**Actors Prompt:**

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

``` As a Consumer, I want to view a publisher's profile, so that that I can see who is behind a particular package or to see what other packages they produce.

As a Consumer, I want to search among all data packages owned by a publisher, so that that I can easily find one data package amongst all the data packages by this publisher.

As an Owner, I want to edit my profile, so that that it is updated with new information.

As an Owner, I want to invite an existing user, so that the user can become a member of my publisher.

As an owner, I want to remove someone from membership in my publisher, so that they no longer have ability to publish or modify my data packages.

As an owner, I want to view all the people in my organization and what roles they have, so that that I can change these if I want.```

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

‘’’

- 'Actors':

-Admin

-Owner

-Consumer

- 'Goals':

-make operations conducted

-view operations conducted

-remove operations conducted

-set operations conducted

-have operations conducted

-see operations conducted

-search operations conducted

-invited operations conducted

-edit operations conducted

-make a user

-view all the people

-a user removed

-set key configuration parameters

-see key metrics

-have a pricing plan and billing system

-all data packages searched

-view a publisher’s profile

-an existing user invited

-edit my profile

'''

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.



**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.

* View a publisher's profile
* Search among all data packages owned by a publisher
* Edit my profile
* Invite an existing user
* Remove someone from membership in my publisher
* View all the people in my organization and their roles

**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.

* View a publisher's profile:
  + Access profile information
  + Display packages produced by the publisher
* Search among all data packages owned by a publisher:
  + Implement search functionality
  + Display search results
* Edit my profile:
  + Provide editing interface
  + Update profile information
  + Validate changes
* Invite an existing user:
  + Provide invitation feature
  + Send invitation to specified user
* Remove someone from membership in my publisher:
  + Access member list
  + Remove selected member
  + Notify removed member
* View all the people in my organization and their roles:
  + Generate organization roster
  + Display roles of each member

**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.

* Improve user experience in viewing publisher profiles
* Enhance search functionality for easier data package discovery
* Ensure profile editing is user-friendly and intuitive
* Facilitate seamless user invitation process
* Maintain efficient organization member management
* Enhance visibility of roles within the organization

**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.

* Improve user experience in viewing publisher profiles:
  + Redesign profile layout for better readability
  + Implement thumbnail previews for packages
  + Add sorting and filtering options for packages
* Enhance search functionality for easier data package discovery:
  + Implement advanced search filters
  + Provide autocomplete suggestions during search
  + Optimize search speed and accuracy
* Ensure profile editing is user-friendly and intuitive:
  + Streamline editing interface
  + Enable real-time preview of changes
  + Implement validation prompts for input fields
* Facilitate seamless user invitation process:
  + Create user-friendly invitation form
  + Allow for multiple invitation methods (email, link)
  + Provide status updates on invitations
* Maintain efficient organization member management:
  + Implement role-based access control
  + Allow for bulk actions on member list
  + Enable notifications for role changes
* Enhance visibility of roles within the organization:
  + Display roles prominently on organization dashboard
  + Provide detailed role descriptions
  + Allow members to request role changes securely

**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::View a publisher's profile : Improve user experience in viewing publisher profiles
* MAKE::Search among all data packages owned by a publisher : Enhance search functionality for easier data package discovery
* MAKE::Edit my profile : Ensure profile editing is user-friendly and intuitive
* HELP::Invite an existing user : Facilitate seamless user invitation process
* HELP::Remove someone from membership in my publisher : Maintain efficient organization member management
* MAKE::View all the people in my organization and their roles : Enhance visibility of roles within the organization

**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>

* View a publisher's profile DEPENDS-ON Admin FOR Accessing profile information
* Search among all data packages owned by a publisher DEPENDS-ON Consumer FOR Data package discovery
* Edit my profile DEPENDS-ON Owner FOR Updating profile information
* Invite an existing user DEPENDS-ON Owner FOR Inviting users to become members
* Remove someone from membership in my publisher DEPENDS-ON Owner FOR Managing membership status
* View all the people in my organization and their roles DEPENDS-ON Owner FOR Accessing organization roster and roles information

**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::View a publisher's profile : Access profile information AND Display packages produced by the publisher
* AND DECOMPOSITION::Search among all data packages owned by a publisher : Implement search functionality AND Display search results
* AND DECOMPOSITION::Edit my profile : Provide editing interface AND Update profile information AND Validate changes
* AND DECOMPOSITION::Invite an existing user : Provide invitation feature AND Send invitation to specified user
* AND DECOMPOSITION::Remove someone from membership in my publisher : Access member list AND Remove selected member AND Notify removed member
* AND DECOMPOSITION::View all the people in my organization and their roles : Generate organization roster AND Display roles of each member

**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>

```