**Actors Prompt:**

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

```As a camp administrator, I want to be able to add campers, so that I can keep track of each individual camper.

As a camp administrator, I want to be able to remove campers if they don't attend the camp anymore, so that I can keep the records organized.

As a camp administrator, I want to be able to keep camper records from previous years, so that the amount of work I need to do is lowered.

As a camp administrator, I want to be able to upload consent forms, so that campers or their parents can easily access the forms.

As a camp administrator, I want to be able to keep track of which camper submitted which forms, so that legal issues are avoided.

As a camp administrator, I want to be able to schedule activities for campers, so that camp workers can easily keep track of who is where at all times.```

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

‘’’

- 'Actors':

-camp administrator

- 'Goals':

-suspend operations conducted

-upload operations conducted

-assign operations conducted

-set operations conducted

-keep operations conducted

-a camper suspend

-set a reminders

-keep camper records

-upload consent forms

-assign different positions

'''

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.

camp administrator

* campers (missing)
* camp workers (missing)

**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.

Keep track of each individual camper

* Keep records organized
* Lower the amount of work needed to be done
* Easily access consent forms
* Avoid legal issues
* Easily keep track of campers' locations at all times

**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.

Keep track of each individual camper:

* + Add new camper information to the system
  + Update camper information as needed
  + Retrieve camper information when necessary

Keep records organized:

* + Implement a categorization system for camper records
  + Archive records of campers from previous years

Lower the amount of work needed to be done:

* + Automate record-keeping processes
  + Provide quick access to frequently needed information

Easily access consent forms:

* + Implement a digital consent form upload feature
  + Enable easy search and retrieval of consent forms

Avoid legal issues:

* + Implement a tracking system for submitted forms
  + Set up alerts for missing or incomplete forms

Easily keep track of campers' locations at all times:

* + Create a schedule management system for camper activities
  + Provide real-time updates on camper locations

**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 data integrity of camper records

* Ensure ease of access to consent forms
* Improve legal compliance through accurate record-keeping
* Enhance organizational efficiency for camp activities tracking

**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 data integrity of camper records:

* + Implement data validation checks for camper information
  + Regularly backup camper records to prevent data loss
  + Ensure secure access to camper records

Ensure ease of access to consent forms:

* + Develop a user-friendly interface for uploading and accessing consent forms
  + Implement search functionality for quick retrieval of consent forms
  + Provide easy sharing options for consent forms

Improve legal compliance through accurate record-keeping:

* + Implement audit trails for tracking changes to camper records
  + Ensure compliance with data protection regulations
  + Generate reports on consent form submissions for legal purposes

Enhance organizational efficiency for camp activities tracking:

* + Develop a scheduling system for camp activities
  + Provide notifications for activity changes or updates
  + Implement a tracking system for camper locations during activities

**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: Maintain data integrity of camper records : Keep track of each individual camper
* MAKE: Ensure ease of access to consent forms : Keep track of which camper submitted which forms
* HELP: Improve legal compliance through accurate record-keeping : Easily access consent forms
* HELP: Enhance organizational efficiency for camp activities tracking : Keep records organized
* HELP: Enhance organizational efficiency for camp activities tracking : Easily keep track of campers' locations at all times

**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>

* 'Maintain data integrity of camper records' DEPENDS-ON 'Retrieve camper information when necessary' FOR 'accurate record-keeping'
* 'Ensure ease of access to consent forms' DEPENDS-ON 'Implement search functionality for quick retrieval of consent forms' FOR 'easy sharing options'
* 'Improve legal compliance through accurate record-keeping' DEPENDS-ON 'Generate reports on consent form submissions for legal purposes' FOR 'compliance with data protection regulations'
* 'Enhance organizational efficiency for camp activities tracking' DEPENDS-ON 'Develop a scheduling system for camp activities' FOR 'notifications for activity changes or updates'

**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::Maintain data integrity of camper records : Add new camper information to the system, Update camper information as needed, Retrieve camper information when necessary
* AND DECOMPOSITION::Ensure ease of access to consent forms : Develop a user-friendly interface for uploading and accessing consent forms, Implement search functionality for quick retrieval of consent forms, Provide easy sharing options for consent forms
* AND DECOMPOSITION::Improve legal compliance through accurate record-keeping : Implement audit trails for tracking changes to camper records, Ensure compliance with data protection regulations, Generate reports on consent form submissions for legal purposes
* AND DECOMPOSITION::Enhance organizational efficiency for camp activities tracking : Develop a scheduling system for camp activities, Provide notifications for activity changes or updates, Implement a tracking system for camper locations during activities

**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.

• No duplicate values for 'name' attribute in XML

• No duplicate values for 'id' attribute? in XML

• No empty string as a value for 'name' attribute

• If you include Date attributes 'modified' and 'created', the values of 'modified' attribute must be greater than the value of 'created' attribute

• The XML must not have an empty grl-catalog element

• Do not add elements outside the section named 'grl-catalog'

• In the XML, element named 'intentional-element' must have non-empty values for following attributes- name, id, type

• XML must have section 'actor-def' consisting of actors

• 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'

• XML must have a section with title 'actor-IE-link-def'

• Within the section with name 'actor-IE-link-def', no two elements with different value for 'actor' attribute, have same value for 'ie' attribute"

• 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?"

• 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

• 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

• For an element with name 'contribution', the values for attributes- srcid and destid, in each tag must be different

• Each element with name 'contribution', must have attribute 'srcid' and its value must not be empty string

• Each element with name 'contribution' must have attribute 'destid' and its value must not be empty string

• Each element with name 'decomposition' must have attribute 'srcid' and its value must not be empty string

• Each element with name 'decomposition' must have attribute 'destid' and its value must not be empty string

• Each element with name 'decomposition', must have different the values for attributes- 'srcid' and destid'