# **Monnig Meteorite Gallery + Native Earth Native Sky**

# NaMe Interactive Map Learning Tool Use Cases

Version 1.0

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Note:

Here is a sample set of use cases of a project called "SuperFrog Scheduler," please make sure your use case doc follows the same format.

This is the required style when writing a specific use cases: A Practical Style Guide and Templates Repository for Writing Effective Use Cases <a href="https://github.com/Washingtonwei/use-case-style-guide">https://github.com/Washingtonwei/use-case-style-guide</a>

Here are the templates you can use: <a href="https://docs.google.com/document/d/1mdpekQ3sbKstbhFWDMD8-wzQuPRi-Y46t9z1XhcQ2BI/edit">https://docs.google.com/document/d/1mdpekQ3sbKstbhFWDMD8-wzQuPRi-Y46t9z1XhcQ2BI/edit</a>

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**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**

#### **Use Case List**

Primary Actor	Use Cases			
User: User	UC: User views information on meteorite			
	UC: User views meteorite location on map			
	UC: User requests to filter meteorites by region			
Teacher/Instructor	UC: Teacher/Instructor requests to view educational pdf materials			
Admin	UC: Admin requests to add meteorite info			
	UC: Admin requests to delete meteorite info			
	UC: Admin requests to add teacher/instructor tools			
	UC: Admin requests to delete teacher/instructor tools			
	UC: Admin requests to edit meteorite on-screen info			
	UC: Admin requests to edit teacher/instructor tools page			
	UC: Admin requests to edit meteorite information			
	UC: Administrator views an educational material			
	UC:Administrator finds meteorites			
	UC:Administrator views meteorites			
	UC:Administrator finds educational materials			

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# Use Case: User views information on meteorite

UC ID and Name:	UC-01: View information on meteorite						
Created By:	Ayomide Ayo	wole-Obi	Date Crea	ated:	30/9/22		
Primary Actor:	User		Secondary Ac	tors:			
Trigger:	The User indi	The User indicates to view the details of a meteorite.					
Description:	The User wan	ts to view the d	letails of a meteor	ite, so	that she ca	n learn about t	he material.
Preconditions:	PRE-1. The U	ser is logged in	nto the System.				
	PRE-2. The U	ser has the "vio	ew" privilege. See	Busin	ness Rules	of this use case	e.
Postconditions:	POST-1. The	details of the sp	pecified meteorite	are di	splayed to	the User.	
Main Success	1. The User	indicates to vi	ew the details of a	n mete	orite.		
Scenario:			meteorites through				
ļ.			and chooses to vie				
ļ.			d displays the deta				
ļ.			nformation and "S	ecurit	y/access co	ncerns" define	d in
		Rules of this u					
			ils of this meteori	te.			
	6. Use case						
Extensions:			outside resources				
			ss to outside resou	urces			
		access to outsi	de resources				
Priority:	High						
Frequency of Use:			rage of *** usage	s per v	week.		
Business Rules:	Security/acces						
	● TBD						
Associated	Details:			~			
Information:	Property name	Data type	Editability	Secur	ity/access erns	Reference to glossary	
	Meteorite	String	Not editable	conce		grossary	
	Name						
	Descriptio	String	Not editable				
	n						
	PDF links	String	Not editable				
Related Use Cases:	UC: Find met						
	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 < <i>whatever</i> >:						
	• UC: Change a <whatever></whatever>						
	• UC: Delete a <whatever></whatever>						
	• UC: View a <whatever2></whatever2>						
	• UC:	View a < <i>whate</i>	ver3>				
Assumptions:			_				
Open Issues:							

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# Use Case : User views meteorite map

