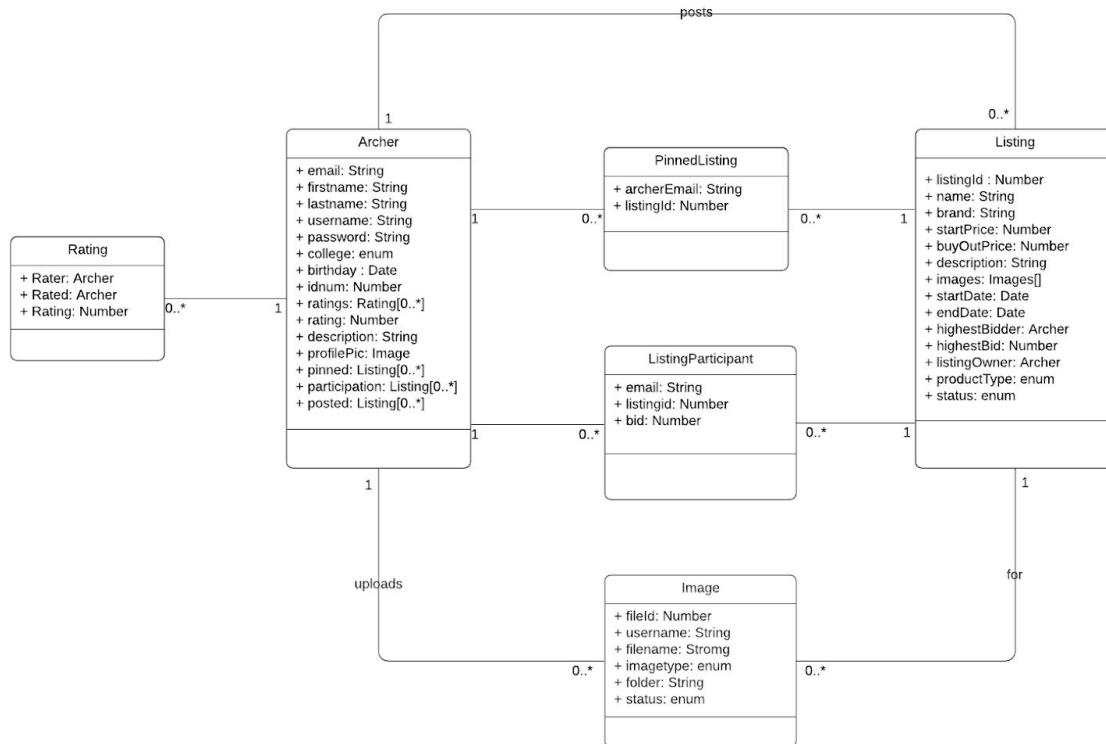Pelagio, Trisha Gail P.
Ramirez, Bryce Anthony V.
Tan, Jed Edriane L.
CCAPDEV (S12) - Group 5

Database Design

Figure 1. La Sale Database Design UML Diagram

Figure 1 presents the UML Diagram for the database design of the project. Primarily, this consists of 6 objects, which are necessary to implement the web application. Among which, it is important to consider that the image object both corresponds to the requirements of the Archer and Listing object. Images are used as profile pictures for the Archer, while these are used for product presentation in Listing. These are identified through the *imagetype* attribute which is of the type enum. Similarly, the listingid would represent the unique

identifier for a Listing. In the case that the image is for the profile picture, the listingid attribute would have a value of null.

Table 1. La Sale Object-Feature Correspondence

Feature	Archer	Rating	Image	Listing
Register	Create			
View user profile	Read (retrieve details of archer)	Create (possible)	Read (Profile picture of the user)	Read (active listings of the archer)
Edit user details	Edit	Read (Can be seen in edit user page)	Create (upload new profile picture)	
Log in	Read (If there is a user with the account)			
Log out				
Create listings	Read (whoever is making the listing)		Create (possible if photos are uploaded)	Create
Browse listing	Read		Read (Listing Image)	Read
Search and filter listings	Read		Read (Listing Image)	
Edit listings			Create (Add new images)	Edit
Delete listings			Delete	Delete
Pin listings	Read (User who pins)		Read (Saved listings)	Read
Track listing participation			Read (Active listings)	Read

Raise a bid	Read (Bidder)		Read (Listing Images)	Edit (If there is a new highest bidder)
Rate user	Create	Create (Add a rating for an archer)		
Message user	Create (Send through email)			
View Posted Listings				Read

Table 2. La Sale Object-Feature Correspondence

Feature	PinnedListing	ListingParticipant
View Pinned Listings	Read	
View Listing Participations		Read
Pin a Listing	Create	
Raise a Bid		Create
Delete Pinned Listings	Delete	