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Information Domain Value	Count		Weighting factor			
			simple	average	complex	
External Inputs (EIs)	☐	*	3	4	6	= ☐
External Outputs (EOs)	☐	*	4	5	7	= ☐
External Inquiries (EQs)	☐	*	3	4	6	= ☐
Internal Logical Files (ILFs)	☐	*	7	10	15	= ☐
External Interface Files (EIFs)	☐	*	5	7	10	= ☐
Count total						☐

I will be implementing Use Case 2 of our project where a user will be able to request help within a specific category or group. This feature will allow users to create help request posts with a user ID, group tagging, a name display, image upload, and filtering capabilities based on color-coded categories. Additional functionality includes duplicate post prevention, input sanitization to prevent malicious content, and a flag button for admin moderation.

Internal Logical File (ILF)
The posts and category tables in our application are classified as Internal Logical Files (ILFs). The posts table will store all user-generated help request content, including:

- The type of post (offer or request)

- The category it belongs to

- A text description

- An image URL

- A timestamp

- The user ID who made the request

- (Optionally) a group association

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

External Interface File (EIF)
In our current implementation, External Interface Files (EIFs) are not present. All data used by our application is created and stored internally.
Value = 0

External Input (EI)
Users create help requests through a form where they provide:
- The post type (offer or request)

- A category selection

- A text description

- (Optionally) an image

- (If applicable) a group association

Upon submission, the data is validated (including checking for duplicate posts and filtering for malicious content) and saved to the posts table.
Value = 5

External Output (EO)
The main feed dynamically displays all user-created requests. Each post shows:
- The text content

- The user's name

- A category label (color-coded)

- An image (if included)

- ● Relevant group tags

- ● A formatted timestamp

This information is retrieved from the posts table and presented through the front-end components.
Value = 5

External Inquiry (EQ)

Users can search for and filter requests for help based on:

- ● Category

- ● Group

- ● Keywords

These queries retrieve relevant post data from the database and display them to the user without modifying the data.

Value = 3

Task Breakdown & Effort Estimation

Task	Description	Effort	Duration	Dependencies
T1	Internal Logical File (Posts Table)	1 day	1 day	None
T2	External Input (Form UI + Backend Endpoint)	1-2 days	1-2 days	T1
T3	External Output (Display Help Request Feed)	2 days	2 days	T1, T2
T4	External Inquiry (Filtering/Search Logic)	1-2 days	1-2 days	T1
T5	Basic Integration Testing	2 person-days	2 days	T2, T3, T4