UC ID and Name:	UC-02: View	a meteorite on	map				
Created By:	Ayomide Ayo		Date Cre	ated:	30/9/22		
Primary Actor:	User		Secondary Ac	ctors:			
Trigger:	The User indicates to view the details of a map.						
Description:	The User wan	The User wants to view the details of a map, so that she can get a better idea of a region					
	or other states	or other states.					
Preconditions:	PRE-1. The U	ser is logged in	nto the System.				
			ew" privilege. See				•
Postconditions:	POST-1. The	details of the sp	pecified region ar	e displ	layed to the	User.	
Main Success			ew the details of				
Scenario:			regions through <u>U</u>				
			and chooses to vio				
			d displays the det				
			formation and "S	Securit	y/access co	ncerns" defined	d in
		Rules of this u					
			ils of this region.				
Б. (	6. Use case	ends.					
Extensions:	TT' 1						
Priority:	High	***	C + + +		1		
Frequency of Use:		Approximately *** user, average of *** usages per week.					
Business Rules:	-	Security/access concerns					
Associated	TBD  Details:						
Information:	Property	Data type	Editability	Social	rity/access	Reference to	
information:	name	Data type	Editability	conce	•	glossary	
Related Use Cases:	UC: Find <wh< td=""><td>atever&gt;s</td><td></td><td></td><td></td><td></td><td></td></wh<>	atever>s					
	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></whatever></whatever>						
	• UC: Delete a <whatever></whatever>						
	• UC: View a <whatever2></whatever2>						
	• UC: View a < whatever 3>						
Assumptions:							
Open Issues:							

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# Use Case: User requests to filter meteorites by region

UC ID and Name:	UC-03: User requests to filter	r 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				
1	empty.				
Preconditions:	PRE-1. The user successfully	accessed the map.			
Postconditions:	POST-1. The map showed th	e requested region.			
Main Success	•				
Scenario:	defined in Associate 3. The User chooses of 4. The System finds all 5. The System displays display strategy" and use case. 6. Use case ends.	User to enter search valid Information of this us ne search value and con I meteorites that match is matching meteorites and	alues according to "Search criteria" see case. firms she has finished entering. the provided search criteria values. ccording to the "Search results I in Associated Information of this		
Extensions:	<ul> <li>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.</li> <li>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."</li> <li>5a2. The User enters a customized "Search results display strategy," confirms she has finished entering, and returns to step 5 of normal flow.</li> </ul>				
Priority:	High	arns to step 5 or normar	now.		
Frequency of Use:	Approximately ***% of user	rs as tracked by the sys	tem through use		
Business Rules:	ripproximately 70 of aser	is, as tracked by the sys	tem tinough use.		
Associated Information:	meteorites):  TBD  Sort criteria:  TBD		ties to display for each matching		
Related Use Cases:	User may select any of the di the selected item:  UC-02: User views and UC-05: Request to and UC-09: Admin can design and UC-09: Admin can des	splayed meteorites and information on meteorit	on on in database		
Assumptions:					
Open Issues:					

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

UC ID and Name:	UC-04: Teacher/Instructor re	quests to download edu	icational pdf materials
Created By:	Erika Rebollo Diaz	Date Created:	10/02/2022
Primary Actor:	Teacher/Instructor	Secondary Actors:	System
Trigger:	Teacher/Instructor can downl	oad educational pdf ma	nterials
Description:			onal materials provided by the
_	Monnig to assist with Elemen	ntary, Middle, High sch	ool, etc. education in the classroom or
	at home for further learning.	Pdf's are created throug	gh the OSU/Monnig partnership.
Preconditions:	PRE-1. The instructor had ac	cess to the website.	
Postconditions:	POST-1. The user's browser	supported downloads.	
Main Success			ess the educational pdf materials.
Scenario:	2. The System makes the p		
	3. The teacher/instructor re		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:			day. Peak usage load for this use case
	is between 7:00 A.M. and 6:0	00 P.M. local time.	
Business Rules:	n/a		
Associated			
Information:			
Related Use Cases:			
Assumptions:			
Open Issues:	The system may want to track	x traffic, for research fu	anding and proof of use purposes.

