TCU Computer Science

SuperFrog Scheduler
Use Cases

Version <1.0>

[Note: Text enclosed in square brackets and displayed in blue italics is included to provide guidance to the author and should be deleted before publishing the document.]

SuperFrog Scheduler	Version: <1.0>
Use Cases	Date: <dd/mmm/yy>
<document identifier>	

Revision History

Date	Version	Description	Author
<dd/mmm/yy>	<x.x>	<details>	<name>

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Use Cases

This section talks about instructions of writing use cases.

Use Case ID and Name
Give each use case a unique integer sequence number identifier. State a concise name for the use case that indicates the value the use case would provide to some user. Begin with an action verb, followed by an object. For example, UC-1: enroll in a course.

Author and Date Created
Enter the name of the person who initially wrote this use case and the date it was written.

Primary and Secondary Actors
An actor is a person or other entity external to the software system being specified who interacts with the system and performs use cases to accomplish tasks. Different actors often correspond to different user classes or roles, identified from the customer community that will use the system-to-be. Name the primary actor that will be initiating this use case and any other secondary actors who will participate in completing execution of the use case.

Trigger
Identify the business event, system event, or user action that initiates the use case. This trigger alerts the system that it should begin testing the preconditions for the use case so it can judge whether to proceed with execution.

Description
Provide a brief description of the reason for and outcome of this use case, or a high-level description of the sequence of actions and the outcome of executing the use case.

Preconditions
List any activities that must take place, or any conditions that must be true, before the use case can be started. The system must be able to test each precondition. Label each postcondition in the form PRE-X, where X is a sequence number. Example: PRE-1: User's identity has been authenticated.

Postconditions
Describe the state of the system at the successful conclusion of the use case execution. Label each postcondition in the form POST-X, where X is a sequence number. Example: POST-1: Price of item in the database has been updated with the new value.

Main Success Scenario/Normal Flow
Provide a description of the user actions and corresponding system responses that will take place during execution of the use case under normal, expected conditions. This dialog sequence will ultimately lead to accomplishing the goal stated in the use case name and description. Show a numbered list of action steps performed by the actor, alternating with responses provided by the system. An action step is either an interaction between two actors ("The Customer enters address info into the system.") or a validation step to protect interest of a stakeholder ("The System validates the PIN code.") or an internal change to satisfy a stakeholder ("The System deducts amount from balance.").

Extensions:
Extensions work this way. Each action step in the main success scenario may branch because of a particular condition. The condition can be either an alternative success scenario or an exception. Write down the condition and then write the action steps that handle it. The condition and its handling steps are called an extension. It is possible that an action step in the main success scenario may have multiple extensions.
- ***Alternative Success Scenarios***

Document other successful usage scenarios that can take place within this use case. State the alternative success scenario as the condition. Number each alternative success scenario in the form "XY", where "X" is a number that references an action step in the main success scenario and "Y" is a letter that identifies an alternative success scenario for that action step. For example, "5b" would indicate the second alternative success scenario for action step 5.

- ***Exceptions***
  Describe any anticipated error conditions that could occur during execution of the use case and how the system responds to those conditions. Number each exception handling flow in the form "XY", where "X" is a number that references an action step in the main success scenario and "Y" is a letter that identifies an exception for that action step. For example, "5b" would indicate the second exception for action step 5.

Priority
Indicate the relative priority of implementing the functionality required to allow this use case to be executed. Use the same priority scheme as that used for the functional requirements.

Frequency of Use
Estimate the number of times this use case will be performed per some appropriate unit of time. This gives an early indicator of throughput, concurrent usage loads, and transaction capacity.

Business Rules
List any business rules that influence this use case. Don't include the business rule text here, just its identifier so the reader can find it in another repository when needed.

Associated Information
Identify any additional requirements, such as quality attributes, for the use case that may need to be addressed during design or implementation. Also list any associated functional requirements that aren't a direct part of the use case flows but which a developer needs to know about. Describe what should happen if the use case execution fails for some unanticipated or systemic reason (e.g., loss of network connectivity, timeout). If the use case results in a durable state change in a database or the outside world, state whether the change is rolled back, completed correctly, partially completed with a known state, or left in an undetermined state as a result of the exception.

Assumptions
List any assumptions that were made regarding this use case or how it might execute.

Use Case List

Primary Actor	Use Cases
Customer	UC 1: Request a SuperFrog appearance UC 2: Edit request details UC 3: Cancel a submitted request
Spirit Director	UC 4: Approve/reject an appearance request UC 5: Request a SuperFrog appearance for TCU events UC 6: Find appearance requests UC 7: View an appearance request UC 8: Edit an appearance request UC 9: Assign a SuperFrog Student to an approved request UC 10: Change the SuperFrog Student sign-up of an assigned request UC 11: Cancel a SuperFrog Student sign-up of an assigned request UC 12: Cancel an approved appearance request UC 13: Create an account for a new SuperFrog Student UC 14: Deactivate the account of a SuperFrog Student UC 15: Find SuperFrog Students

	UC 16: View a SuperFrog Student account
	UC 17: Manage the Spirit Team calendar
	UC 18: Generate TCU Honorarium (Payment for services) Request Forms
	UC 19: Generate a SuperFrog Students performance report
	UC 25: Reverse an approval/rejection decision of an appearance request
	UC 26: Mark an appearance as incomplete
SuperFrog Student	UC 20: Edit profile information
	UC 21: Manage personal schedule
	UC 22: Sign up an appearance
	UC 23: Cancel an appearance sign-up
	UC 24: Mark an appearance as completed

Use Case 1: The Customer requests a SuperFrog appearance

UC ID and Name:	UC-1: Request a SuperFrog appearance		
Created By:		Date Created:	
Primary Actor:	Customer	Secondary Actors:	Spirit Director
Trigger:	The Customer indicates to request a SuperFrog appearance for an event.		
Description:	The Customer wants to request a SuperFrog appearance for an event, so that a SuperFrog can show up and entertain the guests during the event.		
Preconditions:			
Postconditions:	POST-1. The new request is stored in the System with a status of "Pending".		
Main Success Scenario:	1. The Customer indicates to request a SuperFrog appearance for an event. 2. The System displays available date and time. (see BR-1) 3. The Customer views and selects an available date and time. 4. The System asks the Customer to enter details of this new request according to the "Details" defined in the Associated Information of this use case. 5. The Customer enters details of this new request and confirms that she has finished. 6. The System validates the Customer's inputs according to the "Details" defined in the Associated Information of this use case. 7. The System validates that the creation of the new request will not duplicate any existing request according to the "Duplication detection rules" defined in the Associated Information of this use case. 8. The System displays the details of the new request, terms & conditions of a TCU Spirit Appearance, total cost (SuperFrog cost and mileage cost, see BR-7 and BR-8), and asks the Customer to confirm the creation. 9. The Customer either agrees to the terms & conditions of a TCU Spirit Appearance and confirms the creation (continues the normal flow) or chooses to modify the details (returns to step 5). 10. The System saves the new request, marks it as "Pending", and informs the Customer that this request has been created. 11. The System notifies relevant actors about the creation of the request according to the "Notification" defined in the Associated Information of this use case. 12. Use case ends.		
Extensions:	**6a. Input validation rule violation:** 6a1. The System alerts the Customer that an input validation rule is violated and displays the nature and location of the error. 6a2. The Customer corrects the mistake and returns to step 6 of the normal flow. **7a. The System finds possible duplicates from the existing requests:** 7a1. The System alerts the Customer that the request she is trying to create already exists in the System. 7a2. *<Specify how to handle it here>*. 7a3. The Customer either chooses to correct the mistake and return to step 6 of the normal flow or chooses to terminate the use case.		
Priority:	High		
Frequency of Use:	Approximately *** user, average of 2 usages per week.		
Business Rules:			
Associated Information:	Details:		

Details:

Property name	Data type	Editability	Validation rule	Effect of change	Reference to glossary
First name	String	Yes	Required		
Last name	String	Yes	Required		

	Phone number	String	Yes	Required, (999) 999-9999 format		
	Email	String	Yes	Required, valid email		
	Type of the event	String	Yes	Required, see BR-3		
	Event title	String	Yes	Required		
	Name of the organization	String	Yes	Required		
	Event address (street, suite/room/floor, city, state, postal code)	String	Yes	Required, valid US address format Event location must be within 100-mile radius from Amon G. Carter Stadium, see BR-2, BR-8		
	Whether on TCU campus or not	String	Yes	Required		
	Special instructions (parking, gate code, location for spirit members to change/ keep belongings)	String	Yes	Required		
	Any expenses or benefits to the spirit team members	String	Yes	Required		
	Any other outside organizations involved in sponsoring the event	String	Yes	Required, see BR-3		
	Detailed event description	String	Yes	Required, see BR-3		

Duplication detection rules:
- *Identifiers (A set of properties to prevent duplicate creation)*

Notification:
- The System sends the Customer an email message confirming the submitted request <*Specify the format and content*>. The email contains a unique identifier for this request.
- The System sends a notification to the Spirit Director <*Specify the format and content*>.

