Group:	Rory, Stevens. Alan, Velasquez. Ogaga, Obrimah. Tim, Mucha. John, McDaniel.
Use Case Name:	Database Entry for UFO Database Application
Description:	This software allows the entry of UFO sightings into the UFO database by users.
Actor:	User
Entry condition:	The User selects "Report Sighting" after already being logged in
Basic path:	1. The system presents three options: - New Sighting - Corroborate a sighting **[A01]** - Search a sighting **[A02]** 2. The actor selects the "New sighting" option [**PRO01**] Fields for entry: - Date - Time - Location (nearest town or LAT, LONG) - Description 3. The actor selects the confirmation button for form submittal **[A03][E01]**
	[A01] The actor selects the "Corroborate a sighting" option 1. The system presents a map/list of sighting records - System presents: - filters to find sightings for an area 2. Actor selects a sighting record - Checkboxes for actor to confirm each field value is correct **[PRO02]** - Button for "Submit corroboration" **[A03]** 3. The corroboration number for a sighting is incremented for each user that submits a corroboration **[A02] The actor selects "Search a sighting" option** 1. The system presents a basic search bar for keyword search with an advanced search button **[PRO3][A03]** - Advanced search option has filter conditions

	2. The actor selects "Search" to complete their search **[E01]**
	3. The system returns search results for their query
	4. The system presents a "Report a similar sighting" option for search criteria
	    - The system returns to Basic Path
	
	[A03] actor goes back in the window
	
	    1. The system returns to the Basic Path Step 1

Exception path:	**[E01]** Invalid Entry in Field 1. System displays message indicating the existence of invalid information. 2. Error message denoting which field is incorrect: time, date, location, or empty description. 3. The use case returns to step 1 of the basic path.
Business Rules:	**[BR01]** All entry fields are mandatory **[BR02]** All sighting records have auto-generated unique sighting IDs
Data description	**Sighting Object**

Sighting Object

Name	Type	Length	Mask
Date	Object		XX/XX/XXXX
Time	Object		XX:XX
Location	Object		
Description	String	500	

Date Object

Name	Type	Length	Mask
Year	int	4	
Month	int	2	
Day	int	2	

Location Object

Name	Type	Length	Mask
Latitude	Double	#2 . #6, so 8	##.######
Longitude	Double	#3 . #6, so 9	###.######
State	String	13	
City	String	30	

Time Object

Name	Type	Length	Mask
Hour	int	2	
Minute	int	2	

Prototype: **[PRO1]**

Report a New Sighting

Date:

Time:

Location: [Map]

Description:

Submit

[PRO2]

Corroborate a Sighting

Confirm

Date: March 14th, 2024 ☐

Time: 11:59 PM ☐

Location: Richmond, VA [See exact coordinates](#) ☐

Description:
Large white light flash in the night sky followed by a fleet of rapidly moving orbs piloted by green figures o.o spooky ☐

[Submit]

[PRO3]

Search for UFO Sightings

| Search | 🔍 |

[Search by Map]