Monnig Meteorite Gallery + Native Earth Native Sky

NaMe Interactive Map Learning Tool Use Cases

Version 1.0

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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		Date Cre	ated:	30/9/22		
Primary Actor:	User		Secondary Ac		2013122		
Trigger:	The User indicates to view the details of a meteorite.						
Description:			letails of a meteor			n learn about th	e material.
Preconditions:		ser is logged in		,			
			ew" privilege. See	Busin	ness Rules	of this use case.	
Postconditions:			pecified meteorite				
Main Success	1. The User	r indicates to vi	ew the details of a	a mete	orite.		
Scenario:			meteorites through				
			and chooses to vie				
			d displays the det				
			nformation and "S	ecurit	y/access co	ncerns" defined	in
		Rules of this u					
			ils of this meteori	ite.			
-	6. Use case		. • •				
Extensions:			outside resources				
			ss to outside resor	urces			
Duianitan	5a2. The user access to outside resources High						
Priority: Frequency of Use:		1, *** ugar aua	rage of *** usage	oc nor i	woolz		
Business Rules:	Security/acces	ss concerns	rage or usage	s per	WCCK.		
Dusiliess Rules.							
	• TBD	<u> </u>					
Associated	Details:	.		0	•	70.0	
Information:	Property name	Data type	Editability	Secur	ity/access	Reference to glossary	
	Meteorite	String	Not editable	conce	1113	grossary	
	Name	8					
	Descriptio	String	Not editable				
	n						
	PDF links	String	Not editable				
Related Use Cases:	UC: Find met	eorites					
			actions after this u				eds, the
	User may take any of the following actions on this <whatever>:</whatever>						
	• UC: Change a <whatever></whatever>						
	• UC: Delete a <whatever></whatever>						
	• UC: View a <whatever2></whatever2>						
	• UC:	View a <whate< td=""><td>ver3></td><td></td><td></td><td></td><td></td></whate<>	ver3>				
Assumptions:							
Open Issues:	I						

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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 th	The User indicates to view the details of a map.			
Description:	The User wants to view the o	letails of a map, so the	at she can get	a better idea of a	region
	or other states.				
Preconditions:	PRE-1. The User is logged in				
	PRE-2. The User has the "vio	<u> </u>			
Postconditions:	POST-1. The details of the s			User.	
Main Success	1. The User indicates to vi				
Scenario:	2. The User finds a list of				
	3. The User views the list				
	4. The System retrieves an				
	defined in Associated In Business Rules of this u		my/access co	oncerns defined in	H
	6. Use case ends.				
Extensions:		o. Obe case chas.			
Priority:	High				
Frequency of Use:	Approximately *** user, ave	rage of *** usages pe	r week.		
Business Rules:	Security/access concerns				
	• TBD				
Associated	Details:				
Information:	Property Data type	Editability Sec	curity/access	Reference to	
Information.	name	•	icerns	glossary	
Related Use Cases:	•				
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 mataoritas by ragion			
	Erika Rebollo DIaz	Date Created:	10/02/2022		
Created By: Primary Actor:	User (General)	Secondary Actors:	System, Map		
	The User indicates to find me	•	System, Map		
Trigger:			a I I am It is massible that the list is		
Description:	•	rned and displayed to th	e User. It is possible that the list is		
Dragonditiona	empty.	ananagad tha man			
Preconditions:	PRE-1. The user successfully				
Postconditions:	POST-1. The map showed th	e requested region.			
Main Success Scenario:	The User indicates t	a find mataaritas			
Scenario.			aluga aggording to "Sparah gritaria"		
		ed Information of this us	alues according to "Search criteria"		
			firms she has finished entering.		
			the provided search criteria values.		
			ccording to the "Search results		
			I in Associated Information of this		
	use case.	u Sort Gritoria dorinio			
	6. Use case ends.				
Extensions:	4a. No matching is found				
	4a1. The System alerts the	e User that no matching	meteorite is found.		
	4a2. The User terminates				
	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 user	rs, as tracked by the sys	tem through use.		
Business Rules:					
Associated	Search results display strateg	y (specify which proper	rties to display for each matching		
Information:	meteorites):				
	• TBD				
	Sort criteria:				
D 1 - 177 - G	• TBD				
Related Use Cases:			e. After this use case succeeds, the		
		splayed meteorites and	take any of the following actions on		
	the selected item:				
	• UC-02: User views	information on meteorit	te		
	 UC-05: Request to a 	add meteorite information	on		
	o oo oo nequest to t		UC-09: Admin can edit meteorite information in database		
	• UC-09: Admin can				
	• UC-09: Admin can	edit meteorite informati tes meteorite informatio			
Assumptions:	• UC-09: Admin can				