#### Use Case: Administrator requests to add meteorite information

	•		
UC ID and Name:	UC-05: Request to add meter	orite information	
Created By:	Alberto Gaucin	Date Created:	10-03-2022
Primary Actor:	Administrator (Dr. Mayne)	Secondary Actors:	

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Trigger:	The User indicates to create a new <i>meteorite info</i> .
Description:	The User wants to create a new <i>meteorite info</i> , so that <i>we aren't locked in, can expand the</i>
Description.	number of meteorites on the website.
Preconditions:	PRE-1. The User is logged into the system.
110001101101101101101101101101101101101	PRE-2. The User has the "create" privilege. See Business Rules of this use case.
	THE 2. The ober has the create privilege, see Business reales of this use case.
Postconditions:	POST-1. The new <i>meteorite info</i> is stored in the System.
Main Success	1. The User indicates to create a new meteorite info.
Scenario:	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.  Of The System notified relevant extern shout the greation of metacrite info according to
	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
LACISIONS.	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:	
Business Rules:	Security/access concerns.
Associated	
Information:	
Related Use Cases	
Assumptions:	
Open Issues:	

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# 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	1. The User indicates to delete an existing meteorite info.	
Scenario:	2. The User views the details of this meteorite info through <u>UC-02</u> : <u>View meteorite info</u> .	
	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.	
Frequency of Use: Business Rules:	Approximately 1 users, average of *** usages per week.  Security/access concerns.	
Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  Deletion strategy: [	
Frequency of Use: Business Rules:	Approximately 1 users, average of *** usages per week.  Security/access concerns.  Deletion strategy: [ Move deleted object including any related objects that are being deleted along with it	
Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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	
Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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	
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Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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:	
Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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	
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Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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	
Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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:	
Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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	
Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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:	
Frequency of Use: Business Rules: Associated	Approximately 1 users, average of *** usages per week.  Security/access concerns.  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	

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	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:	

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#### Use Case: Administrator requests to add teacher/instructor tools

UC ID and Name:	UC-07: Admin request to add	d 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		
Description:	The User wants to create a new <i>instructor info</i> , so that we aren't locked in, can expand the		
1	number of tools on the websi		, ,
Preconditions:	PRE-1. The User is logged in	nto the system.	
	PRE-2. The User has the "cre		
		is a dependent object, i	n other words, cannot exist by itself, the
	meteorite must exist first		
Postconditions:	POST-1. The new <i>instructor</i>		
Main Success		to create a new instructor	
Scenario:		in Associated Informat	ls of this new instructor tool according
			uctor tool and confirms she has finished.
			ording to "Details" defined in
	Associated Informat		ording to Betains defined in
			ne new meteorite info will not duplicate
			uplication detection rules" defined in
	Associated Informat		
		s the details of the new	meteorite info and asks the User to
	confirm creation.		
			es normal flow) or chooses to modify the
	details (return to ste	. ,	1.6 4 11 4 41.
			nd informs the User that this meteorite
	info has been create 9. The System notifies		ne creation of meteorite info according
			ormation of this use case.
	10. Use case ends.	inied in 7 issociated inie	rination of this use case.
Extensions:	4a. Input validation rule vio	olation	
			ion rule is violated and displays the
	nature and location of the err		1 2
	4a2. The User corrects the m		
	5a. The System finds possib		
		ser that the meteorite in	fo 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

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

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Created By:	Alberto Gaucin	Date Created:	2022-09-30		
Primary Actor:	Admin (Dr.Mayne)	Secondary Actors:	2022-09-30		
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				
i reconditions.	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 is		om the System according to		
r ostconditions.	"Deletion strategy" defined in				
Main Success	1.The User indicates to delete				
Scenario:			rough <u>UC-04: View educational</u>		
	materials.		6		
	3.The User chooses to delete	this meteorite info.			
	4. The System validates that	the deletion can be carri	ied out according to "Data integrity		
	and deletion rules" and "Refe	rring objects handling s	strategy" defined in Associated		
	Information of this use case.				
			f this deletion according to "Data		
			formation of this use case, warns the		
	User about the deletion, and a		1.		
	6. The User confirms deletion		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
			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 Ass				
	9. Use case ends.	ociated information of t	tins use case.		
Extensions:	y. Ose case chas.				
Priority:	High				
Frequency of Use:	Approximately 1 users, avera	ige of *** usages per w	eek.		
Business Rules:	Security/access concerns.	<u> </u>			
Associated	Deletion strategy: [				
Information:		g any related objects the	at are being deleted along with it		
	from the System to an archive				
			eted" but still keep it in the live		
			able to all normal functions and		
			to be "recovered" i.e., they will never		
		dministrative users with	n 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:	1113 CBCI BIIGII OC GOIC TO CUIT	are are subsectively to	mit prior to businessing its		
Assumptions:					
Open Issues:					

