in the database) which is a list of “items”. Then it displays the items as pagination allows (6 items displayed per page).

Submission Form: The submission form is for adding items to the database for selling. Thus it utilizes the “item” entity and the “User” entity (who the item being sold is associated with) from the ER diagram.