A basic set of commonly used constraints:
Checks that the input is not empty (empty means trimmed input length is 0).
Date:
- *Checks whether the input date is in a predefined format*
- *Checks whether the input date is in the future*
- *Checks whether the input date is in the present or in the future*
- *Checks whether the input date is in the past*
- *Checks whether the input date is in the past or in the present*
- *Checks whether the input date is in between a date range*

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 Customer shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases	
Assumptions:	
Open Issues:	

Use Case 2: The Customer edits request details

UC ID and Name:	UC-2: Edit request details		
Created By:		Date Created:	
Primary Actor:	Customer	Secondary Actors:	Spirit Director, SuperFrog Student
Trigger:	The Customer indicates to edit a submitted SuperFrog appearance request.		
Description:	The Customer wants to edit a submitted SuperFrog request, so that she can provide the most recent SuperFrog request information to the TCU Spirit Team.		
Preconditions:	PRE-1. A request of the Customer has been submitted to the System and is in either "Pending" or "Approved" or "Assigned" status. See BR-15.		
Postconditions:	POST-1. Changes made to the request are stored in the System.		
Main Success Scenario:	1. The Customer indicates to change the details of an existing SuperFrog appearance request. The Customer provides the unique identifier of the request to the System. 2. The System retrieves the specified request and displays it to the Customer. 3. The Customer chooses to change the details of this request. 4. The System asks the Customer to make changes to this request where allowed according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 5. The Customer makes changes to this request until she confirms that she has finished changing. 6. The System validates the Customer's changes and alerts warning messages according to the "Details" defined in the Associated Information of this use case. 7. The Customer acknowledges the warnings and chooses to continue. 8. The System displays the updated details of this request, the terms & conditions of a TCU Spirit Appearance, and alerts the Customer to confirm the change. 9. The Customer either agrees to the terms & conditions of a TCU Spirit Appearance and confirms the change (continues the normal flow) or chooses to continue to change the details (returns to step 5). 10. The System saves the changes, carries out the effect of change according to the "Details" defined in the Associated Information of this use case, and informs the Customer that this request has been changed. 11. The System notifies relevant actors about the change of request according to the "Notification" defined in the Associated Information of this use case. 12. Use case ends.		
Extensions:	**6a. Input validation rule violation:** 6a1. The System alerts the Customer that an input validation rule is violated and displays the nature and location of the error. 6a2. The Customer corrects the mistake and returns to step 6 of the normal flow.		
Priority:	High		
Frequency of Use:	Approximately *** user, average of *** usages per week.		
Business Rules:	BR-15		
Associated Information:	Details: (see table below)		

Details:

Property name	Data type	Editability	Validation rule	Effect of change	Warning	Reference to glossary
First name	String	Yes	Required	No change to the status of the request		
Last name	String	Yes	Required	No change to the status of the request		

	Phone number	String	Yes	Required, (999) 999-9999 format	No change to the status of the request		
	Email	String	Yes	Required , valid email	No change to the status of the request		
	Date and time		Yes	Date and time must be "Available date and time" which means there is at least one SuperFrog Student that is open during that date and time, see BR-1	Mark request as "Pending" and cancel current SuperFrog sign-up		
	Type of the event	String	Yes	Required, see BR-3	Mark request as "Pending" and cancel current SuperFrog sign-up		
	Event title	String	Yes	Required	Mark request as "Pending" and cancel current SuperFrog sign-up		
	Name of the organization	String	Yes	Required	Mark request as "Pending" and cancel current SuperFrog sign-up		
	Event address (street, suite/room/floor, city, state, postal code)	String	Yes	Required, valid US address format Event location must be within 100-mile radius from Amon G. Carter Stadium, see BR-2, BR-8	Mark request as "Pending" and cancel current SuperFrog sign-up		
	Whether on TCU campus or not	String	Yes	Required	Mark request as "Pending" and cancel current SuperFrog sign-up		
	Special instructions (parking, gate code, location for spirit members to change/ keep belongings)	String	Yes	Required	No change to the status of the request		
	Any expenses or benefits to the spirit team members	String	Yes	Required	Mark request as "Pending" and cancel current		

				SuperFrog sign-up		
Any other outside organizations involved in sponsoring the event	String	Yes	Required, see BR-3	Mark request as "Pending" and cancel current SuperFrog sign-up		
Detailed event description	String	Yes	Required, see BR-3	Mark request as "Pending" and cancel current SuperFrog sign-up		

Column "Effect of change" shows consequences of change other than saving.

Warning:
- The System warns the Customer that making changes to Date and time, Type of the event, Event title, Name of the organization, Event address, Whether on TCU campus or not, Any expenses or benefits to the spirit team members, Any other outside organizations involved in sponsoring the event, and Detailed event description will result in the Spirit Director reviews and approves the request again even if the request has been approved.

Effect of changes: Mark the request as "Pending" and cancel the current SuperFrog sign-up:
- The System marks the request as "Pending" and cancels the SuperFrog sign-up related to this modified request and notifies the SuperFrog Student who signed up for this request.

Notification:
- The System sends the Customer an email message confirming the modified request.
- The System sends notification to the Spirit Director.
- The System sends notification to the assigned SuperFrog Student.

A basic set of commonly used constraints:
Checks that the input is not empty (empty means trimmed input length is 0).
Date:
- *Checks whether the input date is in a predefined format*
- *Checks whether the input date is in the future*
- *Checks whether the input date is in the present or in the future*
- *Checks whether the input date is in the past*
- *Checks whether the input date is in the past or in the present*
- *Checks whether the input date is in between a date range*

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 Customer shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 3: The Customer cancels a submitted request

UC ID and Name:	UC-3: Cancel a submitted request
Created By:	Date Created:
Primary Actor:	Customer	Secondary Actors:	Payment System, Spirit Director, SuperFrog Student
Trigger:	The Customer indicates to cancel a submitted SuperFrog appearance request.
Description:	The Customer wants to cancel a request so that she can inform the TCU Spirit Team that she no longer wants a SuperFrog appearance.
Preconditions:	PRE-1. A request of the Customer has been submitted to the System and is in either "Pending" or "Approved" or "Assigned" status.
Postconditions:	POST-1. The request is updated in the System with a status of "Canceled by the customer".
Main Success Scenario:	1. The Customer indicates to cancel a submitted SuperFrog appearance request. The Customer provides the unique identifier of the request to the System. 2. The System retrieves the specified request and displays it to the Customer. 3. The Customer views the details of the request and chooses to cancel the request. 4. The System displays the cancellation policy and asks the Customer to confirm the cancellation. (See BR-13) 5. The Customer reads and agrees with the cancellation policy. 6. The Customer confirms the cancellation. 7. The System marks the request as "Canceled by the customer". 8. The System has the Payment System process refund. 9. The System notifies relevant actors about the cancellation according to the "Notification" defined in the Associated Information of this use case. 10. Use case ends.
Extensions:	**7a. Canceling an approved request which has already been signed up by a SuperFrog Student:** 7a1. The System marks the request as "Canceled by the customer". 7a2. The System cancels the SuperFrog sign-up related to this request and returns to step 8 of the normal flow. **8a. The Customer has not made a payment yet:** 8a1. Returns to step 9 of the normal flow. **8b. The cancellation is within 24 hours of the event date and time:** 8b1. Returns to step 9 of the normal flow.
Priority:	High
Frequency of Use:	Approximately *** users, average of one usage per day.
Business Rules:	BR-13
Associated Information:	Notification: ● The System sends the Customer an email message confirming the request has been canceled. ● The System sends a notification to the Spirit Director. ● The System sends a notification to the assigned SuperFrog Student. The Customer shall be able to cancel the process at any time prior to submitting it.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 4: The Spirit Director approves/rejects an appearance request

UC ID and Name:	UC-4: Approve/reject an appearance request
Created By:		Date Created:	
Primary Actor:	Spirit Director	Secondary Actors:	Customer, SuperFrog Student
Trigger:	The Spirit Director indicates to approve/reject a SuperFrog appearance request submitted by a Customer.
Description:	The Spirit Director wants to approve or reject a SuperFrog appearance request at least 5 days before the event date and time, so that the Customer will get a decision on her request and SuperFrog Students have enough time to sign up if the request is approved.
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. There exists at least one "Pending" request in the System. PRE-3. The User has the "admin" privilege.
Postconditions:	POST-1. The "Pending" request is updated in the System with a status of either "Approved" or "Rejected". POST-2. If approved, the request is added to the Spirit Team calendar so that the requested date and time becomes unavailable to future requests.
Main Success Scenario:	1. The Spirit Director indicates to approve/reject a SuperFrog appearance request submitted by a Customer. 2. The Spirit Director views the details of this "Pending" appearance request through UC-7: View an appearance request. 3. The Spirit Director chooses to approve the request. 4. The System shows a list of competing "Pending" requests, alerts the Spirit Director that this approval will automatically reject other competing "Pending" requests (See BR-10), and asks the Spirit Director to confirm the approval. 5. The Spirit Director confirms the approval. 6. The System updates the status of the request from "Pending" to "Approved". 7. The System adds the request to the Spirit Team calendar and automatically rejects other competing "Pending" requests. (See BR-10) The rejection reason will be "Date and time not available any more". 8. The System notifies relevant actors about the approval of the request according to the "Notification" defined in the Associated Information of this use case. 9. Use case ends.
Extensions:	**3a. The Spirit Director chooses to reject this request (See BR-2, BR-3, BR-4, BR-5):** 3a1. The System asks the Spirit Director to confirm the rejection. 3a2. The Spirit Director confirms the rejections and enters a reason. 3a3. The System updates the status of the request from "Pending" to "Rejected". 3a4. The System notifies the Customer of the decision and the reason. 3a5. The Spirit Director either decides to approve another request and return to step 1 of the normal flow or decides to terminate the use case. **5a. The Spirit Director decides to cancel the approval:** 5a1. Returns to step 1 of the normal flow or decides to terminate the use case.
Priority:	High
Frequency of Use:	Approximately *** users, average of one usage per day. Peak usage load for this use case is between 9:00 A.M. and 10:00 A.M. local time.
Business Rules:	BR-6 and BR-10
Associated Information:	Notification: ● The System notifies the Customer of the decision. A link for payment is also included in the notification.

	● The System notifies all SuperFrog Students that a new "Approved" request needs sign-up.
Related Use Cases:	
Assumptions:	
Open Issues:	The spirit director needs to be reminded to approve/reject requests everyday according to BR-6.

