Monnig Meteorite Gallery + Native Earth Native Sky

NaMe Interactive Map Learning Tool
Use Cases

Version 1.0

Revision History

Date	Version	Description	Author
19/09/2022	1.0	Use cases for website.	Erika Rebollo Diaz, Alberto Gaucin, Ayomide Ayowole-Obi, Robby Dai
09/04/2023	1.1	Updated use cases	Ayomide Ayowole-Obi

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Use Cases

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Use Case : User views information on meteorite

UC ID and Name:	UC-01: View information on meteorite			
Created By:	Ayomide Ayowole-Obi		Date Created:	30/9/22
Primary Actor:	User		Secondary Actors:	
Trigger:	The User indicates to view the details of a meteorite.			
Description:	The User wants to view the details of a meteorite, so that she can learn about the material.			
Preconditions:	PRE-1. The User is logged into the System. PRE-2. The User has the "view" privilege. See Business Rules of this use case.			
Postconditions:	POST-1. The details of the specified meteorite are displayed to the User.			
Main Success Scenario:	1. The User indicates to view the details of a meteorite. 2. The User finds a list of meteorites through <u>UC-01: view meteorites on map</u>. 3. The User views the list and chooses to view the details of one specific meteorite. 4. The System retrieves and displays the details of this meteorite according to "Details" defined in Associated Information and "Security/access concerns" defined in Business Rules of this use case. 5. The User views the details of this meteorite. 6. Use case ends.			
Extensions:	5a. The user choose to visit outside resources 5a1. The user request to access to outside resources 5a2. The user access to outside resources			
Priority:	High			
Frequency of Use:	Approximately *** user, average of *** usages per week.			
Business Rules:	Security/access concerns ● TBD			
Associated Information:	Details:<table><tr><th>Property name</th><th>Data type</th><th>Editability</th><th>Security/access concerns</th><th>Reference to glossary</th></tr><tr><td>Meteorite Name</td><td>String</td><td>Not editable</td><td></td><td></td></tr><tr><td>Description</td><td>String</td><td>Not editable</td><td></td><td></td></tr><tr><td>PDF links</td><td>String</td><td>Not editable</td><td></td><td></td></tr></table>			

Related Use Cases:	UC: Find meteorites
	The User can perform other actions after this use case. After this use case succeeds, the User may take any of the following actions on this *<whatever>*:
	
	    ● UC: Change a *<whatever>*
	
	    ● UC: Delete a *<whatever>*
	
	    ● UC: View a *<whatever2>*
	
	    ● UC: View a *<whatever3>*			

Assumptions:				
Open Issues:				

Use Case : User views meteorite map

UC ID and Name:	UC-02: View a meteorite on map
Created By:	Ayomide Ayowole-Obi Date Created: 30/9/22
Primary Actor:	User Secondary Actors:
Trigger:	The User indicates to view the details of a map.
Description:	The User wants to view the details of a map, so that she can get a better idea of a region or other states.
Preconditions:	PRE-1. The User is logged into the System. PRE-2. The User has the "view" privilege. See Business Rules of this use case.
Postconditions:	POST-1. The details of the specified region are displayed to the User.
Main Success Scenario:	1. The User indicates to view the details of a region. 2. The User finds a list of regions through UC-01: Find <*whatever*>s. 3. The User views the list and chooses to view the details of one specific region. 4. The System retrieves and displays the details of this region according to "Details" defined in Associated Information and "Security/access concerns" defined in Business Rules of this use case. 5. The User views the details of this region. 6. Use case ends.
Extensions:	
Priority:	High
Frequency of Use:	Approximately *** user, average of *** usages per week.
Business Rules:	Security/access concerns ● TBD
Associated Information:	Details: <table><tr><th>Property name</th><th>Data type</th><th>Editability</th><th>Security/access concerns</th><th>Reference to glossary</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>
Related Use Cases:	●
Assumptions:	
Open Issues:	

