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=""></dd> |
| <document identifier=""></document> | |

Revision History

| Date | Version | Description | Author |
|------------------------|-------------|---------------------|---------------|
| <dd mmm="" yy=""></dd> | <x.x></x.x> | <details></details> | <name></name> |
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| SuperFrog Scheduler | Version: <1.0> |
|-------------------------------------|------------------------------|
| Use Cases | Date: <dd mmm="" yy=""></dd> |
| <document identifier=""></document> | |

Table of Contents

| Use Case List | 4 |
|---------------------------------------------------------------------------------------------------|----|
| Use Case 1: The Customer requests a SuperFrog appearance | 7 |
| Use Case 2: The Customer edits request details | 10 |
| Use Case 3: The Customer cancels a submitted request | 14 |
| Use Case 4: The Spirit Director approves/rejects an appearance request | 15 |
| Use Case 5: The Spirit Director requests a SuperFrog for TCU events | 17 |
| Use Case 6: The Spirit Director/SuperFrog Student finds appearance requests | 19 |
| Use Case 7: The Spirit Director/SuperFrog Student views an appearance request | 21 |
| Use Case 8: The Spirit Director edits basic information of a request | 22 |
| Use Case 9: The Spirit Director assigns a SuperFrog Student to an approved request | 25 |
| Use Case 10: The Spirit Director changes SuperFrog Student sign-up of an assigned request | 26 |
| Use Case 11: The Spirit Director cancels a SuperFrog Student sign-up of an assigned request | 28 |
| Use Case 12: The Spirit Director cancels an approved appearance request | 30 |
| Use Case 13: The Spirit Director creates an account for a new SuperFrog Student | 32 |
| Use Case 14: The Spirit Director deactivates the account of a SuperFrog Student | 34 |
| Use Case 15: The Spirit Director finds SuperFrog Students | 35 |
| Use Case 16: The Spirit Director views a SuperFrog Student account | 37 |
| Use Case 17: The Spirit Director manages the Spirit Team calendar | 39 |
| Use Case 18: The Spirit Director generates TCU Honorarium (Payment for services) Request Forms | 41 |
| Use Case 19: The Spirit Director generates a SuperFrog Students performance report | 44 |
| Use Case 20: The SuperFrog Student edits profile information | 46 |
| Use Case 21: The SuperFrog Student manages personal schedule | 48 |
| Use Case 22: The SuperFrog Student signs up an appearance | 50 |
| Use Case 23: The SuperFrog Student cancels an appearance sign-up | 52 |
| Use Case 24: The SuperFrog Student marks an appearance as completed | 53 |
| Use Case 25: The Spirit Director reverses an approval/rejection decision of an appearance request | 54 |
| Use Case 26: The Spirit Director marks an appearance as incomplete | 55 |
| Business Rules | 57 |