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# 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:	

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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. Char	nges made to th	ne on-screen	information	are stored	in the Syste	em.
Main Success		Administrator i	ndicates to	change the d	etails of an	existing me	eteorite on-
Scenario:		n 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.					
			. Haar ta ma	lea ahanaas	to this moto	arita an sa	naan
		System asks the mation where a					
		mation uncrea					
	case.		ocurry, acces	os concerns	defined in	Dusiness iv	ares of this use
		Administrator r	nakes chang	es to this me	eteorite on-	screen info	rmation until
		irming that she					
		System validate					iges according
		Details" defined					
		Administrator a	_		_		
		System display			his meteori	te on-scree	n information
		alerts the User t Administrator e			continues n	ormal flow	or chooses to
				· ·		omiai mow	) of 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.						
		System notifies					
		mation accordi	ng to "Notif	ication" defi	ned in Ass	ociated Info	ormation of
		ise case.					
	12. Use case ends.						
Extensions:	6a. Input validation rule violation						
Latensions.		System alerts th		an input vali	dation rule	is violated	and displays
		and location of		r			<u>-</u>
		Jser corrects th		nd returns to	step 6 of no	ormal flow.	
Priority:	High						
Frequency of Use:		Approximately 1 user, average of one usage per month.					
Business Rules:	Security/access concerns						
Associated	Details:						
Information:	Property name	Data type	Editabilit	Validation rule	Effect of change	Warning	Reference to
	liame		y	Tuic	change		glossary
	Meteorites	String	editable				
	name Description	String	editable				
	Description	Jung	Carmore				
	Column "Effect of change" shows consequences of modification other than saving.						
	Notification:  • Specify who to notify and what format						
	1 h ani+ C	·	d construit (				
	A vasic set of	commonly used	i constraints	<i>y.</i>			

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	T
	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 negative or zero Checks whether the input value is between min and max (inclusive)
	<ul> <li>Text:</li> <li>Checks whether the specified character sequence's length is between min and max (inclusive)</li> <li>Checks whether the specified character sequence is a valid email address</li> <li>Checks whether the specified character sequence is a valid phone number</li> <li>Checks whether the specified string matches the provided regular expression</li> </ul> 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 UC-13: Admin views information on meteorites, then decide
	to change one.
Assumptions:	
Open Issues:	

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#### 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	e teacher/instructor tool	ls are stored in the System.	
Main Success	<ol> <li>The Administrator i</li> </ol>	ndicates to change the d	letails of an existing	
Scenario:	teacher/instructor to			
	2. The Administrator v	views the details of this	teacher/instructor tool through <u>UC-</u>	
	13: Admin views ed			
			etails of this teacher/instructor tool.	
			to this teacher/instructor tool where	
			associated Information and	
			ness Rules of this use case. acher/instructor tool until confirming	
	that she has finished		acher/histractor toor until commining	
			d alerts warning messages according	
		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.			
		8 (		
	continue to change the details (return to step 5).			
			he effect of change according to	
			n 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.	T		
Extensions:	6a. Input validation rule vid			
			dation 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	c mistake and returns to	step 6 of normal flow.	
Frequency of Use:	Approximately 1 user, average	ge of one usage ner mon	th	
Business Rules:	Security/access concerns	ge of one asage per mon	tui.	
Associated	Becaries, access concerns			
Information:				
Related Use Cases:	UC: Admin can add teacher/i	instructor tools		
Assumptions:				
Open Issues:				
3 pen 18840.				