Use Case : User requests to filter meteorites by region

UC ID and Name:	UC-03: User requests to filter meteorites by region		
Created By:	Erika Rebollo DIaz	Date Created:	10/02/2022
Primary Actor:	User (General)	Secondary Actors:	System, Map
Trigger:	The User indicates to find meteorites by region		
Description:	Matching meteorites are returned and displayed to the User. It is possible that the list is empty.		
Preconditions:	PRE-1. The user successfully accessed the map.		
Postconditions:	POST-1. The map showed the requested region.		
Main Success Scenario:	1. The User indicates to find meteorites. 2. The System asks the User to enter search values according to "Search criteria" defined in Associated Information of this use case. 3. The User chooses one search value and confirms she has finished entering. 4. The System finds all meteorites that match the provided search criteria values. 5. The System displays matching meteorites according to the "Search results display strategy" and "Sort criteria" defined in Associated Information of this use case. 6. Use case ends.		

Extensions:	**4a. No matching is found**
	    4a1. The System alerts the User that no matching meteorite is found.
	    4a2. The User terminates the use case or returns to step 2 of normal flow.
	5a. The User chooses to select a different set of properties to display matching meteorites
	    5a1. The System displays the current "Search results display strategy."
	    5a2. The User enters a customized "Search results display strategy," confirms she has finished entering, and returns to step 5 of normal flow.		

Priority:	High		
Frequency of Use:	Approximately ***% of users, as tracked by the system through use.		
Business Rules:			

Associated Information:	Search results display strategy (specify which properties to display for each matching meteorites):
	
	    ● TBD
	Sort criteria:
	
	    ● TBD		

Related Use Cases:	The User can perform other actions after this use case. After this use case succeeds, the User may select any of the displayed meteorites and take any of the following actions on the selected item:
	
	    ● UC-02: User views information on meteorite
	
	    ● UC-05: Request to add meteorite information
	
	    ● UC-09: Admin can edit meteorite information in database
	
	    ● UC-06: Admin deletes meteorite information		

Assumptions:			
Open Issues:			

Use Case : Teacher/Instructor requests to view educational pdf materials

UC ID and Name:	UC-04: Teacher/Instructor requests to download educational pdf materials		
Created By:	Erika Rebollo Diaz	Date Created:	10/02/2022
Primary Actor:	Teacher/Instructor	Secondary Actors:	System
Trigger:	Teacher/Instructor can download educational pdf materials		
Description:	A teacher/instructor would like to download educational materials provided by the Monnig to assist with Elementary, Middle, High school, etc. education in the classroom or at home for further learning. Pdf's are created through the OSU/Monnig partnership.		
Preconditions:	PRE-1. The instructor had access to the website.		
Postconditions:	POST-1. The user's browser supported downloads.		
Main Success Scenario:	1. The teacher/instructor indicates a request to access the educational pdf materials. 2. The System makes the pdf materials available to the teacher/instructor. 3. The teacher/instructor requests to download the pdf materials. 4. The System provides the materials. 5. Use case ends.		
Extensions:	**3a. The System contains no pdf materials** 3a1. The system notifies the user that there are no current materials to download.		
Priority:	Medium		
Frequency of Use:	Approximately *** users, average of one usage per day. Peak usage load for this use case is between 7:00 A.M. and 6:00 P.M. local time.		
Business Rules:	n/a		
Associated Information:			
Related Use Cases:			
Assumptions:			
Open Issues:	The system may want to track traffic, for research funding and proof of use purposes.		