Use Case 5: The Spirit Director requests a SuperFrog for TCU events

UC ID and Name:	UC-5: Request a SuperFrog appearance for TCU events		
Created By:		Date Created:	
Primary Actor:	Spirit Director	Secondary Actors:	SuperFrog Student
Trigger:	The Spirit Director indicates to request a SuperFrog appearance for a TCU event.		
Description:	The Spirit Director wants to request a SuperFrog appearance for a TCU event such as sporting event or student orientation, so that a SuperFrog can show up and entertain the guests during the event.		
Preconditions:	PRE-1. The Spirit Director is logged into the System.		
Postconditions:	POST-1. The request is stored in the System with a status of "Assigned" or "Approved".		
Main Success Scenario:	1. The Spirit Director indicates to request a SuperFrog appearance for a TCU event. 2. The System displays available date and time. (see BR-1) 3. The Spirit Director views and selects an available date and time. 4. The System asks the Spirit Director to enter details of this new request according to the "Details" defined in the Associated Information of this use case. 5. The Spirit Director enters the details of this new request and confirms that she has finished. 6. The System validates the Spirit Director's inputs according to the "Details" defined in the Associated Information of this use case. 7. The System asks the Spirit Director to assign this appearance to a SuperFrog Student by prompting a list of available SuperFrog Students. 8. The Spirit Director assigns this appearance to a SuperFrog Student in the list. 9. The System displays the details of the new request, assigned SuperFrog Student, and asks the Spirit Director to confirm the creation. 10. The Spirit Director either confirms the creation (continues the normal flow) or chooses to modify the details (returns to step 5). 11. The System saves the new request, marks it either as "Assigned" or "Approved" based on the Spirit Director's choice in step 8, and informs the Spirit Director that this request has been created. 12. The System notifies relevant actors about the creation of the request according to the "Notification" defined in the Associated Information of this use case. 13. Use case ends.		

Extensions:	**6a. Input validation rule violation:**
	    6a1. The System alerts the Spirit Director that an input validation rule is violated and displays the nature and location of the error.
	    6a2. The Spirit Director corrects the mistake and returns to step 6 of the normal flow.
	8a. The Spirit Director chooses to skip this step and let SuperFrog Students sign up for this event:
	    8a1. Returns to step 9 of the normal flow.		

Priority:	High		
Frequency of Use:	1 user, average of 1 usage per week.		
Business Rules:			

Associated Information:	Details:
	    ● Same as the "Details" defined in the Associated Information of UC-1: Request a SuperFrog appearance.
	Notification:
	    ● The System sends the Spirit Director an email message confirming the request.		

	The System either notifies the assigned SuperFrog Student about the assignment or notifies all SuperFrog Students to sign up for this appearance based on the Spirit Director's choice in step 8. The Spirit Director shall be able to cancel the requesting process at any time prior to submitting it.
Related Use Cases	
Assumptions:	
Open Issues:	

Use Case 6: The Spirit Director/SuperFrog Student finds appearance requests

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

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

Priority:	High
Frequency of Use:	Approximately 10 users, average of 20 usages per week.
Business Rules:	
Associated Information:	Search criteria (aka search fields, search attributes/properties, search details, searchable qualities):

Search property name	Data type	Required	Validation rule
ID	String	No	
Event date or Date range	Date	No	
Event title	String	No	
Customer first and last name	String	No	
Request status	Enum	No	
Assigned SuperFrog Student	String	No	

	Search results display strategy (specify which properties to display for each matching an appearance request): • Event date • Event title • Customer first and last name • Customer phone and email • Request status • Assigned SuperFrog Student Sort criteria: • By time (default) • By Event title • By Customer first and last name • Request status • By SuperFrog Student
Related Use Cases:	The User can perform other actions after this use case. After this use case succeeds, the User may select any of the displayed appearance requests and take any of the following actions on the selected item: • UC-4: Approve/reject an appearance request • UC-5: Request a SuperFrog appearance for TCU events • UC-7: View an appearance request • UC-8: Edit an appearance request • UC-12: Cancel an approved request
Assumptions:	
Open Issues:	

Use Case 7: The Spirit Director/SuperFrog Student views an appearance request

UC ID and Name:	UC-7: View an appearance request

Created By:		Date Created:	
Primary Actor:	User (Spirit Director or SuperFrog Student)	Secondary Actors:	

Trigger:	The User indicates to view the details of an appearance request.
Description:	The User wants to view the details of an appearance request, so that she can get a better idea of this appearance request.
Preconditions:	PRE-1. The User is logged into the System.
Postconditions:	POST-1. The details of the specified appearance request are displayed to the User.
Main Success Scenario:	1. The User indicates to view the details of an appearance request. 2. The User finds a list of appearance requests through UC-06: Find appearance requests. 3. The User views the list and chooses to view the details of one specific appearance request. 4. The System retrieves and displays details of this appearance request according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 5. The User views the details of this appearance request. 6. Use case ends.
Extensions:	
Priority:	High
Frequency of Use:	Approximately *** user, average of *** usages per week.
Business Rules:	Security/access concerns ● The User can access all the information of an appearance request.
Associated Information:	Details: ● Same as the "Details" defined in the Associated Information of UC-01: Request a SuperFrog appearance
Related Use Cases:	UC-06: Find appearance requests 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 appearance request: ● UC-04: Approve/Reject an appearance request ● UC-08: Edit an appearance request ● UC-12: Cancel an approved request ● UC-22: Sign up an appearance ● UC-24: Mark an assigned appearance as complete ● UC-25: Reverse an approval/rejection decision of an appearance request ● UC-26: Mark an appearance as incomplete
Assumptions:	
Open Issues:	

Use Case 8: The Spirit Director edits basic information of a request

UC ID and Name:	UC-8: Edit an appearance request
Created By:	Date Created:
Primary Actor:	Spirit Director Secondary Actors: Customer, SuperFrog Student
Trigger:	The Spirit Director indicates to edit the details of a SuperFrog appearance request.
Description:	The Spirit Director wants to edit a SuperFrog request of all possible statuses, so that she can correct mistakes found in a request. See Glossary for all possible statuses of a request.
Preconditions:	PRE-1. There exists at least one submitted request in the System. PRE-2. The Spirit Director is logged into the System. PRE-3. The User has the "admin" privilege.
Postconditions:	POST-1. The request is updated in the System.
Main Success Scenario:	1. The Spirit Director indicates to edit the details of a SuperFrog appearance request. 2. The Spirit Director views the details of this appearance request through <u>UC-7: View an appearance request</u>. 3. The Spirit Director chooses to change the details of this appearance request. 4. The System asks the Spirit Director to make changes to this request where allowed according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 5. The Spirit Director makes changes to this request until she confirms that she has finished changing. 6. The System validates the Spirit Director's changes and alerts warning messages according to the "Details" defined in the Associated Information of this use case. 7. The Spirit Director acknowledges the warnings and chooses to continue. 8. The System displays the updated details of this request and alerts the Spirit Director to confirm the change. 9. The Spirit Director either confirms the change (continues the normal flow) or chooses to continue to change the details (returns to step 5). 10. The System saves the changes, carries out the effect of change according to the "Details" defined in the Associated Information of this use case, and informs the Spirit Director that this request has been changed. 11. The System notifies relevant actors about the change of this request according to the "Notification" defined in the Associated Information of this use case. 12. Use case ends.

Extensions:	**6a. Input validation rule violation:**
	     6a1. The System alerts the Spirit Director that an input validation rule is violated and displays the nature and location of the error.
	     6a2. The Spirit Director corrects the mistake and returns to step 6 of the normal flow.
	 6b. Assigned SuperFrog Student not available at the new date and time:
	     6b1. The System alerts the Spirit Director that the assigned SuperFrog Student is not available at the new date and time, and she must unassign the SuperFrog Student first.
	     6b2. Use case terminates.

Priority:	High
Frequency of Use:	Approximately *** user, average of *** usages per week.
Business Rules:	
Associated Information:	Details:

Property name	Data type	Editability	Validation rule	Effect of change	Warning	Reference to glossary
First name	String	Yes	Required	No change to the status		

					of the request		
	Last name	String	Yes	Required	No change to the status of the request		
	Phone number	String	Yes	Required, (999) 999-9999 format	No change to the status of the request		
	Email	String	Yes	Required , valid email	No change to the status of the request		
	Date and time			Date and time must be "Available date and time" which means there is at least one SuperFrog Student that is open during that date and time, see BR-1	No change to the status of the request.	The new date time and time may conflict with the schedule of the current assigned SuperFrog Student.	
	Type of the event	String	Yes	Required, see BR-3	No change to the status of the request		
	Event title	String	Yes	Required	No change to the status of the request		
	Name of the organization	String	Yes	Required	No change to the status of the request		
	Event address (street, suite/room/floor, city, state, postal code)	String	Yes	Required, valid US address format Event location must be within 100-mile radius from Amon G. Carter Stadium, see BR-2, BR-8	No change to the status of the request		
	Whether on TCU campus or not	String	Yes	Required	No change to the status		

					of the request		
	Special instructions (parking, gate code, location for spirit members to change/ keep belongings)	String	Yes	Required	No change to the status of the request		
	Any expenses or benefits to the spirit team members	String	Yes	Required	No change to the status of the request		
	Any other outside organizations involved in sponsoring the event	String	Yes	Required, see BR-3	No change to the status of the request		
	Detailed event description	String	Yes	Required, see BR-3	No change to the status of the request		

Column "Effect of change" shows consequences of change other than saving.

Notification:
- The System notifies the Customer about the modification.
- The System notifies the assigned SuperFrog Student about the modification.
- The System sends the Spirit Director an email message confirming the modified request.

The Spirit Director shall be able to cancel the use case at any time prior to submitting it.

Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 9: The Spirit Director assigns a SuperFrog Student to an approved request

UC ID and Name:	UC-9: Assign a SuperFrog Student to an approved request
Created By:	Date Created:
Primary Actor:	Spirit Director Secondary Actors: SuperFrog Student
Trigger:	The Spirit Director indicates to assign a SuperFrog Student to an "Approved" request.
Description:	The Spirit Director wants to assign a SuperFrog Student to an "Approved" request, so that she is sure that a SuperFrog Student will appear in this event.
Preconditions:	PRE-1. There exists at least one "Approved" request in the System. PRE-2. The Spirit Director is logged into the System. PRE-3. The User has the "admin" privilege.
Postconditions:	POST-1. The request is updated in the System with a status of "Assigned". POST-2. The request is added to the SuperFrog Student's personal schedule.
Main Success Scenario:	1. The Spirit Director indicates to assign a SuperFrog Student to an "Approved" request. 2. The Spirit Director views the details of this appearance request through UC-7: View an appearance request. 3. The System asks the Spirit Director to assign this appearance to a SuperFrog Student by prompting a list of available SuperFrog Students. 4. The Spirit Director assigns this appearance to a SuperFrog Student in the list and confirms that she has finished assigning. 5. The System updates the status of this request from "Approved" to "Assigned". 6. The System adds this request to the SuperFrog Student's personal schedule. 7. The System informs the Spirit Director that the request has been assigned to a SuperFrog Student. 8. The System notifies relevant actors about the assignment according to the "Notification" defined in the Associated Information of this use case. 9. Use case ends.
Extensions:	
Priority:	High
Frequency of Use:	Approximately 1 user, average of 1 usage per week.
Business Rules:	
Associated Information:	Notification: • The System notifies the Customer that her request has been assigned a SuperFrog Student. If the payment is not received at this moment, the System reminds the Customer to pay the fee. • The System notifies the assigned SuperFrog Student about this assignment. The Spirit Director shall be able to cancel the process at any time prior to submitting it.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 10: The Spirit Director changes SuperFrog Student sign-up of an assigned request

UC ID and Name:	UC-10: Change the SuperFrog Student sign-up of an assigned request
Created By:	Date Created:
Primary Actor:	Spirit Director Secondary Actors: SuperFrog Student
Trigger:	The Spirit Director indicates to change the assigned SuperFrog Student of an "Assigned" request.
Description:	The Spirit Director wants to assign a different SuperFrog Student to an "Assigned" request so that every SuperFrog Student gets a chance to contribute to the TCU Spirit Team.
Preconditions:	PRE-1. There exists at least one "Assigned" request in the System. PRE-2. The Spirit Director is logged into the System. PRE-3. The User has the "admin" privilege.
Postconditions:	POST-1. The request is updated in the System with a status of "Assigned". POST-2. The request is removed from the originally assigned SuperFrog Student's personal schedule. POST-3. The request is added to the newly assigned SuperFrog Student's personal schedule.
Main Success Scenario:	1. The Spirit Director indicates to change the assigned SuperFrog Student of an "Assigned" request. 2. The Spirit Director views the details of this appearance request through <u>UC-7: View an appearance request</u>. 3. The System asks the Spirit Director to assign this appearance to a SuperFrog Student by prompting a list of available SuperFrog Students. 4. The Spirit Director assigns this appearance to a different SuperFrog Student in the list and confirms that she has finished assigning. 5. The System removes this request from the originally assigned SuperFrog Student's personal schedule. 6. The System adds this request to the newly assigned SuperFrog Student's personal schedule. 7. The System informs the Spirit Director that the change has been made. 8. The System notifies relevant actors about the assignment according to the "Notification" defined in the Associated Information of this use case. 9. Use case ends.

Extensions:	**3a. There are no other SuperFrog Students available for this request:**
	    3a1. The System alerts the Spirit Director that there are no other available SuperFrog Students that can be assigned to this request.
	    3a2. Use case terminates.

Priority:	High
Frequency of Use:	Approximately 1 user, average of 1 usage per week.
Business Rules:	

Associated Information:	Notification:
	   ● The System notifies the Customer that her request has been signed up by a new SuperFrog Student. If the payment is not received at this moment, the System reminds the Customer to pay the fee.
	   ● The System notifies the originally assigned SuperFrog Student about the change.
	   ● The System notifies the newly assigned SuperFrog Student about the assignment.
	The Spirit Director shall be able to cancel the process at any time prior to submitting it.

Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 11: The Spirit Director cancels a SuperFrog Student sign-up of an assigned request

UC ID and Name:	UC-11: Cancel a SuperFrog Student sign-up of an assigned request
Created By:	Date Created:
Primary Actor:	Spirit Director Secondary Actors: SuperFrog Student
Trigger:	The Spirit Director indicates to cancel a SuperFrog Student sign-up of an "Assigned" request.
Description:	The Spirit Director wants to remove the currently assigned SuperFrog Student from an "Assigned" request, so that other SuperFrog Students can choose to sign up for this request.
Preconditions:	PRE-1. There exists at least one "Assigned" request in the System. PRE-2. The Spirit Director is logged into the System. PRE-3. The User has the "admin" privilege.
Postconditions:	POST-1. The request is updated in the System with a status of "Approved". POST-2. The request is removed from the originally assigned SuperFrog Student's personal schedule.
Main Success Scenario:	1. The Spirit Director indicates to cancel a SuperFrog Student sign-up of an "Assigned" request. 2. The Spirit Director views the details of this appearance request through UC-7: View an appearance request and chooses to cancel the current SuperFrog Student's sign-up. 3. The System validates that this sign-up cancellation is allowed and asks the Spirit Director to confirm the cancellation. 4. The Spirit Director confirms the cancellation. 5. The System removes this request from the originally assigned SuperFrog Student's personal schedule. 6. The System updates the status of this request from "Assigned" to "Approved". 7. The System informs the Spirit Director that the cancellation has been completed. 8. The System notifies relevant actors about the cancellation according to the "Notification" defined in the Associated Information of this use case. 9. Use case ends.

Extensions:	**3a. There are no other SuperFrog Students available for this request:**
	   3a1. The System alerts the Spirit Director that there are no other available SuperFrog Students besides the currently assigned SuperFrog student that can sign up to this request. Canceling the current sign-up will not allow other SuperFrog Students to sign up.
	   3a2. Use case terminates.
	3b. The appearance event is less than 2 days from the current time (See BR-12):
	   3b1. The System alerts the Spirit Director that it is too late to cancel an appearance sign-up. Instead, she needs to choose to assign it to a different SuperFrog Student through UC-10: Change SuperFrog Student sign-up of an assigned request.
	   3b2. Use case terminates.

Priority:	High
Frequency of Use:	Approximately 1 user, average of one usage per week.
Business Rules:	

Associated Information:	Notification:
	   ● The System notifies the Customer that the SuperFrog Student sign-up has been canceled.
	   ● The System notifies the originally assigned SuperFrog Student about the cancellation.

	● The System notifies all SuperFrog Students that a new approved request needs sign-up. The Spirit Director shall be able to cancel the process at any time prior to submitting it.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 12: The Spirit Director cancels an approved appearance request

UC ID and Name:	UC-12: Cancel an approved appearance request		
Created By:		Date Created:	
Primary Actor:	Spirit Director	Secondary Actors:	Customer, Payment System, SuperFrog Student
Trigger:	The Spirit Director indicates to cancel an "Approved" or "Assigned" SuperFrog appearance request. Or Payment of an "Approved" or "Assigned" request is not received 24 hours prior to the event date and time.		
Description:	The Spirit Director wants to cancel an "Approved" or "Assigned" request, so that she can accommodate a TCU Athletic Department function, weather, or an emergency situation. (See BR-9) In another scenario, an "Approved" or "Assigned" request shall be canceled automatically if payment is not received 24 hours prior to the event date and time. (See BR-7)		
Preconditions:	PRE-1. There exists at least one "Approved" or "Assigned" request in the System. PRE-2. The Spirit Director is logged into the System. PRE-3. The User has the "admin" privilege.		
Postconditions:	POST-1. The request is updated in the System with a status of "Canceled by the Spirit Director" or "Canceled due to no payment".		
Main Success Scenario:	1. The Spirit Director indicates to cancel an "Approved" or "Assigned" SuperFrog appearance request. 2. The Spirit Director views the details of this "Approved" or "Assigned" appearance request through UC-7: View an appearance request and chooses to cancel the request. 3. The System asks the Spirit Director to enter a reason and then confirm. 4. The Spirit Director enters the reason and confirms the cancellation. 5. The System marks the request as "Canceled by the Spirit Director". 6. The System has the Payment System process refund. 7. The System cancels the SuperFrog Student sign-up related to this request if it has been signed up already. 8. The System notifies relevant actors about the cancellation according to the "Notification" defined in the Associated Information of this use case. 9. Use case ends.		
Extensions:	**1a. Payment is not received 24 hours prior to the event date and time:** 1a1. The System automatically updates the request's status to "Canceled due to no payment". The cancellation reason is "Canceled due to no payment". 1a2. Returns to step 7 of the normal flow. **6a. Customer has not made a payment yet:** 6a1. Returns to step 7 of the normal flow.		
Priority:	High		
Frequency of Use:	Approximately *** users, average of one usage per day.		
Business Rules:			
Associated Information:	Notification: ● The System sends a notification to the Customer about this cancellation and reason. ● The System sends a notification to the assigned SuperFrog Student about this cancellation and reason. The Spirit Director shall be able to cancel the process at any time prior to submitting it.		

Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 13: The Spirit Director creates an account for a new SuperFrog Student

UC ID and Name:	UC-13: Create an account for a new SuperFrog Student
Created By:	Date Created:
Primary Actor:	Spirit Director Secondary Actors: SuperFrog Student
Trigger:	The Spirit Director indicates to create a new account for a new SuperFrog Student.
Description:	When a new SuperFrog Student joins the Spirit Team, the Spirit Director wants to create a new account for this SuperFrog Student, so that the new SuperFrog Student can have access to the System and also be properly managed.
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. The User has the "admin" privilege.
Postconditions:	POST-1. The new account is stored in the System.
Main Success Scenario:	1. The Spirit Director indicates to create a new account for a new SuperFrog Student. 2. The System asks the Spirit Director to enter details of this new account according to the "Details" defined in the Associated Information of this use case. 3. The Spirit Director enters the details of this new account and confirms that she has finished. 4. The System validates the Spirit Director's inputs according to the "Details" defined in the Associated Information of this use case. 5. The System validates that the creation of the new account will not duplicate any existing account according to the "Duplication detection rules" defined in the Associated Information of this use case. 6. The System displays the details of the new account and asks the Spirit Director to confirm the creation. 7. The Spirit Director either confirms the creation (continues the normal flow) or chooses to modify the details (returns to step 3). 8. The System creates this account with a temporary password for first login and informs the Spirit Director that this account has been created. 9. The System notifies relevant actors about the creation of an account according to the "Notification" defined in the Associated Information of this use case. 10. Use case ends.

Extensions:	**4a. Input validation rule violation:**
	   4a1. The System alerts the Spirit Director that an input validation rule is violated and displays the nature and location of the error.
	   4a2. The Spirit Director corrects the mistake and returns to step 4 of the normal flow.
	5a. The System finds possible duplicates from the existing accounts:
	   5a1. The System alerts the Spirit Director that the account she is trying to create already exists in the System.
	   5a2. The System displays possible duplicates to the Spirit Director.
	   5a3. The Spirit Director either chooses to correct the mistake and return to step 4 of the normal flow or chooses to terminate the use case.

