**Actors Prompt:**

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

``` As a trainer, I want to create a new course or event, so that site visitors can see it.

As a trainer, I want to create an Other Course or Event I am charged a listing fee for that activity, so that I don't list events I don't really intend to hold.

As a trainer, I want to update one of my existing courses or events, so that it reflects accurate information.

As a trainer, I want to delete one of my courses or events, so that it's no longer listed if I cancel for some reason.

As a trainer, I want to copy one of my courses or events, so that I can create a new one.

As a trainer, I want to see the upcoming courses are what I want visitors to notice, so that they register and there's a benefit to my membership. ```

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

‘’’

- 'Actors':

-trainer

- 'Goals':

-show operations conducted

-notified operations conducted

-create operations conducted

-load operations conducted

-show my rating

-notified the results

-an Excel file loaded

-create an Other course

-create a new course

'''

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.

Trainer

* Site visitors

**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.

* Create a new course or event
* Charge a listing fee for listing an activity
* Update existing courses or events
* Delete courses or events
* Copy courses or events
* Display upcoming courses to visitors
* Encourage visitor registration
* Benefit membership through registration

**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.

Create a new course or event:

* + Design course content
  + Set course schedule
  + Define course objectives
  + Specify course requirements
  + Publish course details on platform

Charge a listing fee for listing an activity:

* + Define listing fee structure
  + Implement payment processing system
  + Notify trainer of listing fee charges

Update existing courses or events:

* + Edit course details
  + Revise course content
  + Update course schedule
  + Notify visitors of changes made

Delete courses or events:

* + Confirm deletion request
  + Remove course/event from listings
  + Notify visitors of course/event removal

Copy courses or events:

* + Select course/event to copy
  + Duplicate course/event details
  + Publish copied course/event on platform

Display upcoming courses to visitors:

* + Retrieve upcoming course data
  + Design user interface for displaying courses
  + Implement filtering options for visitors

Encourage visitor registration:

* + Highlight benefits of registration
  + Create easy registration process
  + Send registration reminders to visitors

Benefit membership through registration:

* + Offer exclusive access to certain courses/events
  + Provide discounts for members
  + Recognize member status on platform

**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.

* Ensure accurate event/course information is displayed
* Maintain data integrity of course/event listings
* Enhance user experience on the platform
* Increase visitor engagement with course/event listings
* Improve trainer satisfaction with platform functionality

**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.

Ensure accurate event/course information is displayed:

* + Implement data validation checks
  + Regularly update course/event details
  + Conduct quality assurance checks on information accuracy

Maintain data integrity of course/event listings:

* + Implement data encryption measures
  + Backup course/event data regularly
  + Monitor data access permissions

Enhance user experience on the platform:

* + Improve platform navigation
  + Optimize website performance
  + Implement user-friendly interface design

Increase visitor engagement with course/event listings:

* + Implement interactive features on listings
  + Provide social sharing options for events
  + Personalize event recommendations for visitors

Improve trainer satisfaction with platform functionality:

* + Gather feedback from trainers
  + Implement requested features by trainers
  + Provide training on platform usage

**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>

HELP: Improve trainer satisfaction with platform functionality : Enhance user experience on the platform

* MAKE: Enhance user experience on the platform : Increase visitor engagement with course/event listings
* HELP: Increase visitor engagement with course/event listings : Benefit membership through registration
* MAKE: Increase visitor engagement with course/event listings : Encourage visitor registration
* HELP: Improve trainer satisfaction with platform functionality : Benefit membership through registration

**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>

* Trainer DEPENDS-ON Platform FOR Displaying accurate event/course information
* Site visitors DEPENDS-ON Platform FOR Registering for courses/events
* Trainer DEPENDS-ON Platform FOR Maintaining data integrity of course/event listings
* Trainer DEPENDS-ON Platform FOR Enhancing user experience on the platform
* Site visitors DEPENDS-ON Platform FOR Accessing course/event 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::Create a new course or event : Design course content, Set course schedule, Define course objectives, Specify course requirements, Publish course details on platform

* AND DECOMPOSITION::Charge a listing fee for listing an activity : Define listing fee structure, Implement payment processing system, Notify trainer of listing fee charges
* AND DECOMPOSITION::Update existing courses or events : Edit course details, Revise course content, Update course schedule, Notify visitors of changes made
* AND DECOMPOSITION::Delete courses or events : Confirm deletion request, Remove course/event from listings, Notify visitors of course/event removal
* AND DECOMPOSITION::Copy courses or events : Select course/event to copy, Duplicate course/event details, Publish copied course/event on platform
* AND DECOMPOSITION::Display upcoming courses to visitors : Retrieve upcoming course data, Design user interface for displaying courses, Implement filtering options for visitors
* AND DECOMPOSITION::Encourage visitor registration : Highlight benefits of registration, Create easy registration process, Send registration reminders to visitors
* AND DECOMPOSITION::Benefit membership through registration : Offer exclusive access to certain courses/events, Provide discounts for members, Recognize member status on platform

**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'