Use Case : Administrator requests to add meteorite information

UC ID and Name:	UC-05: Request to add meteorite information

Created By:	Alberto Gaucin	Date Created:	10-03-2022
Primary Actor:	Administrator (Dr. Mayne)	Secondary Actors:	
Trigger:	The User indicates to create a new *meteorite info*.		
Description:	The User wants to create a new *meteorite info*, so that *we aren't locked in, can expand the number of meteorites on the website.*		
Preconditions:	PRE-1. The User is logged into the system. PRE-2. The User has the "create" privilege. See Business Rules of this use case.		
Postconditions:	POST-1. The new *meteorite info* is stored in the System.		
Main Success Scenario:	1.The User indicates to create a new meteorite info. 2.The System asks the User to enter the details of this new meteorite info according to "Details" defined in Associated Information of this use case. 3. The User enters the details of this new meteorite info and confirms she has finished. 4. The System validates the User's inputs according to "Details" defined in Associated Information of this use case. 5. The System validates that the creation of the new meteorite info will not duplicate any existing meteorite info according to "Duplication detection rules" defined in Associated Information of this use case. 6. The System displays the details of the new meteorite info and asks the User to confirm creation. 7. The User either confirms creation (continues normal flow) or chooses to modify the details (return to step 3). 8. The System saves the new meteorite info and informs the User that this meteorite info has been created. 9. The System notifies relevant actors about the creation of meteorite info according to "Notification" defined in Associated Information of this use case. 10. Use case ends.		
Extensions:	4a. **Input validation rule violation** 4a1. The System alerts the User that an input validation rule is violated and displays the nature and location of the error. 4a2. The User corrects the mistake and returns to step 4 of normal flow. 5a. **The System finds possible duplicates of existing meteorite info** 5a1. The System alerts the User that the meteorite info she is trying to create already exists in the System. 5a2. The System will give an option to go back. 5a3. The User either chooses to correct the mistake and returns to step 4 of normal flow or chooses to terminate the use case.		
Priority:	High		
Frequency of Use:	1 user, average of *** usage per week.		
Business Rules:	Security/access concerns.		
Associated Information:			
Related Use Cases			
Assumptions:			
Open Issues:			

Use Case : Administrator requests to delete meteorite information

UC ID and Name:	UC-06: Admin requests to deletes meteorite information
Created By:	Alberto Gaucin Date Created: 2022-09-30
Primary Actor:	Admin (Dr.Mayne) Secondary Actors:
Trigger:	The Admin indicates to delete an existing meteorite information
Description:	The Admin wants to delete meteorite information.
Preconditions:	PRE-1. The Admin is logged into their system PRE-2. The Admin has the "delete" privilege. See Business Rules of this use case. PRE-3. Meteorite information can be deleted after creation.
Postconditions:	POST-1. The meteorite information is deleted from the System according to the "Deletion strategy" defined in Associated Information of this use case.
Main Success Scenario:	1.The User indicates to delete an existing meteorite info. 2.The User views the details of this meteorite info through UC-02: View meteorite info. 3.The User chooses to delete this meteorite info. 4. The System validates that the deletion can be carried out according to "Data integrity and deletion rules" and "Referring objects handling strategy" defined in Associated Information of this use case. 5. The System alerts the User of the consequences of this deletion according to "Data integrity and deletion rules" defined in Associated Information of this use case, warns the User about the deletion, and asks the User to confirm. 6. The User confirms deletion. 7. The System deletes meteorite info according to "Deletion strategy" and "Referring objects handling strategy" defined in Associated Information of this use case and alerts the User that this meteorite info has been deleted. 8. The System notifies relevant actors about the deletion of meteorite info according to "Notification" defined in Associated Information of this use case. 9. Use case ends.
Priority:	High
Frequency of Use:	Approximately 1 users, average of *** usages per week.
Business Rules:	Security/access concerns.
Associated Information:	Deletion strategy: [Move deleted object including any related objects that are being deleted along with it from the System to an archive or audit database Logic delete: mark a business domain object as "deleted" but still keep it in the live system, the deleted object will not be visible or available to all normal functions and users. Logically, "deleted" objects are not supposed to be "recovered" i.e., they will never be used again. Only special administrative users with privileged access can view them (Langlands, 2010)] Referring objects handling strategy: deletes (logically) all the associated instructor tools In case of composition: Dependent objects are deleted along with meteorite info, aka cascading deletion ... Referring objects handling strategy: Warning 1: Dependent objects will be deleted along with meteorite info Warning 2: Due to deletion, the referring objects will be left in limbo ... Notification:

	Specify who to notify and what format The User shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case : Administrator requests to add teacher/instructor tools