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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 li	ke to download education	onal materials provided by the
	Monnig to assist with Elementary, Middle, High school, etc. education in the classroom or		
			gh the OSU/Monnig partnership.
Preconditions:	PRE-1. The instructor had ac	cess to the website.	
Postconditions:	POST-1. The user's browser		
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	e materials.	
	5. Use case ends.		
Extensions:	3a. The System contains no		
		he user that there are no	o 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 trace	k traffic, for research fu	nding and proof of use purposes.

Use Case: Administrator requests to add meteorite information

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

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Crantad Dur	Alberto Gaucin	Date Created:	10-03-2022
Created By:			10-03-2022
Primary Actor:	Administrator (Dr. Mayne)	Secondary Actors:	
Trigger:	The User indicates to create a new <i>meteorite info</i> .		
Description:	The User wants to create a new meteorite info, so that we aren't locked in, can expand the		
D 11:1	number of meteorites on the website.		
Preconditions:	PRE-1. The User is logged in		. D. 1 . C.1 .
	PRE-2. The User has the "cre	eate" privilege. See Bus	iness Rules of this use case.
Postconditions:	POST-1. The new <i>meteorite</i> a		tem.
Main Success	1.The User indicates to create		
Scenario:			is new meteorite info according to
	"Details" defined in Associat		
			nfo and confirms she has finished.
		Jser's inputs according t	to "Details" defined in Associated
	Information of this use case.	d (* 64	
			meteorite info will not duplicate any
	Information of this use case.	aing to "Duplication del	tection rules" defined in Associated
		ataila af tha narr mataar	rite info and calcathe Hear to confirm
	creation.	etails of the new incleor	rite info and asks the User to confirm
		ereation (continues norm	nal flow) or chooses to modify the
	details (return to step 3).	reation (continues norm	nai now) of chooses to mounty the
		meteorite info and info	rms the User that this meteorite info
	has been created.	meteorite into una into	ing the oper that this increases and
		nt actors about the crea	tion of meteorite info according to
	"Notification" defined in Ass		
	10. Use case ends.		
Extensions:	4a. Input validation rule vio	olation	
	4a1. The System alerts the U	ser that an input validat	ion rule is violated and displays the
	nature and location of the err	or.	
	4a2. The User corrects the m	istake and returns to ste	p 4 of normal flow.
	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		
			and returns to step 4 of normal flow or
5	chooses to terminate the use	case.	
Priority:	High	1	
Frequency of Use:	1 user, average of *** usage	per week.	
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> : 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	Deletion strategy: [
Information.		
Information:	Move deleted object including any related objects that are being deleted along with it	
information:	Move deleted object including any related objects that are being deleted along with it from the System to an archive or audit database	
information:	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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information.	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	
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intormation.	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	
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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

The User indicates to create a new <i>instructor info</i> . The User wants to create a new <i>instructor info</i> , so that <i>we aren't locked in, can expand the</i>	
number of tools on the website.	
PRE-1. The User is logged into the system. PRE-2. The User has the "create" privilege. See Business Rules of this use case.	
self, the	
5011, 1110	
ording	
oranig	
finished.	
ıplicate	
ed in	
to	
odify the	
teorite	
1.	
ording	
the	
uie	
exists	
-111040	
ow or	
5a3. The User either chooses to correct the mistake and returns to step 4 of normal flow or chooses to terminate the use case.	
High Approximately 1 user, average of *** usages per week.	
Security/access concerns	
t	