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

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

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

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 | |

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

| | 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 | | |

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

Use Case 1: The Customer requests a SuperFrog appearance

| UC ID and Name: | UC-1: Request a SuperFrog | appearance | | | | |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------|------------|----------------|-----------------|
| Created By: | | Date Cre | eated: | | | |
| Primary Actor: | Customer | Secondary A | | Spirit Di | rector | |
| Trigger: | | | | | | |
| Description: | The Customer indicates to request a SuperFrog appearance for an event. The Customer wants to request a SuperFrog appearance for an event, so that a SuperFrog | | | | | |
| Description. | can show up and entertain | | | | event, so th | at a Superi rog |
| Preconditions: | can show up and entertain | ne gaests daring t | 10 0 1011 | ·• | | |
| Postconditions: | POST-1. The new request i | s stored in the Syst | tem with | ı a status | of "Pending | ,, |
| Main Success | The Customer indicate | | | | | |
| Scenario: | 2. The System displays a | | _ | | c for an eve | 111. |
| Section 10. | 3. The Customer views a | | | | ne | |
| | 4. The System asks the C | | | | | ording to the |
| | "Details" defined in the | | | | - | ording to the |
| | 5. The Customer enters of | | | | | has finished. |
| | 6. The System validates | | - | | | |
| | Associated Information | | | 8 | | |
| | 7. The System validates | | the nev | v request | will not dup | licate any |
| | existing request accor- | | | | | |
| | Associated Information | n of this use case. | | | | |
| | 8. The System displays t | he details of the ne | w reque | est, terms | & condition | is of a TCU |
| | Spirit Appearance, tot | al cost (SuperFrog | cost an | d mileage | e cost, see B | R-7 and BR-8), |
| | | and asks the Customer to confirm the creation. | | | | |
| | 9. The Customer either a | | | | | |
| | 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 | | | | | |
| | | | | validatio | on rule is vio | lated and |
| | displays the nature and | | | 4 4 | C - C41 | 1 (1 |
| | 6a2. The Customer corr | | | | | mai flow. |
| | 7a. The System finds poss | | | | | anta almandu |
| | 7a1. The System alerts the Customer that the request she is trying to create already | | | | | |
| | exists in the System. | ndle it have | | | | |
| | 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: | Approximately · · · usel, average of 2 usages per week. | | | | | |
| Associated | Details: | | | | | |
| Information: | Property name Data type Editability Validation rule Effect of Reference to | | | | | |
| mioimation. | operty mile Data t | P- Zamonity | · and | | change | glossary |
| | First name String | Yes | Requir | | | |
| | Last name String | Yes | Requir | ed | | |

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

| 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

| Use Cases Date: <dd mmm="" yy=""> <document identifier=""> Checks whether the input value is a number having up to certain number of digits and certain number of fractional digits </document></dd> | SuperFrog Scheduler | | Version: <1.0> | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--|--|
| 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. | Use Cases | Date: <dd mmm="" yy=""></dd> | | | |
| 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. | <document identifier=""></document> | | | | |
| 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. | | | | | |
| 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 | | digits and certain number of fractional digit Checks whether the input value is strictly prinvalid Checks whether the input value is positive of the checks whether the input value is strictly prinvalid Checks whether the input value is negative | its ositive. Zero values are considered or zero egative. Zero values are considered or zero | | |
| Related Use Cases | | Checks whether the specified character seq max (inclusive) Checks whether the specified character seq Checks whether the specified character seq Checks whether the specified string matche | nuence is a valid email address nuence is a valid phone number as the provided regular expression | | |
| Assumptions: | Related Use Cases | | | | |
| | Assumptions: | | | | |

Open Issues:

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

Use Case 2: The Customer edits request details

| UC ID and Name: | UC-2: Edit request detai | ls | | | | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|--------------------------------|---------------|-----------------------------------------------|
| Created By: | | | Date Created: | | | |
| Primary Actor: | Customer | Sec | condary Actors: | | or, SuperFr | og Student |
| Trigger: | The Customer indicates | | | | | |
| Description: | The Customer wants to e | | | | | ovide the |
| | most recent SuperFrog r | | | | - | - 1 |
| Preconditions: | PRE-1. A request of the | | | | | either |
| | "Pending" or "Approved | | | • | | |
| Postconditions: | POST-1. Changes made | | | | | |
| Main Success | The Customer indicate | | | | perFrog ap | pearance |
| Scenario: | request. The Custon | | | | | |
| | 2. The System retrieve | | | | | |
| | 3. The Customer choo | - | • | | | |
| | 4. The System asks th | | | | t where all | owed |
| | according to the "D | | | | | |
| | "Security/access co | | | | | |
| | 5. The Customer make | es changes | to this request u | intil she confirm | s that she | nas finished |
| | changing. | | | | | |
| | 6. The System validat | | | | | |
| | according to the "D | | | | | ise case. |
| | 7. The Customer ackn | | | | | |
| | 8. The System display | | | | | ditions 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 ch | | | l flow) or choos | es to conti | nue to |
| | change the details (| | | | | |
| | 10. The System saves t | | | | | |
| | "Details" defined in | | | on of this use cas | se, and info | orms the |
| | Customer that this | | | | | |
| | 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 rul | | | 1:1 :: | 1 1 . | 1 1 |
| | 6a1. The System aler | | | out validation ru | le is violate | ed 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: | | orrects the | mistake and ret | ums to step o of | ше погта | 1 110W. |
| | | High | | | | |
| Frequency of Use: | Approximately *** user, average of *** usages per week. | | | | | |
| Business Rules: | BR-15 | | | | | |
| Associated | Details: Property Data | Editability | Validation | Effect of change | Warning | Reference |
| Information: | name type | Editability | rule | Effect of change | warming | to glossary |
| | First name String | Yes | Required | No change to the | | , <u>, , , , , , , , , , , , , , , , , , </u> |
| | | | | status of the | | |
| | Lost name Ct | Vac | Dogwing J | request | | |
| | Last name String | Yes | Required | No change to the status of the | | |
| | | | | request | | |