UC ID and Name:	UC-07: Admin request to add instructor tools		
Created By:	Alberto Gaucin	Date Created:	10-03-2022
Primary Actor:	Administrator (Dr. Mayne)	Secondary Actors:	
Trigger:	The User indicates to create a new *instructor info*.		
Description:	The User wants to create a new *instructor info*, so that *we aren't locked in, can expand the number of tools on the website*.		
Preconditions:	PRE-1. The User is logged into the system. PRE-2. The User has the "create" privilege. See Business Rules of this use case. PRE-3. If this *instructor tool* is a dependent object, in other words, cannot exist by itself, the meteorite must exist first. .		
Postconditions:	POST-1. The new *instructor tool* is stored in the System.		
Main Success Scenario:	1. The User indicates to create a new instructor tool. 2. The System asks the User to enter the details of this new instructor tool according to "Details" defined in Associated Information of this use case. 3. The User enters the details of this new instructor tool and confirms she has finished. 4. The System validates the User's inputs according to "Details" defined in Associated Information of this use case. 5. The System validates that the creation of the new meteorite info will not duplicate any existing meteorite info according to "Duplication detection rules" defined in Associated Information of this use case. 6. The System displays the details of the new meteorite info and asks the User to confirm creation. 7. The User either confirms creation (continues normal flow) or chooses to modify the details (return to step 3). 8. The System saves the new meteorite info and informs the User that this meteorite info has been created. 9. The System notifies relevant actors about the creation of meteorite info according to "Notification" defined in Associated Information of this use case. 10. Use case ends.		
Extensions:	4a. **Input validation rule violation** 4a1. The System alerts the User that an input validation rule is violated and displays the nature and location of the error. 4a2. The User corrects the mistake and returns to step 4 of normal flow. 5a. **The System finds possible duplicates of existing instructor tool** 5a1. The System alerts the User that the meteorite info she is trying to create already exists in the System. 5a2. The System will give an option to go back. 5a3. The User either chooses to correct the mistake and returns to step 4 of normal flow or chooses to terminate the use case.		
Priority:	High		
Frequency of Use:	Approximately 1 user, average of *** usages per week.		
Business Rules:	Security/access concerns		
Associated Information:			
Related Use Cases:			
Assumptions:			
Open Issues:			

Use Case : Administrator requests to delete teacher/instructor tools

UC ID and Name:	UC-08: Admin requests to deletes instructor tool

Created By:	Alberto Gaucin	Date Created:	2022-09-30
Primary Actor:	Admin (Dr.Mayne)	Secondary Actors:	
Trigger:	The Admin indicates to delete an existing instructor tool		
Description:	The Admin wants to delete an instructor tool		
Preconditions:	PRE-1. The Admin is logged into their system PRE-2. The Admin has the "delete" privilege. See Business Rules of this use case. PRE-3. Instructor tool can be deleted after creation.		
Postconditions:	POST-1. The instructor tool information is deleted from the System according to "Deletion strategy" defined in Associated Information of this use case.		
Main Success Scenario:	1.The User indicates to delete an existing meteorite info. 2.The User views the details of this meteorite info through UC-04: View educational materials. 3.The User chooses to delete this meteorite info. 4. The System validates that the deletion can be carried out according to "Data integrity and deletion rules" and "Referring objects handling strategy" defined in Associated Information of this use case. 5. The System alerts the User of the consequences of this deletion according to "Data integrity and deletion rules" defined in Associated Information of this use case, warns the User about the deletion, and asks the User to confirm. 6. The User confirms deletion. 7. The System deletes meteorite info according to "Deletion strategy" and "Referring objects handling strategy" defined in Associated Information of this use case and alerts the User that this meteorite info has been deleted. 8. The System notifies relevant actors about the deletion of meteorite info according to "Notification" defined in Associated Information of this use case. 9. Use case ends.		
Extensions:			
Priority:	High		
Frequency of Use:	Approximately 1 users, average of *** usages per week.		
Business Rules:	Security/access concerns.		
Associated Information:	Deletion strategy: [Move deleted object including any related objects that are being deleted along with it from the System to an archive or audit database Logic delete: mark a business domain object as "deleted" but still keep it in the live system, the deleted object will not be visible or available to all normal functions and users. Logically, "deleted" objects are not supposed to be "recovered" i.e., they will never be used again. Only special administrative users with privileged access can view them (Langlands, 2010)] Referring objects handling strategy: do not delete the meteorite associated with the instructor tool ... Notification: Specify who to notify and what format The User shall be able to cancel the use case at any time prior to submitting it.		
Related Use Cases:			
Assumptions:			
Open Issues:			