Use Case: Administrator requests to delete teacher/instructor tools

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Г	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:	2022-07-30		
Trigger:	The Admin indicates to delete an existing instructor tool				
Description:	The Admin marks to delete an existing instructor tool				
Preconditions:					
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				
Postconditions.					
Main Success	"Deletion strategy" defined in 1.The User indicates to delete				
			rough <u>UC-04: View educational</u>		
Scenario:	materials.	of this meteorite into th	lough <u>oc-04. View educational</u>		
	3. The User chooses to delete	this motocrite info			
			ied out according to "Data integrity		
			strategy" defined in Associated		
	Information of this use case.	aring objects nanding s	strategy defined in Associated		
		er of the consequences of	of this deletion according to "Data		
			aformation of this use case, warns the		
	User about the deletion, and a				
	6. The User confirms deletion		1.		
			Deletion strategy" and "Referring		
		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.			
		3. 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, avera	ige of *** usages per w	eek.		
Business Rules:	Security/access concerns.				
Associated	Deletion strategy: [
Information:		g any related objects th	at are being deleted along with it		
	from the System to an archive				
	Logic delete: mark a business	s domain object as "dele	eted" but still keep it in the live		
	system, the deleted object wi	ll not be visible or avail	able to all normal functions and		
	users. Logically, "deleted" of	pjects are not supposed	to be "recovered" i.e., they will never		
		dministrative users with	n privileged access can view them		
	(Langlands, 2010)				
]				
	Referring objects handling st				
	do not delete the meteorite as	ssociated with the instru	ctor tool		
	Notification:				
	Specify who to notify and what format				
	The User shall be able to can	cel the use case at any t	ime prior to submitting it.		
Related Use Cases:					
Assumptions:					
Open Issues:					

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

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I	UC ID and Name:	UC-09: Admin requests to ed	dit meteorite on-screen i	nfo
ſ	Created By:	Robby	Date Created:	10/02/2022
ľ	Primary Actor:	Administrator	Secondary Actors:	

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Trigger:	Administrator	indicates to che	ange the de	ails of an av	isting meta	eorite on-se	reen
Triggor.	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						
2 comption.	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:		nges made to the				in the Syste	em.
Main Success		•				•	
Scenario:		 The Administrator indicates to change the details of an existing meteorite on- screen information. 					
		Administrator v					
		Administrator cl	hooses to cl	nange the de	tails of this	meteorite of	on-screen
		mation.	T T .	1 1		•,	
		System asks the					
		mation where a mation and "Se					
	case.		curity/acces	ss concerns	defined in	Dusiliess IV	ules of this use
		Administrator m	nakes chang	es to this me	eteorite on-	screen info	rmation until
		irming that she l					
		System validate			d alerts wa	rning messa	iges according
		Details" defined					
		Administrator a					
		System displays			his meteor	ite on-scree	n information
		alerts the User to			4:		\
		Administrator e				ormai iiow	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 						
		ise case.					
	12. Use	case ends.					
Extensions:		idation rule vio					1 11 1
	6al. The S	System alerts the and location of	e User that a	an input vali	dation rule	is violated	and displays
		Jser corrects the		d returns to	stan 6 of n	ormal flow	
Priority:	High	sei corrects the	iiiistake ai	id returns to	step o or n	ommai mow.	
Frequency of Use:		y 1 user, averag	e of one us	age ner mon	th		
Business Rules:	Security/acce		c of one us	age per mon	tii.		
Associated	Details:						
Information:	Property	Data type	Editabilit	Validation	Effect of	Warning	Reference
	name		y	rule	change		to
	Meteorites	String	editable				glossary
	name	String	Cuitabic				
	Description	String	editable				
	Column "F"		<u> </u>		1:6::	• oth o-: 41-	
	Column Effe	ect of change" si	nows conse	quences of n	10ацісаної	ı oiner inan	saving.
	Notification:						
		.6 1	1 1	c .			
	• Spec	ify who to notify	and what j	ormat			