Priority:	High
Frequency of Use:	Approximately 1 user, average of 2 usage per semester.
Business Rules:	
Associated Information:	Details:

Property name	Data type	Editability	Validation rule	Effect of change	Reference to glossary
First name	String	Yes	Required		
Last name	String	Yes	Required		
Phone number	String	Yes	Required, (999)		

					999-9999 format		
	Physical address	String	Yes	Required, valid US address format (street, suite/room/floor, city, state, postal code)			
	Email	String	Yes	Required, valid email			

Duplication detection rules:
  ● The SuperFrog Student's email is the unique identifier.
Notification:
  ● The System sends the temporary password to the new SuperFrog Student's TCU email asking her to log in and change password.
The Spirit Director shall be able to cancel the use case at any time prior to submitting it.

Related Use Cases	The Spirit Director may first choose to UC-15: Find SuperFrog Students but cannot find any, then decide to create one.
Assumptions:	
Open Issues:	

Use Case 14: The Spirit Director deactivates the account of a SuperFrog Student

UC ID and Name:	UC-14: Deactivate the account of a SuperFrog Student
Created By:	Date Created:
Primary Actor:	Spirit Director	Secondary Actors:
Trigger:	The Spirit Director indicates to deactivate the account of a SuperFrog Student.
Description:	When a SuperFrog Student retires, the Spirit Director wants to deactivate the account of this SuperFrog Student, so that this student no longer has access to the System.
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. The User has the "admin" privilege.
Postconditions:	POST-1. The account of a SuperFrog Student is deactivated.
Main Success Scenario:	1. The Spirit Director indicates to deactivate the account of a SuperFrog Student. 2. The Spirit Director views the details of this SuperFrog Student through UC-16: View a SuperFrog Student account and chooses to deactivate this account. 3. The System asks the Spirit Director to enter a reason and confirm. 4. The Spirit Director enters the reason and confirms the deactivation. 5. The System validates this deactivation. 6. The System deactivates this account and informs the Spirit Director that this account has been deactivated. 7. The System notifies relevant actors about the deactivation of an account according to the "Notification" defined in the Associated Information of this use case. 8. Use case ends.
Extensions:	**5a. This SuperFrog Student still has incomplete assigned appearances:** 5a1. The System alerts the Spirit Director that this SuperFrog Student has an active assigned appearance. Deactivation cannot be done at this moment. 5a2. Use case terminates. **5b. This SuperFrog Student has completed appearance requests, which have not been submitted to the TCU Payroll Services:** 5b1. The System alerts the Spirit Director that she needs to generate TCU Honorarium (Payment for services) Requests for this SuperFrog Student before deactivating her account. 5b2. Use case terminates.
Priority:	High
Frequency of Use:	Approximately 1 user, average of 2 usage per semester.
Business Rules:	
Associated Information:	Notification: ● The System sends a notification to this SuperFrog Student informing that her account has been deactivated. The Spirit Director shall be able to cancel the process at any time prior to submitting it.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 15: The Spirit Director finds SuperFrog Students

UC ID and Name:	UC-15: Find SuperFrog Students		
Created By:		Date Created:	
Primary Actor:	Spirit Director	Secondary Actors:	
Trigger:	The Spirit Director indicates to find SuperFrog Students.		
Description:	The Spirit Director wants to find SuperFrog Students which match specific criteria, so that she can decide what to do next.		
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. The User has the "admin" privilege.		
Postconditions:	POST-1. A list of matching SuperFrog Students is returned and displayed to the Spirit Director. It is possible that the list is empty.		
Main Success Scenario:	1. The Spirit Director indicates to find SuperFrog Students. 2. The System asks the Spirit Director to enter search values according to the "Search criteria" defined in the Associated Information of this use case. 3. The Spirit Director enters one or more search values and confirms that she has finished entering. 4. The System finds all SuperFrog Students that match the provided search criteria values. 5. The System displays the matching SuperFrog Students according to the "Search results display strategy" and the "Sort criteria" defined in the Associated Information of this use case. 6. Use case ends.		

Extensions:	**4a. No matching students are found:**
	  4a1. The System alerts the Spirit Director that no matching SuperFrog Students are found.
	  4a2. The Spirit Director either chooses to UC-13: Create an account for a new SuperFrog Student or chooses to terminate the use case or chooses to return to step 2 of the normal flow.
	5a. The Spirit Director chooses to select a different set of properties to display the matching SuperFrog Students:
	  5a1. The System displays the current "Search results display strategy".
	  5a2. The Spirit Director enters a customized "Search results display strategy", confirms that she has finished entering, and returns to step 5 of the normal flow.
	5b. The Spirit Director chooses to re-sort the search results:
	  5b1. The Spirit Director re-sorts the search result according to the "Sort criteria" defined in the Associated Information of this use case and returns to step 5 of the normal flow.		

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

Search property name	Data type	Options	Validation rule	Security/access concerns	Reference to glossary
First name	String	Yes	Required		
Last name	String	Yes	Required		
Phone number	String	Yes	Required, (999) 999-9999 format		
Email	String	Yes	Required, valid email		

	Search results display strategy (specify which properties to display for each matching SuperFrog Student):
	   ● First name
	   ● Last name
	   ● Phone number
	   ● Email
	Sort criteria:
	   ● Last name (default)
	   ● First name
	   ● Email

Related Use Cases:	The Spirit Director can perform other actions after this use case. After this use case succeeds, the Spirit Director may select any of the displayed SuperFrog Students and take any of the following actions on the selected item:
	   ● UC-16: View a SuperFrog Student account
	   ● UC-13: Create an account for a new SuperFrog Student
	   ● UC-14: Deactivate a SuperFrog Student account
	   ● UC: Edit a SuperFrog Student account (TODO)

Assumptions:	
Open Issues:	

Use Case 16: The Spirit Director views a SuperFrog Student account

UC ID and Name:	UC-16: View a SuperFrog Student account
Created By:	Date Created:
Primary Actor:	Spirit Director Secondary Actors:
Trigger:	The Spirit Director indicates to view the details of a SuperFrog Student account.
Description:	The Spirit Director wants to view the details of a SuperFrog Student account, so that she can get a better idea of this SuperFrog Student's profile details, personal schedule, and signed-up and completed appearances.
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. The User has the "admin" privilege.
Postconditions:	POST-1. The details of the specified SuperFrog Student account are displayed to the Spirit Director.
Main Success Scenario:	1. The Spirit Director indicates to view the details of a SuperFrog Student account. 2. The Spirit Director finds a list of SuperFrog Student accounts through UC-15: Find SuperFrog Students. 3. The Spirit Director views the list and chooses to view the details of one specific SuperFrog Student. 4. The System retrieves and displays details of this SuperFrog Student account according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 5. The Spirit Director views the details of this SuperFrog Student. 6. Use case ends.
Extensions:	
Priority:	High
Frequency of Use:	Approximately 1 user, average of 8 usages per month.
Business Rules:	Security/access concerns • The Spirit Director can access all the information of a SuperFrog Student.
Associated Information:	Details: <table><thead><tr><th>Property name</th><th>Data type</th><th>Security/access concerns</th><th>Reference to glossary</th></tr></thead><tbody><tr><td>First name</td><td>String</td><td></td><td></td></tr><tr><td>Last name</td><td>String</td><td></td><td></td></tr><tr><td>Phone number</td><td>String</td><td></td><td></td></tr><tr><td>Physical address</td><td>String</td><td></td><td></td></tr><tr><td>Email</td><td>String</td><td></td><td></td></tr><tr><td>Personal schedule</td><td></td><td></td><td></td></tr><tr><td>A list of signed-up appearances</td><td>List</td><td></td><td></td></tr><tr><td>A list of completed appearances</td><td>List</td><td></td><td></td></tr></tbody></table>
Related Use Cases:	UC-15: Find SuperFrog Students The Spirit Director can perform other actions after this use case. After this use case succeeds, the Spirit Director may take any of the following actions on this SuperFrog Student account: • UC-14: Deactivate a SuperFrog Student account • UC: Edit a SuperFrog Student account (TODO)
Assumptions:	
Open Issues:	

Use Case 17: The Spirit Director manages the Spirit Team calendar

UC ID and Name:	UC-17: Manage the Spirit Team calendar
Created By:	Date Created:
Primary Actor:	Spirit Director	Secondary Actors:
Trigger:	The Spirit Director indicates to manage the Spirit Team calendar.
Description:	The Spirit Director wants to create events on the Spirit Team calendar to block out time for dead (study) days, finals week, or major holidays, so that the Customers cannot request SuperFrog appearances during those times. (See BR-5) The Spirit Director also wants to edit and delete events from the calendar, so that the calendar reflects the most accurate information.
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. The User has the "admin" privilege.
Postconditions:	POST-1. The calendar is updated.

Main Success Scenario:	1. The Spirit Director indicates to manage the Spirit Team calendar.
	2. The System displays the calendar and asks the Spirit Director to select the operations.
	    ● Create a new event (step 4-8)
	    ● Edit an existing event (step 9-13)
	    ● Delete an existing event (step 14-17)
	3. The Spirit Director selects one out of the three operations.
	
	Based on the Spirit Director's selection in step 3, the flow goes through either step 4-8, or step 9-13, or step 14-17.
	4. The Spirit Director selects to create either a one-time event (e.g., finals week) or a recurring event. For each event, the Spirit Director provides:
	    ● Event title (e.g., finals week)
	    ● Start date and time and end date and time
	    ● Recurrence start date and end date if applicable
	5. The System validates the creation.
	6. The System displays the details of the new event and asks the Spirit Director to confirm the creation.
	7. The Spirit Director either confirms the creation (continues the normal flow) or chooses to modify the details (return to step 4).
	8. The System saves the creation and informs the Spirit Director that the calendar has been updated.
	9. The Spirit Director selects to edit an existing event. For each event, the Spirit Director can modify:
	    ● Event title
	    ● Start date and time and end date and time
	    ● Recurrence start date and end date if applicable
	10. The System validates the change.
	11. The System displays the details of the updated event and asks the Spirit Director to confirm the change.
	12. The Spirit Director either confirms the change (continues the normal flow) or chooses to modify the details (return to step 9).
	13. The System saves the change and informs the Spirit Director that the calendar has been updated.
	14. The Spirit Director selects to delete an existing event.