Use Case : Administrator requests to edit meteorite on-screen info

UC ID and Name:	UC-09: Admin requests to edit meteorite on-screen info		
Created By:	Robby	Date Created:	10/02/2022
Primary Actor:	Administrator	Secondary Actors:	

Trigger:	Administrator indicates to change the details of an existing meteorite on-screen information.
Description:	The administrator wants to change the details of an existing meteorite on-screen information.
Preconditions:	PRE-1. There exists at least one on-screen meteorite information in the System. PRE-2. The Administrator is logged into the System.
Postconditions:	POST-1. Changes made to the on-screen information are stored in the System.
Main Success Scenario:	1. The Administrator indicates to change the details of an existing meteorite on-screen information. 2. The Administrator views the details of this meteorite on-screen information. 3. The Administrator chooses to change the details of this meteorite on-screen information. 4. The System asks the User to make changes to this meteorite on-screen information where allowed according to "Details" defined in Associated Information and "Security/access concerns" defined in Business Rules of this use case. 5. The Administrator makes changes to this meteorite on-screen information until confirming that she has finished changing. 6. The System validates the User's changes and alerts warning messages according to "Details" defined in Associated Information of this use case. 7. The Administrator acknowledges the warnings and chooses to continue. 8. The System displays the updated details of this meteorite on-screen information and alerts the User to confirm change. 9. The Administrator either confirms change (continues normal flow) or chooses to continue to change the details (return to step 5). 10. The System saves the changes, carries out the effect of change according to "Details" defined in Associated Information of this use case, and informs the User that this meteorite on-screen information has been changed. 11. The System notifies relevant actors about the change of meteorite on-screen information according to "Notification" defined in Associated Information of this use case. 12. Use case ends.
Extensions:	**6a. Input validation rule violation** 6a1. The System alerts the User that an input validation rule is violated and displays the nature and location of the error. 6a2. The User corrects the mistake and returns to step 6 of normal flow.
Priority:	High
Frequency of Use:	Approximately 1 user, average of one usage per month.
Business Rules:	Security/access concerns
Associated Information:	Details: 	Property name	Data type	Editability	Validation rule	Effect of change	Warning	Reference to glossary	 |---|---|---|---|---|---|---| 	Meteorites name	String	editable					 	Description	String	editable					 								 *Column "Effect of change" shows consequences of modification other than saving.* Notification: ● *Specify who to notify and what format*

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	A basic set of commonly used constraints: *Checks that the input is not empty (empty means trimmed input length is 0).* *Numeric value:* - *Checks whether the input value is less than or equal to the specified maximum* - *Checks whether the input value is higher than or equal to the specified minimum* - *Checks whether the input value is a number having up to certain number of digits and certain number of fractional digits* - *Checks whether the input value is strictly positive. Zero values are considered invalid* - *Checks whether the input value is positive or zero* - *Checks whether the input value is strictly negative. Zero values are considered invalid* - *Checks whether the input value is negative or zero* - *Checks whether the input value is between min and max (inclusive)* *Text:* - *Checks whether the specified character sequence's length is between min and max (inclusive)* - *Checks whether the specified character sequence is a valid email address* - *Checks whether the specified character sequence is a valid phone number* - *Checks whether the specified string matches the provided regular expression* The User shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases:	The User may first choose to <u>UC-13: Admin views information on meteorites</u>, then decide to change one.
Assumptions:	
Open Issues:	

