UML Class Diagram

Item

- id: String
- title: String
- maker: String
- description: String
- owner_id: String
- status: String
- minimum_bid: Float
- borrower: User
- image_base64: String
- dimensions: Dimensions
image: Bitmap

ItemList

- items: List[Item]
- FILENAME: String

Bid

- bid_id: String
- item_id: String
- bid_amount: Float
- bidder_username: String

User

- id: String
- username: String
- email: String

Dimensions

- length: String
- width: String
- height: String

BidList

- bids: List[Bid]
- FILENAME: String

UserList

- users: List[User]
- FILENAME: String

owner & borrower

items

active bid

bidder

dimensions

bids

users