	15. The System asks the Spirit Director to confirm the deletion.
	16. The Spirit Director confirms the deletion.
	17. The System deletes the event and informs the Spirit Director that the calendar has been updated.
	18. The Spirit Director either indicates that she is done (goes to step 19) or continues to manage the calendar (returns to step 2).
	19. Use case ends.
Extensions:	**5a. There are pending appearance requests within the specified start and end date and time:**
	5a1. The System alerts the Spirit Director that she must first reject those "Pending" requests before creating a new event.
	5a2. Use case terminates.
	9a. The event being edited is a recurring one:
	9a1. The Spirit Director indicates the change applies to either just one event or every event in this series.
	9a2. Returns to step 10 of the normal flow.
	10a. There are pending appearance requests within the modified start and end date and time:
	10a1. The System informs the Spirit Director that she must first reject those "Pending" requests before making such changes.
	10a2. Use case terminates.
	14a. The event being deleted is a recurring one:
	14a1. The Spirit Director indicates the deletion applies to either just one event or every event in this series.
	14a2. Returns to step 15 of the normal flow.
Priority:	High
Frequency of Use:	1 user, average of 1 usage at the beginning of a new academic year.
Business Rules:	
Associated Information:	The Spirit Director shall be able to cancel the process at any time prior to submitting it.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 18: The Spirit Director generates TCU Honorarium (Payment for services) Request Forms

UC ID and Name:	UC-18: Generate TCU Honorarium (Payment for services) Request Forms
Created By:	Date Created:
Primary Actor:	Spirit Director Secondary Actors: TCU Payroll Services
Trigger:	The Spirit Director indicates to generate payment for services request forms for selected SuperFrog Students. (See BR-14).
Description:	The Spirit Director wants to generate TCU Honorarium (Payment for services) Requests for SuperFrog Students who have completed at least one appearance during a time period, so that the SuperFrog Students can get paid by the TCU Payroll Services. The payment requests will then be printed, signed, and sent to the TCU Payroll Services.
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. The User has the "admin" privilege.
Postconditions:	POST-1. The details of the report are returned and displayed to the Spirit Director. POST-2. The System updates the statuses of the selected appearance requests from "Completed" to "Submitted to payroll".
Main Success Scenario:	1. The Spirit Director indicates to generate TCU Honorarium (Payment for services) Request Forms. 2. The System asks the Spirit Director to provide configurable report generating parameters according to the "Report generating parameters" defined in the Associated Information of this use case. 3. The Spirit Director enters the required parameters and confirms that she has finished entering. 4. The System validates the input parameters according to the "Report generating parameters" defined in the Associated Information of this use case. 5. The System retrieves and displays a list of "Completed" appearance requests within the specified time period, organized by SuperFrog Students. 6. The Spirit Director validates each "Completed" appearance request and then selects appearance requests to generate TCU Honorarium (Payment for services) Request Forms. 7. The System generates the TCU Honorarium (Payment for services) Request Forms according to the "Report generating algorithm" defined in the Associated Information of this use case and displays to the Spirit Director according to the "Report generating parameters" defined in the Associated Information of this use case. 8. The Spirit Director validates every generated TCU Honorarium (Payment for Services) Request Form. 9. The System delivers the generated report according to the specified report disposition in the specified format in the "Report generating parameters" defined in the Associated Information of this use case. 10. The Spirit Director enters SSNs of each SuperFrog Student (BR-14), enters Authorized Codes (Account, Fund, Dept, and Project), and confirms printing. 11. The System prints all the payment requests. 12. The System updates the statuses of the selected appearance requests from "Completed" to "Submitted to payroll". 13. Use case ends.
Extensions:	**4a. Input validation rule violation:** 4a1. The System alerts the Spirit Director that an input validation rule is violated and displays the nature and location of the error.

	4a2. The Spirit Director corrects the mistake and returns to step 4 of the normal flow.
	5a. No data is returned:
	5a1. The System alerts the Spirit Director that no data is available in the generated report.
	5a2. The Spirit Director either chooses to return to step 3 of the normal flow or chooses to terminate the use case.
	6a. The Spirit Director finds errors in a "Completed" appearance request:
	6a1. User case terminates.
	8a. The Spirit Director finds errors in a generated payment request:
	8a1. The Spirit Director edits this payment request form directly.
	8a2. Returns to step 9 of the normal flow.
Priority:	High
Frequency of Use:	Approximately 1 user, average of 1 usage per month.
Business Rules:	BR-14
Associated Information:	Report generating parameters:
	● Report title: TCU Honorarium (Payment for services) Request Forms
	● Data source: The System
	● Data selection criteria: The Spirit Director provides a time period of "Completed" SuperFrog appearances to consider for payroll services.
	● Report visualization (table, charts, graph): table displayed in the System
	● Sorting criteria: SuperFrog Student last name
	● Pagination criteria if table visualization is selected: 10 per page
	● Disposition of the report after it is generated: displayed in the System and printed
	● Format of the generated report: PDF
	Report generating algorithm:
	● The System only considers the "Completed" appearance requests selected by the Spirit Director within the specified time period (Some "Completed" appearance requests may not be eligible to pay) in step 6.
	● A TCU Honorarium (Payment for Services) Request Form is generated for each eligible SuperFrog Student. An eligible SuperFrog Student is a student who has completed at least one appearance selected by the Spirit Director during the specified time period in step 6. For each one of them, the System computes the amount of money that shall be paid to this SuperFrog Student based on event type, hours, mileage, retrieves their payroll information, and then generates a TCU Honorarium (Payment for Services) Request Form for this SuperFrog Student.
	● Report content (one SuperFrog Student):

	TCU **Texas Christian University** **Honorarium (Payment for Services) Request** This document must be completed prior to issuing payment. Submit completed form to Accounts Payable, Sadler Hall #2011, TCU Box 297011. Mail Check: ☐ Pick Up Check ☐ Name Tax ID # or SSN # International: ☐ Yes ☐ No Permanent Address Amount Authorized Codes Account Fund Dept Project Approver's Name: Approver's Signature: 1. Attach a copy of written agreement or explain the nature and DATE OF SERVICES performed. YES NO 2. Is this individual presently in the employ of Texas Christian University or Brite Divinity School? ☐ ☐ **If the answer to question 2 is "yes", you do not need to complete the remainder of this form.** 3. Must this individual comply with instructions about when and how services are performed? ☐ ☐ 4. Is this individual trained by the University to perform the service? ☐ ☐ 5. Is the service similar to services generally performed by other University employees? ☐ ☐ 6. Is this individual assigned a University employee to assist him or her? ☐ ☐ 7. Does this individual perform the same service for the University on a frequent basis? ☐ ☐ 8. Does the University supply the tools, materials and supplies necessary to complete the assignment? ☐ ☐ 9. May this individual determine his or her own working hours? ☐ ☐ 10. Does this individual market his or her services to the general public? ☐ ☐ **After a review of the answers presented above, it may be necessary to classify the individual as an employee and issue the payment on a payroll check with applicable taxes withheld.** Rev 7/29 HR ● Each "Completed" appearance is added to section "Attach a copy of written agreement or explain the nature and DATE OF SERVICES performed" section in above PDF.
Related Use Cases:	
Assumptions:	If the job is too large, the System prompts the Spirit Director to select to run the report immediately or to schedule a time for it to run. The System will display a projected run time, based on historical run times.
Open Issues:	

Use Case 19: The Spirit Director generates a SuperFrog Students performance report

UC ID and Name:	UC-19: Generate a SuperFrog Students performance report
Created By:	Date Created:
Primary Actor:	Spirit Director Secondary Actors:
Trigger:	The Spirit Director indicates to generate a SuperFrog Students performance report.
Description:	The Spirit Director wants to generate a report showing the detailed performance of each SuperFrog Student, so that she can get an idea of the number of appearances completed and canceled by each SuperFrog Student in a time period.
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. The User has the "admin" privilege.
Postconditions:	POST-1. The details of the report are returned and displayed to the Spirit Director.
Main Success Scenario:	1. The Spirit Director indicates to generate a SuperFrog Students performance report. 2. The System asks the Spirit Director to provide configurable report generating parameters according to the "Report generating parameters" defined in the Associated Information of this use case. 3. The Spirit Director enters the required parameters and confirms that she has finished entering. 4. The System validates the input parameters according to the "Report generating parameters" defined in the Associated Information of this use case. 5. The System generates the performance report according to the "Report generating algorithm" defined in the Associated Information of this use case and displays to the Spirit Director according to the "Report generating parameters" defined in the Associated Information of this use case. 6. The System delivers the generated report according to the specified report disposition in the specified format in the "Report generating parameters" defined in the Associated Information of this use case. 7. Use case ends.

Extensions:	**4a. Input validation rule violation:**
	    4a1. The System alerts the Spirit Director that an input validation rule is violated and displays the nature and location of the error.
	    4a2. The Spirit Director corrects the mistake and returns to step 4 of the normal flow.
	5a. No data is returned:
	    5a1. The System alerts the Spirit Director that no data is available in the generated report.
	    5a2. The Spirit Director either chooses to return to step 3 of the normal flow or chooses to terminate the use case.