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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).
	Checks that the input is not empty (empty means a timined input tengin 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</u> : <u>Admin views information on meteorites</u> , 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 reques	sts to edit teacher/instruc	ctor 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 th	e teacher/instructor tool	Is are stored in the System.	
Main Success	The Administrator i	ndicates to change the d	etails of an existing	
Scenario:	teacher/instructor to	ol.	-	
			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 6. The System validate		d alerts warning messages according	
		to "Details" defined in Associated Information of this use case. 7. The Administrator acknowledges the warnings and chooses to continue.		
		The state of the s		
	the Administrator to confirm change.			
		•		
		the details (return to step		
			he 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 vi			
			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.			
D : :	i	e mistake and returns to	step 6 of normal flow.	
Priority:	High	C	.1	
Frequency of Use:	Approximately 1 user, average of one usage per month.			
Business Rules:	Security/access concerns			
Associated Information:				
	IIC: Admin on add to a day	inatmiatar ta =1=		
Related Use Cases:	UC: Admin can add teacher/i	instructor tools		
Assumptions:				
Open Issues:				

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Use Case: Administrator requests to edit meteorite information

UC ID and Name:	UC-11: Admin requests to ed	lit meteorite information	1
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		
Postconditions:	POST-1. Changes made to th	e meteorite are stored in	n the System.
Main Success Scenario:	 The User indicates to change the details of an existing meteorite. The User views the details of this meteorite through UC-13: View a Meteorite. The User chooses to change the details of this meteorite. 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. The User makes changes to this meteorite until confirming that she has finished changing. The System validates the User's changes and alerts warning messages according to "Details" defined in Associated Information of this use case. The User acknowledges the warnings and chooses to continue. The System displays the updated details of this meteorite and alerts the User to confirm change. The User either confirms change (continues normal flow) or chooses to continue to change the details (return to step 5). 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. The System notifies relevant actors about the change of meteorite according to "Notification" defined in Associated Information of this use case. Use case ends. 		
Extensions:	6a. Input validation rule vio		
			idation rule is violated and displays
	the nature and location of		
B * * *	6a2. The User corrects the	e mistake and returns to	step 6 of normal flow.
Priority:	High	C	d
Frequency of Use:	Approximately 1 user, average of one usage per month.		
Business Rules:	Security/access concerns		
Associated			
Information:	1 12 12 11 11		
Related Use Cases:	UC-13: Admin can edit mete	orite on-screen info	
Assumptions:			
Open Issues:			