Use Case : Administrator edit teacher/instructor tools

UC ID and Name:	UC-10: Administrator requests to edit teacher/instructor tools		
Created By:	Robby	Date Created:	10/02/2022
Primary Actor:	Administrator	Secondary Actors:	
Trigger:	The Administrator indicates to change the details of an existing teacher/instructor tools .		
Description:	The Administrator edits the teacher/instructor tools.		
Preconditions:	PRE-1. The Administrator is logged into the System.		
Postconditions:	POST-1. Changes made to the teacher/instructor tools are stored in the System.		
Main Success Scenario:	1. The Administrator indicates to change the details of an existing teacher/instructor tool. 2. The Administrator views the details of this teacher/instructor tool through UC-13: Admin views educational materials. 3. The Administrator chooses to change the details of this teacher/instructor tool. 4. The System asks the User to make changes to this teacher/instructor tool where allowed according to "Details" defined in Associated Information and "Security/access concerns" defined in Business Rules of this use case. 5. The Administrator makes changes to this teacher/instructor tool until confirming that she has finished changing. 6. The System validates the User's changes and alerts warning messages according to "Details" defined in Associated Information of this use case. 7. The Administrator acknowledges the warnings and chooses to continue. 8. The System displays the updated details of this teacher/instructor tool and alerts the Administrator to confirm change. 9. The Administrator either confirms change (continues normal flow) or chooses to continue to change the details (return to step 5). 10. The System saves the changes, carries out the effect of change according to "Details" defined in Associated Information of this use case, and informs the User that this teacher/instructor tool has been changed. 11. The System notifies relevant actors about the change of teacher/instructor tool according to "Notification" defined in Associated Information of this use case. 12. Use case ends.		

Extensions:	**6a. Input validation rule violation**
	  6a1. The System alerts the User that an input validation rule is violated and displays the nature and location of the error.
	  6a2. The User corrects the mistake and returns to step 6 of normal flow.		

Priority:	High		
Frequency of Use:	Approximately 1 user, average of one usage per month.		
Business Rules:	Security/access concerns		
Associated Information:			
Related Use Cases:	UC: Admin can add teacher/instructor tools		
Assumptions:			
Open Issues:			

Use Case : Administrator requests to edit meteorite information

UC ID and Name:	UC-11: Admin requests to edit meteorite information		
Created By:	Ayomide Ayowole-Obi	Date Created:	10/16/22
Primary Actor:	Administrator	Secondary Actors:	
Trigger:	The Administrator indicates to change the details of an existing meteorite.		
Description:	The Administrator wants to change the details of an existing meteorite		
Preconditions:	PRE-1. The Administrator is logged into the System PRE-2. There exists meteorite information already in the database		
Postconditions:	POST-1. Changes made to the meteorite are stored in the System.		
Main Success Scenario:	1. The User indicates to change the details of an existing meteorite . 2. The User views the details of this meteorite through <u>UC-13: View a Meteorite</u>. 3. The User chooses to change the details of this meteorite. 4. The System asks the User to make changes to this meteorite where allowed according to "Details" defined in Associated Information and "Security/access concerns" defined in Business Rules of this use case. 5. The User makes changes to this meteorite until confirming that she has finished changing. 6. The System validates the User's changes and alerts warning messages according to "Details" defined in Associated Information of this use case. 7. The User acknowledges the warnings and chooses to continue. 8. The System displays the updated details of this meteorite and alerts the User to confirm change. 9. The User either confirms change (continues normal flow) or chooses to continue to change the details (return to step 5). 10. The System saves the changes, carries out the effect of change according to "Details" defined in Associated Information of this use case, and informs the User that this meteorite has been changed. 11. The System notifies relevant actors about the change of meteorite according to "Notification" defined in Associated Information of this use case. 12. Use case ends.		

Extensions:	**6a. Input validation rule violation**
	    6a1. The System alerts the User that an input validation rule is violated and displays the nature and location of the error.
	    6a2. The User corrects the mistake and returns to step 6 of normal flow.		

Priority:	High		
Frequency of Use:	Approximately 1 user, average of one usage per month.		
Business Rules:	<mark>Security/access concerns</mark>		
Associated Information:			
Related Use Cases:	UC-13: Admin can edit meteorite on-screen info		
Assumptions:			
Open Issues:			