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

| 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/floo r, 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 Scheduler | Version: <1.0> |
|-------------------------------------|------------------------------|
| Use Cases | Date: <dd mmm="" yy=""></dd> |
| <document identifier=""></document> | |

| | | | | 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

| SuperFrog Scheduler | Scheduler Version: <1.0> | | |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--|
| Use Cases | | Date: <dd mmm="" yy=""></dd> | |
| <document identifier=""></document> | | | |
| | Checks whether the input value is negative Checks whether the input value is between | | |
| | Text: Checks whether the specified character seq max (inclusive) Checks whether the specified character seq Checks whether the specified character seq Checks whether the specified string matched | nuence is a valid email address nuence is a valid phone number | |
| | The Customer shall be able to cancel the use case at | any time prior to submitting it. | |
| Related Use Cases: | | | |
| Assumptions: | | | |

Open Issues:

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

Use Case 3: The Customer cancels a submitted request

| UC ID and Name: | UC-3: Cancel a submitted red | nuest | | | | |
|--------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------|--|--|--|
| Created By: | 3. Cuncor a sacrimited re- | Date Created: | | | | |
| Primary Actor: | Customer | Secondary Actors: | Payment System, Spirit Director, | | | |
| Timary rictor. | Customer | Secondary Fictors. | SuperFrog Student | | | |
| Trigger: | The Customer indicates to ca | ncel a submitted Superl | | | | |
| Description: | The Customer wants to cancel a request so that she can inform the TCU Spirit Team that | | | | | |
| 1 | she no longer wants a SuperF | | 1 | | | |
| Preconditions: | | | ed to the System and is in either | | | |
| | "Pending" or "Approved" or | | - | | | |
| Postconditions: | POST-1. The request is upda | ted in the System with a | status of "Canceled by the | | | |
| | customer". | | | | | |
| Main Success | | | uperFrog appearance request. The | | | |
| Scenario: | Customer provides the u | | | | | |
| | | | lisplays it to the Customer. | | | |
| | | | nd chooses to cancel the request. | | | |
| | | | asks the Customer to confirm the | | | |
| | cancellation. (See BR-13 5. The Customer reads and | <i>*</i> | ation policy | | | |
| | 5. The Customer reads and6. The Customer confirms | | ation policy. | | | |
| | 7. The System marks the re | | he customer" | | | |
| | 8. The System has the Payr | 1 | | | | |
| | 9. The System notifies relevant actors about the cancellation according to the | | | | | |
| | "Notification" defined in | | • | | | |
| | 10. Use case ends. | | | | | |
| Extensions: | 7a. Canceling an approved | request which has alre | eady been signed up by a | | | |
| | SuperFrog Student: | | | | | |
| | 7a1. The System marks th | | | | | |
| | | | 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 | | n date and time: | | | |
| Priority: | High | the normal now. | | | | |
| Frequency of Use: | Approximately *** users, av | erage of one usage per o | lav. | | | |
| Business Rules: | BR-13 | orago or one asago per c | | | | |
| Associated | Notification: | | | | | |
| Information: | The System sends the Customer an email message confirming the request has | | | | | |
| | been canceled. | | | | | |
| | The System sends a | notification to the Spiri | t Director. | | | |
| | | | ned SuperFrog Student. | | | |
| | The Customer shall be able to | o cancel the process at a | any time prior to submitting it. | | | |
| Related Use Cases: | | | | | | |
| Assumptions: | | | | | | |
| Open Issues: | | | | | | |