Priority:	High
Frequency of Use:	Approximately 1 user, average of 1 usage per month.
Business Rules:	

Associated Information:	Report generating parameters:
	  ● Report title: SuperFrog Students performance report
	  ● Data source: The System
	  ● Data selection criteria: The Spirit Director provides a list of current SuperFrog Students and time period to consider for the performance report.
	  ● Columns/Fields to include: SuperFrog Student name, number of completed appearances, and number of canceled appearance within the specified time period
	  ● Report visualization (table, charts, graph): table displayed in the System

	- Sorting criteria: SuperFrog Student last name - Pagination criteria if table visualization is selected: 10 per page - Disposition of the report after it is generated: displayed in the System and printed - Format of the generated report: PDF Report generating algorithm: - The System only considers the SuperFrog Students provided by the Spirit Director. - Report content: - Time period - SuperFrog Student first and last name - Number of appearances completed - Number of appearances canceled
Related Use Cases:	
Assumptions:	If the job is too large, the System prompts the Spirit Director to select to run the report immediately or to schedule a time for it to run. The System will display a projected run time, based on historical run times.
Open Issues:	

Use Case 20: The SuperFrog Student edits profile information

UC ID and Name:	UC-20: Edit profile information		
Created By:		Date Created:	
Primary Actor:	SuperFrog Student	Secondary Actors:	Spirit Director
Trigger:	The SuperFrog Student indicates to edit her profile information.		
Description:	The SuperFrog Student wants to edit her profile information, so that her profile information is up to date.		
Preconditions:	PRE-1. The SuperFrog Student is logged into the System.		
Postconditions:	POST-1. Changes made to this SuperFrog Student's profile information are stored in the System.		
Main Success Scenario:	1. The SuperFrog Student indicates to edit her profile information. 2. The System retrieves, displays details of her current profile information, and asks the SuperFrog Student to make changes to her profile information where allowed according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 3. The SuperFrog Student makes changes to her profile information until she confirms that she has finished changing. 4. The System validates the SuperFrog Student's changes and alerts warning messages according to the "Details" defined in the Associated Information of this use case. 5. The SuperFrog Student acknowledges the warnings and chooses to continue. 6. The System displays the updated profile information and alerts the SuperFrog Student to confirm the change. 7. The SuperFrog Student either confirms the change (continues the normal flow) or chooses to continue to change the details (returns to step 3). 8. The System saves the changes, carries out the effect of change according to the "Details" defined in the Associated Information of this use case, and informs the SuperFrog Student that her profile information has been updated. 9. The System notifies relevant actors about the change of this SuperFrog Student's profile information according to the "Notification" defined in the Associated Information of this use case. 10. Use case ends.		
Extensions:	**4a. Input validation rule violation:** 4a1. The System alerts the SuperFrog Student that an input validation rule is violated and displays the nature and location of the error. 4a2. The SuperFrog Student corrects the mistake and returns to step 4 of the normal flow.		
Priority:	High		
Frequency of Use:	Approximately 8 users, average of 1 usage per semester.		
Business Rules:			
Associated Information:	Details:		

Property name	Data type	Editability	Validation rule	Effect of change	Warning	Reference to glossary
First name	String	Yes	Required	None		
Last name	String	Yes	Required	None		
Phone number	String	Yes	Required, (999) 999-9999 format	None		
Physical address	String	Yes	Required, valid US address format (street, suite/room/floor,	None		

				city, state, postal code)			
	Email	String	Yes	Required, valid email	None		
	International student or not	Boolean	Yes	Required	None		
	Payment preference	Enum	Yes	Required, either "Mail Check" or "Pick Up Check"	None		

Column "Effect of change" shows consequences of modification other than saving.

Notification:
- The System sends a notification to the Spirit Director about this profile modification.

The SuperFrog Student shall be able to cancel the use case at any time prior to submitting it.

Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 21: The SuperFrog Student manages personal schedule

UC ID and Name:	UC-21: Manage personal schedule		
Created By:		Date Created:	
Primary Actor:	SuperFrog Student	Secondary Actors:	
Trigger:	The SuperFrog Student indicates to manage her personal schedule.		
Description:	The SuperFrog Student wants to add an event to, edit an existing event from, or delete an existing event from her personal schedule, so that the System can determine the availability of a SuperFrog Student for a SuperFrog appearance request. Common events include taking classes at TCU (a recurring event) and one-time vacation.		
Preconditions:	PRE-1. The SuperFrog Student is logged into the System.		
Postconditions:	POST-1. The personal schedule is updated.		

Main Success Scenario:	1. The SuperFrog Student indicates to manage her personal schedule.
	2. The System displays her current personal schedule and asks the SuperFrog Student to select operations.
	   ● Create a new event (step 4-8)
	   ● Edit an existing event (step 9-13)
	   ● Delete an existing event (step 14-17)
	3. The SuperFrog Student selects one out of the three operations.
	
	Based on the SuperFrog Student's selection in step 3, the flow goes through either step 4-8, or step 9-13, or step 14-17.
	4. The SuperFrog Student selects to create either a one-time event (e.g., vocation) or a recurring event (e.g., class). For each event, the SuperFrog Student provides:
	   ● Event title (e.g., Software Engineering class)
	   ● Start date and time and end date and time
	   ● Recurrence start date and end date if applicable
	5. The System validates the creation.
	6. The System displays the details of the new event and asks the SuperFrog Student to confirm the creation.
	7. The SuperFrog Student either confirms the creation (continues the normal flow) or chooses to modify the details (return to step 4).
	8. The System saves the creation and informs the SuperFrog Student that her personal schedule has been updated.
	9. The SuperFrog Student selects to edit an existing event. For each event, the SuperFrog Student can modify:
	   ● Event title
	   ● Start date and time and end date and time
	   ● Recurrence start date and end date if applicable
	10. The System validates the change.
	11. The System displays the details of the updated event and asks the SuperFrog Student to confirm the change.
	12. The SuperFrog Student either confirms the change (continues the normal flow) or chooses to modify the details (return to step 9).
	13. The System saves the change and informs the SuperFrog Student that her personal schedule has been updated.
	14. The SuperFrog Student selects to delete an existing event.
	15. The System asks the SuperFrog Student to confirm the deletion.
	16. The SuperFrog Student confirms the deletion.		

	17. The System deletes the event and informs the SuperFrog Student that her personal schedule has been updated. 18. The SuperFrog Student either indicates that she is done (goes to step 19) or continues to manage her personal schedule (returns to step 2). 19. Use case ends.
Extensions:	**5a. There exists signed-up appearance request within the specified start and end date and time:** 5a1. The System alerts the SuperFrog Student that she has been assigned to a request that conflicts with the newly created personal event. 5a2. Use case terminates. **9a. The event being edited is a recurring one:** 9a1. The SuperFrog Student indicates the change applies to either just one event or every event in this series. 9a2. Returns to step 10 of the normal flow. **14a. The event being deleted is a recurring one:** 14a1. The SuperFrog Student indicates the deletion applies to either just one event or every event in this series. 14a2. Returns to step 15 of the normal flow.
Priority:	High
Frequency of Use:	10 users, average of 2 usage per month.
Business Rules:	
Associated Information:	The SuperFrog Student shall be able to cancel the process at any time prior to submitting it. The SuperFrog Student shall do this use case at the start of each semester. The Spirit Director must indicate to the System the start and end dates of the semester.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 22: The SuperFrog Student signs up an appearance

UC ID and Name:	UC-22: Sign up an appearance		
Created By:		Date Created:	
Primary Actor:	SuperFrog Student	Secondary Actors:	Spirit Director, Customer
Trigger:	The SuperFrog Student indicates to sign up for a SuperFrog appearance.		
Description:	The SuperFrog Student wants to view the details of an "Approved" appearance request and sign up for this appearance. One appearance request only allows one SuperFrog Student to sign up. It is "First Come, First Served".		
Preconditions:	PRE-1. The SuperFrog Student is logged into the System. PRE-2. There exists at least one "Approved" but unassigned appearance request in the System.		
Postconditions:	POST-1. The "Approved" appearance request is updated in the System with a status of "Assigned". POST-2: The appearance request is added to the SuperFrog Student's personal schedule.		
Main Success Scenario:	1. The SuperFrog Student indicates to sign up for a SuperFrog appearance. 2. The SuperFrog Student views the details of an "Approved" but unassigned appearance request through <u>UC-7: View an appearance request</u>. 3. The SuperFrog Student chooses to sign up for this appearance request. 4. The System validates that this sign-up has no conflict with the SuperFrog Student's personal schedule. 5. The System asks the SuperFrog Student to confirm the sign-up. 6. The SuperFrog Student either confirms the sign-up (continues the normal flow) or chooses to view another appearance request (return to step 2). 7. The System updates the status of the appearance request from "Approved" to "Assigned". 8. The System adds this appearance to the SuperFrog Student's personal schedule. 9. The System notifies relevant actors about the assignment according to the "Notification" defined in the Associated Information of this use case. 10. Use case ends.		
Extensions:	**4a. There exists conflict between this appearance request and the SuperFrog Student's personal schedule:** 4a1. The System alerts the SuperFrog Student that there is a time conflict, then terminates the use case. **4b. This request has been signed up by another SuperFrog Student or has been assigned to another SuperFrog Student by the Spirit Director:** 4b1. The System alerts SuperFrog Student that this request has been signed up by others, then terminates the use case. **4c. This request has been canceled or rejected:** 4c1. The System informs the SuperFrog Student that this request has been canceled or rejected (See UC-25), then terminates the use case.		
Priority:	High		
Frequency of Use:	Approximately 7 users, average of 2 usages per week.		
Business Rules:			
Associated Information:	Notification: - The System notifies the Spirit Director that the appearance request has been signed up by a SuperFrog Student. - The System notifies the Customer that her appearance request has been signed up by a SuperFrog Student. If the payment is not received at this moment, the System reminds the Customer to pay the fee.		