Use Case : Administrator requests to view educational materials

UC ID and Name:	UC-12: Admin views educational materials
Created By:	Robby Dai Date Created: 10/24/22
Primary Actor:	Administrator Secondary Actors:
Trigger:	The User indicates to view the details of an educational material.
Description:	The User wants to view the details of an educational material, so that she can get a better idea of an educational material.
Preconditions:	PRE-1. The Administrator is logged into the System
Postconditions:	POST-1. Changes made to the educational material are stored in the System.
Main Success Scenario:	1. The Admin indicates to view the details of an educational material. 2. The Admin finds a list of educational materials 3. The Admin views the list and chooses to view the details of one specific educational material. 4. The System retrieves and displays the details of this educational material according to "Details" defined in Associated Information and "Security/access concerns" defined in Business Rules of this use case. 5. The Admin views the details of this educational material. 6. Use case ends.
Extensions:	**6a. Input validation rule violation** 6a1. The System alerts the User that an input validation rule is violated and displays the nature and location of the error. 6a2. The User corrects the mistake and returns to step 6 of normal flow.
Priority:	High
Frequency of Use:	Approximately *** user, average of *** usages per week.
Business Rules:	==Security/access concerns==
Associated Information:	Details:<table><tr><th>Property name</th><th>Data type</th><th>Editability</th><th>Security/access concerns</th><th>Reference to glossary</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>
Related Use Cases:	The User can perform other actions after this use case. After this use case succeeds, the User may take any of the following actions on this educational material: ● UC-08: Admin deletes instructor tool ● UC-10: Administrator edit teacher/instructor tools
Assumptions:	
Open Issues:	

Use Case : Administrator requests to find a specific meteorite

UC ID and Name:	UC-13: Administrator finds meteorites
Created By:	Robby Dai Date Created: 10/24/22

Primary Actor:	Administrator		Secondary Actors:	
Trigger:	The User indicates to find meteorites.			
Description:	The User wants to find meteorites which match specific criteria, so that she can decide what to do next or other <*rationale of this use case*>.			
Preconditions:	PRE-1. The Administrator is logged into the System			
Postconditions:	POST-1. A list of matching meteorites is returned and displayed to the User. It is possible that the list is empty.			
Main Success Scenario:	1. The User indicates to find meteorites. 2. The System asks the User to enter search values according to "Search criteria" defined in Associated Information of this use case. 3. The User enters one or more search values and confirms she has finished entering. 4. The System finds all meteorites that match the provided search criteria values. 5. The System displays matching meteorites according to the "Search results display strategy" and "Sort criteria" defined in Associated Information of this use case. 6. Use case ends.			

Extensions:	**4a. No matching is found**
	    4a1. The System alerts the User that no matching meteorite is found.
	    4a2. The User either chooses to <u>UC-05: Request to add meteorite information</u> or terminate the use case or return to step 2 of normal flow.
	5a. The User chooses to select a different set of properties to display matching meteorites
	    5a1. The System displays the current "Search results display strategy."
	    5a2. The User enters a customized "Search results display strategy," confirms she has finished entering, and returns to step 5 of normal flow.
	5b. The User chooses to re-sort search results
	    5b1. The User re-sorts the search result according to "Sort criteria" defined in Associated Information of this use case and returns to step 5 of normal flow.			

Priority:	High			
Frequency of Use:	Approximately *** user, average of *** usages per week.			
Business Rules:	<mark>Security/access concerns</mark>			
Associated Information:	Search criteria (aka search fields, search attributes/properties, search details, searchable qualities): <mark>TODO</mark>			

Search property name	Data type	Options <mark>(TODO, What is this?)</mark>	Validation rule	Security/access concerns	Reference to glossary
Meteorite name	String		less than		
region	String				

	Search results display strategy (specify which properties to display for each matching meteorite):
	
	  ● TBD
	Sort criteria:
	
	  ● TBD

Related Use Cases:	The User can perform other actions after this use case. After this use case succeeds, the User may select any of the displayed meteorites and take any of the following actions on the selected item: ● UC-02: View information on meteorite

	● UC-05: Request to add meteorite information ● UC-09: Admin can edit meteorite information ● UC-06: Admin deletes meteorite information
Assumptions:	
Open Issues:	

Use Case : Administrator requests to view all meteorites

UC ID and Name:	UC-14: Admin views a meteorite		
Created By:	Robby Dai	Date Created:	24/10/22
Primary Actor:	Administrator	Secondary Actors:	
Trigger:	The User indicates to view the details of a meteorite.		

