**Actors Prompt:**

An engineer is working on a set of user stories enclosed between triple back ticks.

``` As a Platform Administrator, I want to be able to Hide any dataset already added as Public, So that I can maintain Public/Hidden status for other users.

As a Platform Administrator, I want to have a view on all datasets published by all users, So that I can perform management actions on any dataset.

As a Platform Administrator, I want to be able to delete any dataset published, So that I can deal with takedown requests, or clean up test datasets.

As an API User, I want to be able to understand if a user is a Publisher, So that I can offer functionality based on Dataset Publisher privileges.

As an API User, I want to be able to understand if a user is an Administrator, So that I can offer functionality based on Platform Administration privileges.

As an API user, I want to be able to change the colors of the embedded visualisations in my own platform, So that I can customize the visualisations.```

He created an initial goal model with the intentional elements enclosed between triple quotes:

‘’’

- 'Actors':

-Platform Administrator

-Data Consuming user

-Data Publishing User

-API user

- 'Goals':

-delete operations conducted

-have operations conducted

-see operations conducted

-share operations conducted

-change operations conducted

-edit operations conducted

-delete any dataset

-have a view

-see textual descriptions

-a view state shared

-the colors changed

-edit the data source

'''

The created model is missing many intentional elements. Let us refine the goal model step by step. First, can you list all 'Actors' for the user stories enclosed between triple back ticks. An initial set of actors are added in the enclosed between triple quotes. You must also identify any missing and implicit actors. It is critical that you answer only as a bulleted list and do not include any explanation.

Platform Administrator

* Data Consuming user
* Data Publishing User
* API user
* Dataset Publisher

**Goals**

The initial goal model does not contain all the stakeholder’s objectives or goals that are conveyed in the user stories enclosed between triple back ticks. Identify any goals explicitly mentioned in the user stories enclosed between triple back ticks as well as any implicit goals. It is critical that you answer only as a bulleted list and do not include any explanation.

* Hide any dataset already added as Public
* Maintain Public/Hidden status for other users
* Have a view on all datasets published by all users
* Perform management actions on any dataset
* Delete any dataset published
* Deal with takedown requests
* Clean up test datasets
* Understand if a user is a Publisher
* Offer functionality based on Dataset Publisher privileges
* Understand if a user is an Administrator
* Offer functionality based on Platform Administration privileges
* Change the colors of the embedded visualisations in own platform
* Customize the visualisations

**IE Links for Goals**

Connect the goals from the previous step to the actors. It is critical that you answer only as a bulleted list that adheres to the following format.

<a actor>: <a hyphenated list of associated goals>

Do not include any explanation.

**Tasks for Goals**

Please provide a detailed breakdown of tasks for each of the following goals, created in the previous response. It is critical that you answer only as a bulleted list that adheres to the following format.

<a goal>: <a hyphenated list of tasks to achieve the goal>

Do not include any explanation.

Hide any dataset already added as Public:

* + Implement a functionality to toggle dataset visibility status
  + Update database records to reflect hidden status

Maintain Public/Hidden status for other users:

* + Provide an interface for Platform Administrator to manage dataset visibility

Have a view on all datasets published by all users:

* + Develop a dashboard displaying all datasets
  + Implement filters for easy dataset search

Perform management actions on any dataset:

* + Provide options to edit, delete, or hide datasets

Delete any dataset published:

* + Implement a delete functionality for datasets

Deal with takedown requests:

* + Provide a mechanism to handle requests to remove specific datasets

Clean up test datasets:

* + Implement a process to identify and remove test datasets

Understand if a user is a Publisher:

* + Implement a check for user's publishing privileges

Offer functionality based on Dataset Publisher privileges:

* + Provide features accessible only to Dataset Publishers

Understand if a user is an Administrator:

* + Implement a check for user's administrative privileges

Offer functionality based on Platform Administration privileges:

* + Provide features accessible only to Platform Administrators

Change the colors of the embedded visualisations in own platform:

* + Implement a color customization feature for visualizations

**IE Links for Tasks of Goals**

Connect the tasks of goals from the previous step to the actors. It is critical that you answer only as a bulleted list that adheres to the following format.

<a actor>: <a hyphenated list of associated tasks of goals>

Do not include any explanation.

**Soft Goals**

Next, there are no soft goals in the initial goal model. Please suggest soft goals. Note you must identify any soft goals explicitly mentioned in the user stories enclosed between triple back ticks as well as any implicit soft goals. It is critical that you answer only as a bulleted list and do not include any explanation.

* Maintain Public/Hidden status for other users
* Perform management actions on any dataset
* Deal with takedown requests
* Clean up test datasets
* Customize the visualisations

**IE Links for Soft Goals**

Connect the soft goals created in the previous step to the actors. It is critical that you answer only as a bulleted list that adheres to the following format.

<a actor>: <a hyphenated list of associated soft goals>

Do not include any explanation.

**Tasks for Soft Goals**

Next, the initial goal model misses different tasks that can be undertaken to achieve goals and soft goals.

Please provide a detailed breakdown of tasks for each soft goal created in the previous response. You can generate a variable number of tasks for soft goals. It is critical that you answer only as a bulleted list that adheres to the following format.

<a soft goal>: <list of tasks to achieve the soft goal>

Do not include any explanation.

Maintain Public/Hidden status for other users:

* + Develop a user interface for toggling dataset visibility
  + Implement user permission settings for managing dataset visibility

Perform management actions on any dataset:

* + Create options for editing dataset details
  + Implement functionality for deleting datasets
  + Develop a process for handling takedown requests

Deal with takedown requests:

* + Establish a mechanism for receiving and processing takedown requests
  + Implement a workflow for verifying takedown requests

Clean up test datasets:

* + Identify and flag test datasets
  + Develop a process for archiving or deleting test datasets

Customize the visualisations:

* + Implement a feature to adjust visualization colors
  + Provide customization options for users to personalize visualizations

**IE Links for Tasks of Soft Goals**

Connect the tasks of soft goals from the previous step to the actors. It is critical that you answer only as a bulleted list that adheres to the following format.

<a actor>: <a hyphenated list of associated tasks of soft goals>

Do not include any explanation.

**Contribution Links**

The Contributionrelationship statement describes how softgoals, task, believes, or links contribute to the satisficing of another intentional element. The five categories of Contribution Links are enclosed between triple back-ticks symbols.