	The SuperFrog Student shall be able to cancel the signing up process at any time prior to submitting it.
Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 23: The SuperFrog Student cancels an appearance sign-up

UC ID and Name:	UC-23: Cancel an appearance sign-up		
Created By:		Date Created:	
Primary Actor:	SuperFrog Student	Secondary Actors:	Spirit Director, Customer
Trigger:	The SuperFrog Student indicates to cancel a SuperFrog appearance sign-up.		
Description:	The SuperFrog Student wants to cancel an appearance sign-up, so that she can let the Spirit Director and the Customer know that she is no longer available for this appearance. Sign-up cancellation is only allowed at least 2 days prior to the date of the event.		
Preconditions:	PRE-1. The SuperFrog Student is logged into the System. PRE-2. There exists at least one "Assigned" request for this SuperFrog Student.		
Postconditions:	POST-1. The "Assigned" request is updated in the System with a status of "Approved". POST-2. The request is removed from the SuperFrog Student's personal schedule. POST-3. The history of this cancellation is stored.		
Main Success Scenario:	1.　The SuperFrog Student indicates to cancel a SuperFrog appearance sign-up. 2.　The SuperFrog Student views the details of a signed-up appearance request from her personal schedule. 3.　The SuperFrog Student chooses to cancel this appearance sign-up. 4.　The System validates that this sign-up cancellation is allowed. (See BR-12) 5.　The System asks the SuperFrog to confirm the cancellation. 6.　The SuperFrog Student confirms the cancellation. 7.　The System updates the status of the request from "Assigned" to "Approved". 8.　The System removes this request from the SuperFrog Student's personal schedule. This cancellation is stored. 9.　The System notifies relevant actors about the assignment according to the "Notification" defined in the Associated Information of this use case. 10.　Use case ends.		
Extensions:	**4a. The appearance event is less than 2 days from the current time:** 　　4a1. The System alerts the SuperFrog Student that it is too late to cancel an appearance sign-up. She needs to contact the Spirit Director. 　　4a2. Use case terminates.		
Priority:	High		
Frequency of Use:	Approximately 7 users, average of * usages per week.		
Business Rules:			
Associated Information:	Notification: 　● The System notifies the Spirit Director and the Customer that the request's SuperFrog sign-up has been canceled by a SuperFrog Student. 　● The System notifies all SuperFrog Students that a new approved request needs sign-up. The SuperFrog Student shall be able to cancel this process at any time prior to submitting it.		
Related Use Cases:			
Assumptions:			
Open Issues:			

Use Case 24: The SuperFrog Student marks an appearance as completed

UC ID and Name:	UC-24: Mark an assigned appearance as completed
Created By:	Date Created:
Primary Actor:	SuperFrog Student Secondary Actors: Spirit Director, Customer
Trigger:	The SuperFrog Student indicates to mark an "Assigned" appearance request as "Completed".
Description:	The SuperFrog Student wants to mark an appearance request as "Completed", so that she can let the Spirit Director and the Customer know that she has completed this appearance.
Preconditions:	PRE-1. The SuperFrog Student is logged into the System. PRE-2. There exists at least one assigned appearance request for this SuperFrog Student.
Postconditions:	POST-1. The appearance request is updated in the System with a status of "Completed".
Main Success Scenario:	1. The SuperFrog Student indicates to mark an "Assigned" appearance request as "Completed". 2. The SuperFrog Student views the details of an appearance request from her personal schedule. 3. The SuperFrog Student chooses to mark this assigned appearance as "Completed". 4. The System validates that the end time of the event is earlier than the current System time. 5. The System updates the status of the appearance request from "Assigned" to "Completed". 6. The System notifies relevant actors about the completion according to the "Notification" defined in the Associated Information of this use case. 7. Use case ends

Extensions:	**1a. The SuperFrog Student forgets to mark a completed request as "Completed":**
	   1a1. The System updates the status of the appearance request from "Assigned" to "Completed" after a grace period (2 days) from the date of this appearance.
	   1a2. Returns to step 6 of the normal flow.
	4a. The event has not finished yet:
	   4a1. The System alerts the SuperFrog Student that it is too early to confirm the appearance has been completed and then terminates the use case.

Priority:	High
Frequency of Use:	Approximately 7 users, average of 2 usages per week.
Business Rules:	

Associated Information:	Notification:
	   ● The System notifies the Spirit Director that the appearance request has been completed by this SuperFrog Student.
	   ● The System notifies the Customer that her appearance request has been fulfilled by this SuperFrog Student.
	The SuperFrog Student shall be able to cancel the process at any time prior to submitting it.

Related Use Cases:	
Assumptions:	
Open Issues:	

Use Case 25: The Spirit Director reverses an approval/rejection decision of an appearance request

UC ID and Name:	UC-26: Reverse an approval/rejection decision of an appearance request
Created By:	Date Created:
Primary Actor: Spirit Director	Secondary Actors: Customer, SuperFrog Student
Trigger:	The Spirit Director indicates to reverse the approval/rejection decision of an appearance request.
Description:	The Spirit Director wants to reverse the approval/rejection decision of an appearance request, so that she has an opportunity to change her mind for a request. See BR-9.
Preconditions:	PRE-1. There exists at least one "Approved" or "Rejected" request in the System. PRE-2. The Spirit Director is logged into the System. PRE-3. The User has the "admin" privilege.
Postconditions:	POST-1. The appearance request is updated in the System with the modified status. POST-2. If a "Rejected" appearance request is approved, the appearance is added to the Spirit Team calendar so that the requested time becomes unavailable to future appearance requests. POST-3. If an "Approved" appearance request is rejected, the request is removed from the Spirit Team calendar so that the requested time becomes available again to future appearance requests.
Main Success Scenario:	1. The Spirit Director indicates to reverse the approval/rejection decision of an appearance request. 2. The Spirit Director views the details of this appearance request through <u>UC-7: View an appearance request</u>. 3. The Spirit Director chooses to reverse the approval/rejection decision of this appearance request. Step 4-8: rejecting an "Approved" appearance request. Step 9-14: approving a "Rejected" appearance request. 4. The Spirit Director chooses to reject the request. 5. The System asks the Spirit Director to confirm the rejection. 6. The Spirit Director confirms the rejection and enters a reason. 7. The System updates the status of the request from "Approved" to "Rejected". 8. The System removes the request from the Spirit Team calendar. 9. The Spirit Director chooses to approve the request. 10. The System validates the approval. 11. The System asks the Spirit Director to confirm the approval. 12. The Spirit Director confirms the approval. 13. The System updates the status of the request from "Rejected" to "Approved". 14. The System adds the request to the Spirit Team calendar. 15. The System notifies relevant actors about the reversal of the request according to the "Notification" defined in the Associated Information of this use case. 16. Use case ends.
Extensions:	**10a. There exists conflicting "Approved" request on the Spirit Team calendar:** 10a1. The System alerts and shows the conflicts. 10a2. Use case ends.
Priority:	High

Frequency of Use:	Approximately *** user, average of *** usages per week.
Business Rules:	BR-10
Associated Information:	Notification: • The System notifies the Customer about the reversal. • For approval, the System notifies all SuperFrog Students that a new "Approved" request needs sign-up. • The System sends the Spirit Director an email message confirming the reversal. The Spirit Director shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases:	
Assumptions:	SuperFrog students have not been assigned to an approved appearance request.
Open Issues:	

Use Case 26: The Spirit Director marks an appearance as incomplete

UC ID and Name:	UC-26: Mark an appearance as incomplete		
Created By:		Date Created:	
Primary Actor:	Spirit Director	Secondary Actors:	Customer, SuperFrog Student
Trigger:	The Spirit Director indicates to mark an appearance request as "Incomplete".		
Description:	The Spirit Director wants to mark an appearance request as "Incomplete", so that she can record the fact that a SuperFrog Student failed to complete an assigned appearance.		
Preconditions:	PRE-1. The Spirit Director is logged into the System. PRE-2. There exists at least one "Assigned" or "Completed" appearance request.		
Postconditions:	POST-1. The request is updated in the System with a status of "Incomplete".		
Main Success Scenario:	1. The Spirit Director indicates to mark either an "Assigned" or "Completed" appearance request as "Incomplete". 2. The Spirit Director views the details of this appearance request through UC-7: View an appearance request. 3. The Spirit Director chooses to mark this appearance as "Incomplete". 4. The System validates that the end time of the event is earlier than the current System time. 5. The System updates the status of the request to "Incomplete". 6. The System notifies relevant actors about the completion according to the "Notification" defined in the Associated Information of this use case. 7. Use case ends.		
Extensions:	**4a. The event has not finished yet:** 4a1. The System alerts the Spirit Director that it is too early to confirm the appearance is incomplete and then terminates the use case.		
Priority:	High		
Frequency of Use:	Approximately 7 users, average of 1 usage per week.		
Business Rules:			
Associated Information:	Notification: • The System notifies the SuperFrog Student that the appearance request is incomplete. • The System notifies the Customer that her appearance request is incomplete. The Spirit Director shall be able to cancel the process at any time prior to submitting it.		
Related Use Cases:			
Assumptions:			
Open Issues:			

Business Rules

BR-1: Requests must be submitted at least 14 days prior to the event date to be considered.

BR-2: TCU Spirit Team only services requests that are within a 100-mile radius from Amon G. Carter Stadium. If the appearance is the day before game day, the appearance location must be within 10 miles from Amon G. Carter Stadium.

BR-3: TCU Spirit Team may reject the request due to the inappropriateness of its event type. E.g., not following University Guidelines or TCU Spirit Guidelines. Possible event type:
- TCU Event
- Public School/Non-Profit Event
- Private/Residential Event

BR-4: TCU Spirit will not make appearances on TCU game days.

BR-5: Due to university rules, TCU Spirit will not make appearances during dead (study) days, finals week, or major holidays including, but not limited to, New Year's Eve and Day, MLK Day, 4th of July, Thanksgiving Day, Christmas Eve or Day.

BR-6: TCU Spirit Team has until 5 days prior to the date of the event to accept or reject a request.

BR-7: All appearances are paid. Prices are based on a 1-hour appearance; additional fees may apply if more than one hour. Payment must be made after receiving an appearance request approval email, and a minimum of 24 hours prior to the event or it will be canceled. See more at https://superfrog.tcu.edu/terms-conditions.

BR-8: Transportation Terms. Must include mileage if location is more than 2 miles from Amon G. Carter Stadium and include any parking fees/expenses. If more than 2 miles from TCU, a $0.75 per mile transportation fee will be included in the appearance total.

BR-9: Even after a request is approved, it is still subjected to immediate cancellation due to a TCU Athletic Department function, weather, or an emergency. Immediate notice will be given in the event of cancellation.

BR-10: A SuperFrog can never appear in public at more than 1 place at the same time. If multiple pending requests compete for the same or overlapping date and time, it is up to the Spirit Director to decide which one to accept. Usually, the FCFS rule applies.

BR-11: The SuperFrog suit is **NOT** rented out to a third party.

BR-12: Once signed up, a SuperFrog may cancel an appearance sign-up until 2 days prior to the date of the event.

BR-13: The Customer may cancel a submitted request at any time, as long as cancellation occurs at least 24 hours before the event date and time. Cancellation within 24 hours prior to the event date and time will not be refunded.

BR-14: Social security numbers of SuperFrog Students must be filled in by hand as Spirit Team is not authorized to store them.

BR-15: The Customer can edit "Pending", "Approved", or "Assigned" requests.