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# 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			
	PRE-2. There exists meteorit	e information already ir	n the database	
Postconditions:	POST-1. Changes made to th	e meteorite are stored in	n the System.	
Main Success Scenario:	<ol> <li>The User views the 3. The User chooses to 4. The System asks the according to "Detail concerns" defined ir 5. The User makes charging.</li> <li>The System validate to "Details" defined 7. The User acknowled 8. The System displays confirm change.</li> <li>The User either contochange the details 10. The System saves th "Details" defined in User that this meteo 11. The System notifies</li> </ol>	change the details of the User to make changes is" defined in Associated Business Rules of this inges to this meteorite uses the User's changes and in Associated Informating the warnings and continues is the updated details of firms change (continues is (return to step 5). The changes, carries out the Associated Information rite has been changed.	through UC-13: View a Meteorite.  nis meteorite.  to this meteorite where allowed d Information and "Security/access use case.  ntil confirming that she has finished ad alerts warning messages according ion of this use case.  hooses to continue.  this meteorite and alerts the User to a normal flow) or chooses to continue the effect of change according to a of this use case, and informs the me change of meteorite according to	
Extensions:	6a. Input validation rule vid	olation		
			idation rule is violated and displays	
	the nature and location of	the error.		
	6a2. The User corrects the	e 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-13: Admin can edit mete	orite on-screen info		
Assumptions:				
Open Issues:				

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Use Cases	Date: 29/09/22
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# Use Case: Administrator requests to view educational materials

UC ID and Name:   UC-12: Admin views educational materials   Date Created By:   Robby Dai   Date Created:   10/24/22
Primary Actor: 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.  Security/access concerns Details:
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.  Security/access concerns Associated Details:
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 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: Business Rules:  Associated Details:
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: Associated Details:
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.  Security/access concerns Details:
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 Details:
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  Details:
Scenario:  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  Details:
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: Associated Details:
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 Details:
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 Details:
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 Details:
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 Details:
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 Details:
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 Details:
6al. 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 Details:
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 Details:
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 Details:
Priority: High Frequency of Use: Approximately *** user, average of *** usages per week.  Business Rules: Security/access concerns Associated Details:
Frequency of Use: Approximately *** user, average of *** usages per week.  Business Rules: Security/access concerns  Associated Details:
Business Rules: Security/access concerns Associated Details:
Associated Details:
Information: Property Data type Editability Security/access Defended to
name concerns glossary
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:		

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Trigger:	The User indi	cates to fin	d meteorite	AG.			
Description:					a anitania sa that sh	a aan daaida	
Description.	The User wants to find meteorites which match specific criteria, so that she can decide what to do next or other < <i>rationale of this use case</i> >.						
Preconditions:				V			
		PRE-1. The Administrator is logged into the System  POST-1. A list of matching meteorites is returned and displayed to the User. It is possible					
Postconditions:			ng meteori	tes is returned and	displayed to the Us	er. It is possible	
	that the list is	1 ,					
Main Success		r indicates t					
Scenario:					eccording to "Search	riteria"	
				tion of this use case			
					nfirms she has finis		
					ovided search criteri		
					ng to the "Search re		
			criteria de	enned in Associated	d Information of this	s use case.	
Extensions:			J				
Extensions:	4a. No match			that wa madahina m	antonita in formal		
				that no matching n	add meteorite infor	rmation or	
				to step 2 of normal		mation of	
					now. perties to display m	natchina	
	meteorites	chooses to	scicci a u	incrent set of proj	berties to display in	latening	
		System disn	lays the cu	rrent "Search resul	ts 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 U	Jser re-sort	s the searc	h result according t	o "Sort criteria" def	fined in	
					to step 5 of normal		
Priority:	High						
Frequency of Use:	Approximately *** user, average of *** usages per week.						
Business Rules:	Security/acces	ss concerns					
Associated			h fields, se	earch attributes/proj	perties, search detail	ls, searchable	
Information:	qualities): TO						
	Search Data type Options Validation rule Security/access Reference to property CTODO.						
		property (TODO, name What is glossary					
			this?)				
	Meteorite	String		less than			
	name region	String					
	region	Sumg					
	Search results display strategy (specify which properties to display for each matching meteorite):  TBD				h matching		
	Sort criteria:						
P. 1 . 177 ~	● TBD			0 1:			
Related Use Cases:		•			After this use case		
			ne displaye	d meteorites and ta	ke any of the follow	ing actions on	
	the selected item:						
	UC-02: View information on meteorite						
	<ul> <li>UC-05: Request to add meteorite information</li> <li>UC-09: Admin can edit meteorite information</li> </ul>						
					1		
	● UC-(	06: Admin	deletes me	teorite information			