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Use Case: Administrator requests to view 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 educations: PRE-1. The Administrator is logged into the System Postconditions: 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 indicates to view the details of an educational material. 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. High Frequency of Use: Approximately *** user, average of *** usages per week. Business Rules: Security/access concerns Details: Property Data type Editability Security/access Reference to glossary 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	HOID IN	IIC 12 A 1 : : 1				
Primary Actor: Administrator Secondary Actors:	UC ID and Name:	UC-12: Admin views educational materials				
Trigger: The User indicates to view the details of an educational material. 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 rinds 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: Property Data type Editability Security/access Reference to 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 tools Assumptions:						
Description: Preconditions: PRE-1. The Administrator is logged into the System Postconditions: POST-1. Changes made to the educational material are stored in the System. Post-1. The Administrator is logged into the System Postconditions: 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: Business Rules: Accurity/access concerns Details: Property Data type Editability Security/access 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						
Idea of an educational material. Preconditions: PRE-1. The Administrator is logged into the System						
Preconditions: Postconditions: I The Admin indicates to view the details of an educational material. I The Admin finds a list of educational materials I The Admin views the list and chooses to view the details of one specific educational material. I 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. Extensions: 6. Use case ends. 6. Use case ends. 6. Input validation rule violation 6. In Posystem alerts the User that an input validation rule is violated and displays the nature and location of the error. 6. In User corrects the mistake and returns to step 6 of normal flow. Priority: Frequency of Use: Approximately *** user, average of *** usages per week. Security/access concerns Associated Information: Property Data type Editability Security/access Reference to concerns Postalis: Property Data type Editability Security/access Reference to concerns Postalis: Property Data type Editability Security/access Reference to concerns Postalis: Property Data type Editability Security/access Reference to concerns glossary 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 tools Assumptions:	Description:			al material, s	so that she can g	et a better
Postconditions: Postconditions: Post-1. Changes made to the educational material are stored in the System.	D 11/1					
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. 6. Input validation rule violation 6a. Input validation rule violation 6a. 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: 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					4 0 1	
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 according to "Details" defined in Business Rules of this use case. 5. The Admin views the details of this educational material. 6. Use case ends. 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 Information: Details: Property Data type Editability Security/access Reference to glossary Details: Property Data type 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	Postconditions:	POS1-1. Changes made to the	ne educational material	are stored 1	n the System.	
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 Information: Property Data type Editability Security/access Reference to glossary Details: Property name Data type Editability Security/access Reference to glossary Uc-08: Admin deletes instructor tool UC-10: Administrator edit teacher/instructor tools Assumptions:					material.	
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. 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: Details: Associated Information: Property Data type Editability Security/access Reference to glossary Property name Concerns 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:	Scenario:					
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. 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: Security/access concerns Associated Information: Property Data type Editability Security/access Reference to 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			st and chooses to view	the details of	of one specific e	ducational
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. 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: Frequency of Use: Business Rules: Associated Information: Associated Information: 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:			d displays the details	of this advas	tional material	accrdina
defined in Business Rules of this use case. 5. The Admin views the details of this educational material. 6. Use case ends. 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: Property Data type Editability Security/access glossary Reference to 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						
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: Property Data type Editability Security/access Reference to 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				i and Secui	ity/access conce	21113
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 Information: Property Data type Editability Security/access Reference to 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 Assumptions:				al material		
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: Property Data type Editability Security/access 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:			owns of this oddownon			
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: Property Data type Editability Security/access 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:	Extensions:	6a. Input validation rule vi	olation			
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: Property Data type Editability Security/access Reference to 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:				lidation rule	e is violated and	displays
Priority: High Frequency of Use: Approximately *** user, average of *** usages per week. Business Rules: Security/access concerns Associated Information: Property Data type Editability Security/access 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:						1 3
Frequency of Use: Approximately *** user, average of *** usages per week. Business Rules: Security/access concerns Associated Information: Property Data type Editability Security/access 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:		6a2. The User corrects the	e mistake and returns	o step 6 of i	normal flow.	
Business Rules: Security/access concerns Associated Information: Property Data type Editability Security/access Reference to 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	Priority:	High				
Associated Information: Details:	Frequency of Use:	Approximately *** user, ave	erage of *** usages per	week.		
Information: Property Data type Editability Security/access Reference to glossary	Business Rules:	Security/access concerns				
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:	Associated	Details:				
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:	Information:			•		
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:						
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:						7
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:	Related Use Cases:	The User can perform other actions after this use case. After this use case succeeds, the				
UC-10: Administrator edit teacher/instructor tools Assumptions:						
UC-10: Administrator edit teacher/instructor tools Assumptions:		UC-08: Admin deletes instructor tool				
Assumptions:						
		UC-10: Administra	tor edit teacher/instruc	tor tools		
Open Issues:	Assumptions:					
	Open Issues:					

