EC2

Client → Server → UserDB

Server → WishDB

UserDB:

UserID	Wishlists	sharedWishlists
0	[1,2,3]	[]
1	[4,5,6]	[2,3]

DynamoDB
WishDB:

WishlistID	Items
1	[(ItemID, name, link?, pic?, gifted)]

getUser wishlists (UserID) $\longrightarrow$ List < wishlists >

Don't display gifted status

getShared wishlists (UserID) $\longrightarrow$ List < wishlists >

addItemToList (WishlistID, UserID) $\longrightarrow$ Empty
removeItem

addWishlist (UserID) $\longrightarrow$ Empty
removeWishlist

markGifted (WishlistID, ItemID) $\longrightarrow$ Empty

ShareWishlist (WishlistID, List<UserID>) $\longrightarrow$ Empty

UnshareWishlist (WishlistID, UserID) $\longrightarrow$ Empty
unshareWishlistAll

Login w/ Google

MyList shared