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Assumptions:	
Open Issues:	

#### **Use Case: Administrator requests to view all meteorites**

	<u> </u>		
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.		

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	ı					
Main Success	1. The Use:	r indicates to v	view the details	of a meteorite.		
Scenario:	2. The User finds a list of meteorites through <u>UC-13: Administrator finds meteorites</u> .					
	3. The Use:	r views the lis	t and chooses to	view the details of	one specific met	eorite.
	4. The Syst	•				
	defined i	defined in Associated Information and "Security/access concerns" defined in				
		Rules of this		•		
	5. The Use:	r views the de	tails of this mete	eorite.		
	6. Use case	ends.				
Extensions:	0					
Priority:	High					
Frequency of Use:	Approximatel	ly *** user, av	erage of *** usa	ages per week.		
Business Rules:	Security/access concerns					
	● TBD					
Associated	Details:					
Information:	Property	Data type	Editability	Security/access	Reference to	
	name			concerns	glossary	_
	Meteorite					
	name					
	Descriptio					
	n					
Related Use Cases:	UC-13: Admi	nistrator finds	meteorites	<u> </u>	<u> </u>	_
Trefaced obe cases.	_			is use case After thi	Is lise case slicce	eds the
	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:			Cas, 111C		
	UC-09: Admin can edit meteorite information					
A	UC-	ub: Admin del	etes meteorite in	niormation		
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 ed	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.			
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	1. The User indicates to find educational materials.			
Scenario:				

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Use Cases	Date: 29/09/22					
<document identifier=""></document>				<b>'</b>		
Extensions:	<ol> <li>The System asks the User to enter search values according to "Search criteria" defined in Associated Information of this use case.</li> <li>The User enters one or more search values and confirms she has finished entering.</li> <li>The System finds all educational materials that match the provided search criteria values.</li> <li>The System displays matching educational materials according to the "Search results display strategy" and "Sort criteria" defined in Associated Information of this use case.</li> <li>Use case ends.</li> <li>No matching is found         <ul> <li>The System alerts the User that no matching educational material is found.</li> <li>The User either chooses to UC-07: Request to add instructor tools or terminate</li> </ul> </li> </ol>					
	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					
D		Associated Information of this use case and returns to step 5 of normal flow.  High				
Priority:	High					
Frequency of Use:	Approximately *** user, average of *** usages per week.					
Business Rules: Associated	Security/access concerns					
Information:	Search criteria (aka search fields, search attributes/properties, search details, searchable qualities): TODO					
information:	Search property name	Data type	Options (TODO, What is this?)	Validation rule	Security/access concerns	Reference to glossary
	Educational tool name					
Related Use Cases:	meteorite):  TBD Sort criteria: TBD The User can User may sele actions on the	perform othect any of the selected ite	her actions ne displaye em: strator viev	after this use case d educational mater	After this use cas crial and take any o	e succeeds, the

Assumptions: Open Issues:

• UC-10: Administrator edit teacher/instructor tools

UC-08: Admin deletes instructor tool

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#### **Business Rules**

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