``` MAKE : The contribution of the contributing element is positive and sufficient. BREAK : The contribution of the contributing element is negative and sufficient. HELP : The contribution of the contributing element is positive but not sufficient. HURT : The contribution of the contributing element is negative but not sufficient. EQUAL : There is equal contribution in both directions. ```

Please suggest different contribution links to link all the intentional elements such as, goals, soft goals, Tasks, and Resources that you identified. Note you must identify any contributions links that explicitly mentioned in the user stories enclosed between triple back ticks as well as any hidden contribution links. It is critical that you answer only as a bulleted list that adheres to the following format.

<Contribution Link Category>::<Source intentional elements> : <Destination intentional elements>

* MAKE::Platform Administrator : Hide any dataset already added as Public
* MAKE::Platform Administrator : Maintain Public/Hidden status for other users
* MAKE::Platform Administrator : Perform management actions on any dataset
* MAKE::Platform Administrator : Delete any dataset published
* HELP::Platform Administrator : Deal with takedown requests
* MAKE::API User : Understand if a user is a Publisher
* MAKE::API User : Understand if a user is an Administrator
* HELP::API User : Change the colors of the embedded visualisations in my own platform

**Dependencies Links**

The Dependency statement of GRL describes an intentional relationship between two actors, i.e., one actor (the Depender) depends on another actor (the Dependee) on something (the Dependum). Noite that the dependum is optional.

Please suggest different Dependency links to link all the intentional elements such as, goals, soft goals, Tasks, and Resources that you identified. Note you must identify any Dependency links that explicitly mentioned in the user stories enclosed between triple back ticks as well as any hidden Dependency links. It is critical that you answer only as a bulleted list that adheres to the following format.

<Depender> DEPENDES-ON <Dependee> FOR <Dependum>

* Platform Administrator DEPENDS-ON Data Publishing User FOR dataset publication information
* Platform Administrator DEPENDS-ON API User FOR user privilege information
* API User DEPENDS-ON Platform Administrator FOR platform customization capabilities

**Resources**

**Not used because Dependum identified in the previous prompt are the resources.**

A resource is an (physical or informational) entity, with which the main concern is whether it is available. The initial goal model with the intentional elements enclosed between triple quotes does not have resources. Identify resources that are explicitly mentioned in the user stories enclosed between triple back ticks as well as any implicit resources. It is critical that you answer only as a bulleted list and do not include any explanation.



