Software Metrics

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Cavemanomics

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Members:

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Client: Team 7

Item display

Internal Logical Files: none

External Interface Files:

- Items table: contains uploaded item data (item name, description, image, poster id)
- 5 (simple) * 1 = 5

External Inputs:

- user submits an item, which is uploaded to the database
- 4 (average) * 1 = 4

External Outputs:

- Display the items in the database to the users in the swipe deck
- Display message if a user has gone through all potential items
- 7 (complex) * 1 + 5 (average) * 1 = 12

External Inquiries: None

Total Complexity: 5 + 4 + 12 = 21

Notify user upon swipe

Internal Logical Files:

- Swipes table: store each swipe action with user id, item id, and direction (left/right = dislike/like)
- Notifications table: stores notifications to send to users – user id, message, seen
- 10 (simple) * 2 = 20

External Interface Files:

- None

External Inputs:

- User presses left/right on an item
- 3 (simple) * 1 = 3

Total Complexity: 20 + 3 + 7 + 4 = 34

External Outputs:

- Create and display an in-app notification when a user swipes right on an item – send a message to the poster saying that the swiped user liked their item.
    - Ex: "User Neha liked your item: Blue Sweater"
- 7 (complex) * 1 = 7

External Inquiries:

- Query the notifications table for a specific user to display them on their homepage
- 4 (simple) * 1 = 4