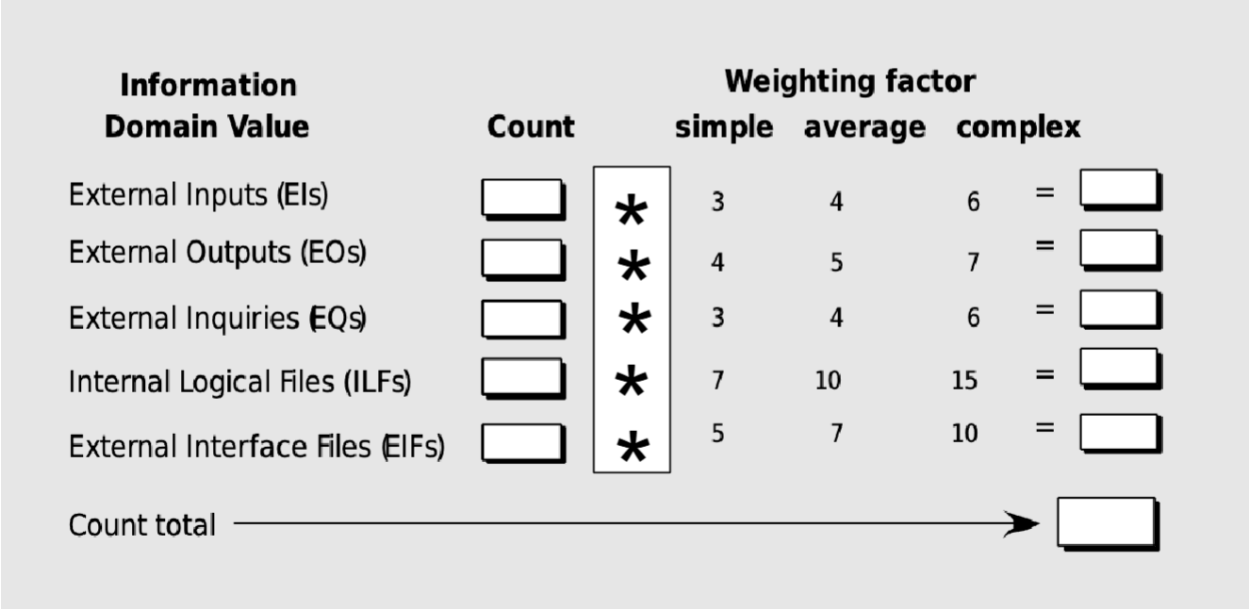
Minute Match: Steven Zhang

Group 3: Preston, Lawrence, Nathan, Steven

Manager: Aditi Bansal



Next Use Case for me

I will be implementing use case 3 of our project where a user will be able to search for a group

Internal Logical File:

- The category and posts tables in our application are classified as Internal Logical Files (ILF). The posts table contains all user-generated content, including:
  - The type of post (offer or request)
  - The category it belongs to (which hopefully will be implemented soon)
  - A text description
  - An image URL (this is the only way to store images)
  - A timestamp
  - (Optionally) a group association

  The category table stores the different types of services that can be associated with posts.
- Value = 2

External Interface File:

- In our current implementation, External Interface Files (EIFs) are not present. All data used by our application is created and stored internally. Data transfer between modules (e.g., the front end reading from the category or posts tables) does not qualify as an EIF. This is because the data is not stored by an external application; therefore, the EIF concept is not applicable here.

- Value = 0

External Input:

- The user makes input through a form that allows them to publish a new post. This includes selecting whether the post is an offer or request for assistance, selecting a category, completing a text description, optionally adding an image, and choosing a group where applicable. Upon submission, this information is validated and saved to the posts table.
- Users create new posts through a form where they provide the following information:
  - Whether the post is an offer or a request
  - A category selection
  - A text description
  - (Optionally) an image
  - (If applicable) a group association

  Upon submission, the application validates this data and saves it to the posts table.
- Value = 5

External Output:

- The main page dynamically displays all user-created posts. Each post shows:
  - A formatted timestamp
  - Text content
  - A category label
  - An image (if included)
  - Relevant group tags

  This information is retrieved from the posts table and presented graphically using dynamic HTML or front-end components.
- Value = 5

External Inquiry

- Users can search or filter posts by:
  - Category
  - Group
  - Keyword

  These searches retrieve relevant post data from the database, which is then displayed to the user. The content of the data is not modified.
- Value = 3

Total:
5*4 +5*5 + 3*3 + 2*10 + 0 = 74

T1 – Internal Logical File

- Effort: **1 day** *(reduced since tables are mostly complete)*
- Duration: **1 day**
- Dependencies: None

T2 – External Input (form UI + backend endpoint)

- Effort: **1-2 days** *(partial logic already exists)*
- Duration: **1-2 days**
- Dependencies: T1

T3 – External Output (display feed)

- Effort: **2 days**
- Duration: **2 days**
- Dependencies: T1, T2

T4 – External Inquiry (search/filter UI + route)

- Effort: **1-2 days**
- Duration: **1-2 days**
- Dependencies: T1

T5 – Basic Integration Testing

- Effort: **2 person-days**
- Duration: **2 days**
- Dependencies: T2, T3, T4