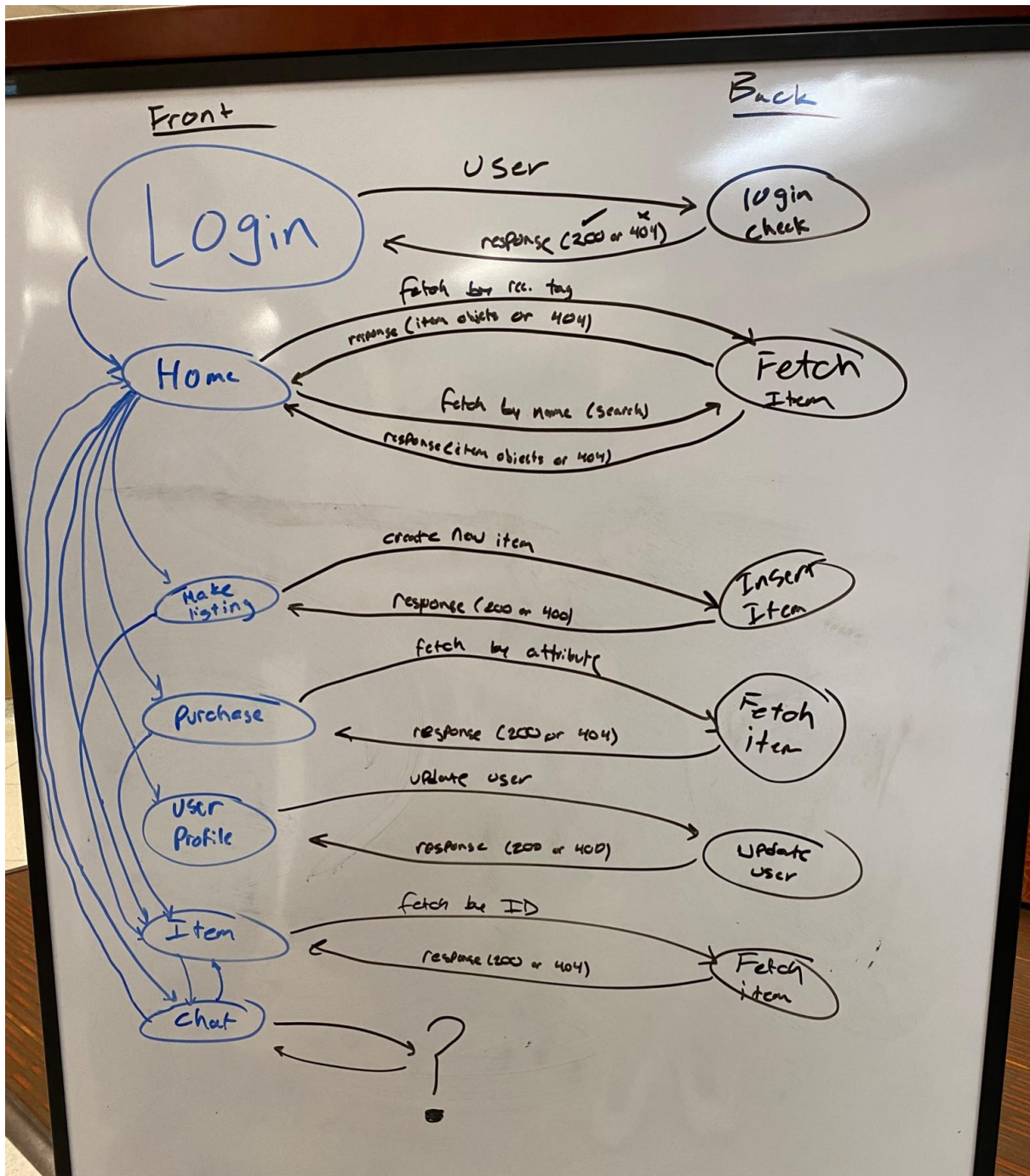


## Data Flow



<sup>1</sup> The chat page will mainly be driven by the API. Data flow interactions for that are TBD

## Data Models

### User:

```
{  
  Name: String  
  User_id: mongoose.ObjectId  
  Email: String  
  Password: String  
  Rating: Number  
  Num_ratings: Number  
  Profile_picture: String  
  Purchase_history: [mongoose.ObjectId]  
  Listing_history: [mongoose.ObjectId]  
}
```

### Item:

```
{  
  Name: String  
  Item_id: mongoose.ObjectId  
  Seller_id: mongoose.ObjectId  
  Description: String  
  Images: [String]  
  Tag: String  
}
```

## **Query List**

- Compare sent user to user gathered from DB (login)
- Fetch all items with a given tag
- Fetch all items with a given name (regex)
- Create new item
- Fetch all items with price between two values
- Fetch all items with seller rating above certain value
- Fetch user by ID
- Fetch item by ID
- Fetch all items
- Update user by ID
- Create new user