**Actors Prompt:**

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

``` As a system administrator, I want to run a script that installs the Neurohub node onto a virgin Ubuntu operating system.

As a system administrator, I want to run a script that tests to see if a Neurohub installation is functioning correctly.

As a release engineer, I want to call a script to execute acceptance tests against a Neurohub installation and report back the results.

As a systems administrator, I want to install Neurohub dependencies into an Ubuntu 10.04 LTS machine using the normal Ubuntu package management tools.

As a researcher, I want to create a log book page for an experiment and attach a file to this page.

As a researcher, I want to create a log book page for an experiment and attach a directory that contains multiple files.```

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

‘’’

- 'Actors':

-system administrator

-release engineer

-researcher

-investigator

-user

-MRI operator

-lab administrator

- 'Goals':

-run operations conducted

-call operations conducted

-view operations conducted

-navigate operations conducted

-install operations conducted

-create operations conducted

-record operations conducted

-theme operations conducted

-run a script

-a script called

-view the acceptance test results

-navigate log books

-install Neurohub dependencies

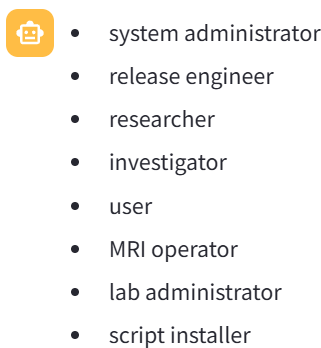
-create a log book page

-the responses recorded

-theme the Web interface graphics/colours

'''

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.

* install Neurohub node onto a virgin Ubuntu operating system
* test if Neurohub installation is functioning correctly
* execute acceptance tests against Neurohub installation and report results
* install Neurohub dependencies into an Ubuntu 10.04 LTS machine using Ubuntu package management tools
* create a log book page for an experiment
* attach a file to a log book page
* attach a directory containing multiple files to a log book page

**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.

* install Neurohub node onto a virgin Ubuntu operating system:
  + run script to install Neurohub node
* test if Neurohub installation is functioning correctly:
  + run script to test Neurohub installation
* execute acceptance tests against Neurohub installation and report results:
  + call script to execute acceptance tests
  + report acceptance test results
* install Neurohub dependencies into an Ubuntu 10.04 LTS machine using Ubuntu package management tools:
  + run script to install Neurohub dependencies
* create a log book page for an experiment:
  + create log book page
* attach a file to a log book page:
  + attach file to log book page
* attach a directory containing multiple files to a log book page:
  + attach directory containing multiple files to log book page

**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 successful installation of Neurohub node
* Verify proper functioning of Neurohub installation
* Achieve accurate execution and reporting of acceptance tests
* Maintain system stability during Neurohub dependencies installation
* Ensure seamless attachment of files to log book pages

**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 successful installation of Neurohub node:
  + Download the Neurohub installation script
  + Execute the installation script on the Ubuntu operating system
  + Verify successful installation by checking system logs and outputs
* Verify proper functioning of Neurohub installation:
  + Run test scripts provided by Neurohub to check functionality
  + Monitor system resources during the test to ensure smooth functioning
  + Document any errors or issues encountered for troubleshooting
* Achieve accurate execution and reporting of acceptance tests:
  + Develop acceptance test scripts for Neurohub functionalities
  + Execute acceptance tests against different scenarios
  + Generate detailed reports with test results and any deviations found
* Maintain system stability during Neurohub dependencies installation:
  + Create a backup of system configuration before installing dependencies
  + Ensure compatibility of Neurohub dependencies with the Ubuntu 10.04 LTS system
  + Monitor system resources during installation to prevent any performance issues
* Ensure seamless attachment of files to log book pages:
  + Develop a user-friendly interface to upload files to log book pages
  + Validate file formats and sizes during attachment process
  + Implement version control for attached files to track changes and updates

**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::install Neurohub node onto a virgin Ubuntu operating system : Ensure successful installation of Neurohub node
* MAKE::test if Neurohub installation is functioning correctly : Verify proper functioning of Neurohub installation
* HELP::execute acceptance tests against Neurohub installation and report results : Achieve accurate execution and reporting of acceptance tests
* MAKE::install Neurohub dependencies into an Ubuntu 10.04 LTS machine using Ubuntu package management tools : Maintain system stability during Neurohub dependencies installation
* HELP::create a log book page for an experiment : Ensure seamless attachment of files to log book pages

**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>

* system administrator DEPENDS-ON script installer FOR Neurohub node installation
* system administrator DEPENDS-ON script installer FOR testing Neurohub installation
* release engineer DEPENDS-ON system administrator FOR calling script to execute acceptance tests
* systems administrator DEPENDS-ON Ubuntu package management tools FOR Neurohub dependencies installation
* researcher DEPENDS-ON system administrator FOR creating a log book page
* researcher DEPENDS-ON system administrator FOR attaching files to a log book page

**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::install Neurohub node onto a virgin Ubuntu operating system : run script to install Neurohub node
* AND DECOMPOSITION::test if Neurohub installation is functioning correctly : run script to test Neurohub installation
* AND DECOMPOSITION::execute acceptance tests against Neurohub installation and report results : call script to execute acceptance tests, report acceptance test results
* AND DECOMPOSITION::install Neurohub dependencies into an Ubuntu 10.04 LTS machine using Ubuntu package management tools : run script to install Neurohub dependencies
* AND DECOMPOSITION::create a log book page for an experiment : create log book page
* AND DECOMPOSITION::attach a file to a log book page : attach file to log book page
* AND DECOMPOSITION::attach a directory containing multiple files to a log book page : attach directory containing multiple files to log book page

**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>

```