**Decomposition Links**

DECOMPOSITON statement provides the ability to define what other elements need to be achieved or available in order for a task to perform. Note that only Task and Goal can be decomposed into goal, task, resource, and softgoal. A Task Decomposition Structure shows the essential components of a task, which include subtasks that must be performed, subgoals that must be achieved, resources that must be accessible, and softgoals that must be satisfied. Similarly, a Goal Decomposition Structure connects a goal with its sub-goals directly, which is a short hand form of one Goal Means\_Ends Structure and the related Task Decomposition Structure.  The three categories of Decomposition Links are enclosed between triple back-tick symbols.

``` AND DECOMPOSITON: The relations between the dependent elements are “AND”. Each of the sub-components are necessary. OR DECOMPOSITON : The relations between the contributing elements are “OR”. Any of the sub-components is sufficient. XOR DECOMPOSITON: The relations between the contributing elements are “XOR”. Either of the sub-components are necessary, but not both. ```

Please suggest different Decomposition links to link all the intentional elements such as, goals, soft goals, Tasks, and Resources that you identified. Note you must identify any Decomposition links that explicitly mentioned in the user stories enclosed between triple back ticks as well as any hidden Decomposition links. It is critical that you answer only as a bulleted list that adheres to the following format.

< Decomposition Type>::<Source intentional elements> : <Destination intentional elements>

* *AND DECOMPOSITION::Hide any dataset already added as Public : Maintain Public/Hidden status for other users*
* AND DECOMPOSITION::Perform management actions on any dataset : Delete any dataset published
* OR DECOMPOSITION::Understand if a user is a Publisher : Understand if a user is an Administrator

**Generate XML using Fewshot examples:**

Please create an XML that includes all the outputs that you generated so far. An example of the right output is shown between triple back ticks.

```

<?xml version='1.0' encoding='ISO-8859-1'?>

<grl-catalog catalog-name="URNspec" description="" author="vaish">

<element-def>

<intentional-element id="72" name="Car objects" description="" type="Ressource" decompositiontype="And"/>

<intentional-element id="80" name="Easy to use" description="" type="Softgoal" decompositiontype="And"/>

<intentional-element id="82" name="Realistic simulation" description="" type="Softgoal" decompositiontype="And"/>

<intentional-element id="84" name="Simple design" description="" type="Softgoal" decompositiontype="And"/>

<intentional-element id="88" name="Generate cars" description="" type="Goal" decompositiontype="And"/>

<intentional-element id="96" name="Create new cars" description="" type="Task" decompositiontype="And"/>

<intentional-element id="98" name="Keep same cars" description="" type="Task" decompositiontype="And"/>

</element-def>

<link-def>

<contribution name="Contribution105" description="" srcid="96" destid="82" contributiontype="Unknown" quantitativeContribution="0" correlation="false"/>

<contribution name="Contribution106" description="" srcid="96" destid="84" contributiontype="Unknown" quantitativeContribution="0" correlation="false"/>

<decomposition name="Decomposition111" description="" srcid="96" destid="88"/>

<decomposition name="Decomposition114" description="" srcid="98" destid="88"/>

<dependency name="Dependency116" description="" dependerid="88" dependeeid="72"/>

</link-def>

<actor-def>

<actor id="11" name="Traffic Simulator" description=""/>

</actor-def>

<actor-IE-link-def>

<actorContIE actor="11" ie="72"/>

<actorContIE actor="11" ie="80"/>

<actorContIE actor="11" ie="82"/>

<actorContIE actor="11" ie="84"/>

<actorContIE actor="11" ie="88"/>

<actorContIE actor="11" ie="96"/>

<actorContIE actor="11" ie="98"/>

</actor-IE-link-def>

</grl-catalog>

```

The generated XML must adhere to the below list of criteria.

1. No duplicate values for 'name' attribute in XML
2. No duplicate values for 'id' attribute? in XML
3. No empty string as a value for 'name' attribute
4. If you include Date attributes 'modified' and 'created', the values of 'modified' attribute must be greater than the value of 'created' attribute
5. The XML must not have an empty grl-catalog element
6. Do not add elements outside the section named 'grl-catalog'
7. In the XML, element named 'intentional-element' must have non-empty values for following attributes- name, id, type
8. XML must have section 'actor-def' consisting of actors
9. In the XML, each actor element has an 'id' attribute. Do not use the value of 'id' attribute of an actor element as the value for 'srcid' or 'destid' attributes within the section named 'link-def'
10. XML must have a section with title 'actor-IE-link-def'
11. Within the section with name 'actor-IE-link-def', no two elements with different value for 'actor' attribute, have same value for 'ie' attribute"
12. For an element named 'intentional-element', the value for the attribute 'type' of the tag must be one of the following values - Task, Goal, Softgoal, Resource, Belief?"
13. For an element named 'intentional-element', the value for the attribute 'decompositiontype' of the tag must be one of the following values - AND, OR, XOR
14. For an element with name 'contribution', the value for the attribute 'contributiontype' of the tag must be one of the following values- Make, Help, Break, Hurt
15. For an element with name 'contribution', the values for attributes- srcid and destid, in each tag must be different
16. Each element with name 'contribution', must have attribute 'srcid' and its value must not be empty string
17. Each element with name 'contribution' must have attribute 'destid' and its value must not be empty string
18. Each element with name 'decomposition' must have attribute 'srcid' and its value must not be empty string
19. Each element with name 'decomposition' must have attribute 'destid' and its value must not be empty string
20. Each element with name 'decomposition', must have different the values for attributes- 'srcid' and destid'