Description:	The User wants to view the details of a meteorite, so that she can get a better idea of meteorite or other..
Preconditions:	PRE-1. The User is logged into the System.
Postconditions:	POST-1. The details of the specified meteorite are displayed to the User.
Main Success Scenario:	1. The User indicates to view the details of a meteorite. 2. The User finds a list of meteorites through UC-13: Administrator finds meteorites. 3. The User views the list and chooses to view the details of one specific meteorite. 4. The System retrieves and displays the details of this meteorite according to "Details" defined in Associated Information and "Security/access concerns" defined in Business Rules of this use case. 5. The User views the details of this meteorite. 6. Use case ends.
Extensions:	
Priority:	High
Frequency of Use:	Approximately *** user, average of *** usages per week.
Business Rules:	Security/access concerns ● TBD
Associated Information:	Details: <table><tr><td>**Property name**</td><td>**Data type**</td><td>**Editability**</td><td>**Security/access concerns**</td><td>**Reference to glossary**</td></tr><tr><td>Meteorite name</td><td></td><td></td><td></td><td></td></tr><tr><td>Description</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>
Related Use Cases:	UC-13: Administrator finds meteorites The User can perform other actions after this use case. After this use case succeeds, the User may take any of the following actions on this meteorite: ● UC-09: Admin can edit meteorite information ● UC-06: Admin deletes meteorite information
Assumptions:	
Open Issues:	

Use Case : Administrator requests to find an educational material

UC ID and Name:	UC-15: Administrator finds educational materials		
Created By:	Robby Dai	Date Created:	10/24/22
Primary Actor:	Administrator	Secondary Actors:	
Trigger:	The User indicates to find educational materials.		
Description:	The User wants to find educational materials which match specific criteria, so that she can decide what to do next.		

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<document identifier>	

Preconditions:	PRE-1. The Administrator is logged into the System
Postconditions:	POST-1. A list of matching meteorites is returned and displayed to the User. It is possible that the list is empty.
Main Success Scenario:	1. The User indicates to find educational materials. 2. The System asks the User to enter search values according to "Search criteria" defined in Associated Information of this use case. 3. The User enters one or more search values and confirms she has finished entering. 4. The System finds all educational materials that match the provided search criteria values. 5. The System displays matching educational materials according to the "Search results display strategy" and "Sort criteria" defined in Associated Information of this use case. 6. Use case ends.

Extensions:	**4a. No matching is found**
	    4a1. The System alerts the User that no matching educational material is found.
	    4a2. The User either chooses to <u>UC-07: Request to add instructor tools</u> or terminate the use case or return to step 2 of normal flow.
	5a. The User chooses to select a different set of properties to display matching meteorites
	    5a1. The System displays the current "Search results display strategy."
	    5a2. The User enters a customized "Search results display strategy," confirms she has finished entering, and returns to step 5 of normal flow.
	5b. The User chooses to re-sort search results
	    5b1. The User re-sorts the search result according to "Sort criteria" defined in Associated Information of this use case and returns to step 5 of normal flow.

Priority:	High
Frequency of Use:	Approximately *** user, average of *** usages per week.
Business Rules:	Security/access concerns
Associated Information:	Search criteria (aka search fields, search attributes/properties, search details, searchable qualities): TODO | Search property name	Data type	Options (TODO, What is this?)	Validation rule	Security/access concerns	Reference to glossary
---	---	---	---	---	---
Educational tool name					

						Search results display strategy (specify which properties to display for each matching meteorite):
						
						    ● TBD
						Sort criteria:
						
						    ● TBD

Related Use Cases:	The User can perform other actions after this use case. After this use case succeeds, the User may select any of the displayed educational material and take any of the following actions on the selected item:
	
	    ● UC-13: Administrator views an educational material
	
	    ● UC-07: Request to add instructor tools
	
	    ● UC-10: Administrator edit teacher/instructor tools

	● UC-08: Admin deletes instructor tool
Assumptions:	
Open Issues:	

Business Rules

Security/access concerns: only one super-user, only one user that requires auth, and that is Dr. Mayne