Use Case : Administrator requests to find a specific meteorite

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

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Duine ame A at an	A dusinistants		Car	andam Astana			
Primary Actor:	Administrato			condary Actors:			
Trigger:		The User indicates to find meteorites.					
Description:	The User wants to find meteorites which match specific criteria, so that she can decide						
TD 11:1		what to do next or other < <i>rationale of this use case</i> >.					
Preconditions:				l into the System			
Postconditions:			ng meteori	tes is returned and	displayed to the Us	er. It is possible	
	that the list is						
Main Success		r indicates t					
Scenario:				nter search values a		n criteria"	
				tion of this use case			
				earch values and co			
				s that match the pro			
				meteorites according			
			criteria de	fined in Associated	information of thi	s use case.	
Extensions:	6. Use case		J				
Extensions:	4a. No match			that no matching m	etaorita is found		
				that no matching m UC-05: Request to		mation or	
				to step 2 of normal		mation of	
				fferent set of prop		natching	
	meteorites	chooses to	sciect a ui	merent set of prop	erties to display in	iatening	
		System disp	lavs the cu	rrent "Search result	s display strategy.	,	
				ed "Search results of			
				step 5 of normal flo			
	5b. The User						
	5b1. The	User re-sort	s the searc	n result according to	o "Sort criteria" det	fined in	
	Associate	d Information	on of this u	se case and returns	to step 5 of normal	l flow.	
Priority:	High						
Frequency of Use:	Approximate	ly *** user,	average of	*** usages per we	ek.		
Business Rules:	Security/acce						
Associated			h fields, se	arch attributes/prop	erties, search detai	ls, searchable	
Information:	qualities): TC		1				
	Search	Data type	Options (TODO,	Validation rule	Security/access	Reference to	
	property name		What is		concerns	glossary	
			this?)				
	Meteorite	String		less than			
	name region	String					
	region	String					
	C 1 14-	. 1:1	-4	::C1::-1:	- 4 - 4: 1 C	14.1.1	
	Search results display strategy (specify which properties to display for each matching meteorite):						
	• TBD						
	Sort criteria:						
	• TBD						
Related Use Cases:			her actions	after this use case	After this use case	succeeds the	
11014104 050 04505.	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						
	User may sele	ect anv of th	ie displave	d meteorites and tal	ce any of the follow	ving actions on	
	User may seld the selected it		ie displaye	d meteorites and tal	ce any of the follow	ving actions on	
	the selected it	tem:		d meteorites and tal	ce any of the follow	ving actions on	

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

Use Case: Administrator requests to view all meteorites

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

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Description:			details of a mete	eorite, so that she ca	an get a better idea	ı of
	meteorite or o					
Preconditions:			into the System.			
Postconditions:				rite are displayed to	the User.	
Main Success			view the details of			
Scenario:				ugh <u>UC-13: Admin</u>		
				view the details of		
				details of this meteo		
				"Security/access co	oncerns" defined in	n
		Rules of this				
			tails of this mete	eorite.		
	6. Use case	e ends.				
Extensions:						
Priority:	High					
Frequency of Use:		•	erage of *** usa	ages per week.		
Business Rules:	Security/acce	ss 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	inistrator finds	meteorites	I		
Tenanca ese euses.	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	Robby Dai Date Created: 10/24/22				
Primary Actor:	Administrator	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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Preconditions:	PRF-1 The A	dministrate	or is logged	l into the System		
Postconditions:	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					
i osteoliditions.	that the list is empty.					
Main Success	The User indicates to find educational materials.					
Scenario:					ording to "Search c	riteria" defined
Section 10.	in Associated				ording to Scaren e	interia definica
					irms she has finishe	ed entering.
					ch the provided sear	
	values.				•	
	5. The System	displays n	natching ed	lucational material	s according to the "	Search results
			ort criteria"	defined in Associa	ated Information of	this use case.
	6. Use case er					
Extensions:	4a. No match					
					ducational material	
					add instructor tools	s or terminate
				f normal flow.	nautias ta display p	aatahina
	meteorites	cnooses to	select a di	merent set of proj	perties to display n	natening
		lystem disr	lave the cu	rrent "Search resul	ts display strategy.'	,
					display strategy," co	
				step 5 of normal fl		oniming sine mas
	5b. The User					
	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:			average of	f *** usages per w	eek.	
Business Rules:	Security/acces					
Associated	Search criteria (aka search fields, search attributes/properties, search details, searchable					
Information:	qualities): TO Search	DO Data type	Options	Validation rule	Security/access	Reference to
	property	Data type	(TODO,	v andation i die	concerns	glossary
	name		What is			
	Educational		this?)			
	tool name					
					<u> </u>	
	Search results display strategy (specify which properties to display for each matching					
	meteorite):					
	• TBD					
	Sort criteria:					
	• TBD					
Related Use Cases:			her actions	after this use case	After this use case	succeeds the
Related Osc 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-13: Administrator views an educational material UC-07: Request to add instructor tools 					
		-			toola	
	UC-10: Administrator edit teacher/instructor tools					

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	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