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

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

| UC ID and Name: | IIC-4: Approve/reject an app | earance request | | |
|-------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------|--|
| Created By: | UC-4: Approve/reject an appearance request Date Created: | | | |
| Primary Actor: | Spirit Director | Secondary Actors: | Customer SuperFree Student | |
| | | | Customer, SuperFrog Student | |
| Trigger: | The Spirit Director indicates to approve/reject a SuperFrog appearance request submitted | | | |
| D : '. | by a Customer. | · | T | |
| Description: | | | erFrog appearance request at least 5 | |
| | | | omer will get a decision on her | |
| | | | sign up if the request is approved. | |
| Preconditions: | PRE-1. The Spirit Director is | | | |
| | PRE-2. There exists at least of | C 1 | n the System. | |
| | PRE-3. The User has the "ad | | | |
| Postconditions: | POST-1. The "Pending" requ | est is updated in the Sys | stem with a status of either | |
| | "Approved" or "Rejected". | | | |
| | POST-2. If approved, the req | | | |
| | requested date and time beco | mes unavailable to futu | re requests. | |
| Main Success | The Spirit Director indi- | cates to approve/reject a | SuperFrog appearance request | |
| Scenario: | submitted by a Custome | er. | | |
| | The Spirit Director view | vs the details of this "Pe | nding" appearance request through | |
| | UC-7: View an appeara | | | |
| | The Spirit Director chooses | | | |
| | | | g" requests, alerts the Spirit Director | |
| | | | r competing "Pending" requests (See | |
| | BR-10), and asks the Sp | pirit Director to confirm | 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 cho | oses to reject this requ | est (See BR-2, BR-3, BR-4, BR-5): | |
| | 3a1. The System asks the | | | |
| | 3a2. The Spirit Director of | confirms the rejections a | nd 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 e | 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 | Notification: | <u> </u> | | |
| Information: | The System notifies the Customer of the decision. A link for payment is also | | | |
| | included in the notification. | | | |
| - | | | | |

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

| | 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. |

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

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

| UC ID and Name: | IIC-5: Request a SuperFrog | annearance for TCLL eve | ents | |
|-------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--|
| Created By: | UC-5: Request a SuperFrog appearance for TCU events Date Created: | | | |
| | Sminit Dinastan | | Compara a Chadant | |
| Primary Actor: | Spirit Director | Secondary Actors: | | |
| Trigger: | The Spirit Director indicates | | | |
| Description: | | 1 0 11 | pearance for a TCU event such as | |
| | 1 0 | entation, so that a Super | Frog can show up and entertain the | |
| | guests during the event. | | | |
| Preconditions: | PRE-1. The Spirit Director is | | | |
| Postconditions: | | | tatus of "Assigned" or "Approved". | |
| Main Success | | | Frog appearance for a TCU event. | |
| Scenario: | | ailable date and time. (s | | |
| | - | vs and selects an availab | | |
| | | | ails of this new request according to | |
| | | the Associated Informa | | |
| | | rs the details of this new | v request and confirms that she has | |
| | finished. | | | |
| | | | s according to the "Details" defined | |
| | in the Associated Inforr | | | |
| | | | is appearance to a SuperFrog Student | |
| | by prompting a list of available SuperFrog Students. | | | |
| | | | 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 vi | | | |
| | | - | input validation rule is violated and | |
| | displays the nature and lo | | | |
| | | | returns to step 6 of the normal flow. | |
| | | oses to skip this step ar | nd 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 pe | r week. | | |
| Business Rules: | | | | |
| Associated | Details: | | | |
| Information: | | | ated Information of <u>UC-1: Request a</u> | |
| | SuperFrog appearance. | | | |
| | Notification: | | | |
| | The System sends to | he Spirit Director an em | ail message confirming the request. | |

| SuperFrog Scheduler | | Version: <1.0> | |
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| Use Cases | | Date: <dd mmm="" yy=""></dd> | |
| <document identifier=""></document> | | | |
| | | | |
| | The System either notifies the assigned SuperFrog Student about the assignmer 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:

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

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

| UC ID and Name: | UC-6: Find appearance | requests | | | |
|-------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------|--------------------|-------------------------|
| Created By: | o c o, i ma appearance | lequests | Date Created: | | |
| Primary Actor: | User (Spirit Director or | 9 | econdary Actors: | | |
| Tilliary Actor. | SuperFrog Student) | 3 | ccondary Actors. | | |
| Triggor | The User indicates to fir | ad annoard | nnoa raquasts | | |
| Trigger: | | | | | ania aa that aha aan |
| Description: | The User wants to find appearance requests which match specific criteria, so that she can | | | | |
| D 1'' | decide what to do next. | 1:1 | G | | |
| Preconditions: | PRE-1. The User is logg | | | | |
| Postconditions: | POST-1. A list of match | | rance requests is re | turned and displa | iyed to the User. It is |
| | possible that the list is e | | | | |
| Main Success | 1. The User indicates | | | | |
| Scenario: | 2. The System asks th | | | | "Search criteria" |
| | defined in the Asso | | | | |
| | 3. The User enters on | e or more | search values and | confirms that she | has finished |
| | entering. | | | | |
| | 4. The System finds a | ıll appeara | ince requests that m | natch the provided | d search criteria |
| | values. | | | | |
| | The System display | | | | |
| | | tegy" and | the "Sort criteria" of | defined in the Ass | sociated Information |
| | of this use case. | | | | |
| | 6. Use case ends. | | | | |
| Extensions: | 4a. No matching reque | | | | |
| | 4a1. The System ale | | | | |
| | 4a2. The User either chooses to <u>UC-5: Request a SuperFrog appearance for TCU</u> | | | | |
| | events 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 | | | | |
| | | 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 | Search criteria (aka search fields, search attributes/properties, search details, searchable | | | | |
| Information: | qualities): | | | | |
| | | Data type | Required | Validation rule | |
| | | String | No | | |
| | | Date | No | | |
| | | String String | No No | | - |
| | name | Jame | 110 | | |
| | | Enum | No | |] |
| | | String | No | | |
| | Student | | | | |
| | | | | | |

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

| | 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: | | |

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

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 | Secondary Actors: | | | |
| - | SuperFrog Student) | - | | | |
| Trigger: | The User indicates to view th | ne details of an appearar | nce request. | | |
| Description: | | | request, so that she can get a better | | |
| | idea of this appearance reque | est. | | | |
| Preconditions: | PRE-1. The User is logged in | nto the System. | | | |
| Postconditions: | | | uest are displayed to the User. | | |
| Main Success | 1. The User indicates to vi | ew the details of an app | earance request. | | |
| Scenario: | 2. The User finds a list of | appearance requests thre | ough <u>UC-06: Find appearance</u> | | |
| | <u>requests</u> . | | | | |
| | 3. The User views the list | and chooses to view the | details of one specific appearance | | |
| | request. | | | | |
| | | | s appearance request according to the | | |
| | | | 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 | Details: | | | | |
| Information: | Same as the "Details" defined in the Associated Information of <u>UC-01: Request</u> | | | | |
| D. L. THE C | a SuperFrog appear | | | | |
| Related Use Cases: | UC-06: Find appearance requ | | 40 4: | | |
| | | | se. After this use case succeeds, the | | |
| | User may take any of the foll | | | | |
| | UC-04: Approve/Reject an appearance request UC-08: Edit or appearance request | | | | |
| | UC-08: Edit an appearance request UC 13: Consol on approved request | | | | |
| | UC-12: Cancel an approved request UC-22: Sign up an appearance | | | | |
| | UC-22: Sign up an appearance UC-24: Mark an assigned appearance as complete | | | | |
| | 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: | - 00 20. Μαικ απ αρ | pearance as meomplete | | | |
| 55 61115 015115. | | | | | |

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

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

| UC ID and Name: | UC-8: Edit an appeara | ance re | auest | | | | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|----------------|----------------|----------------|
| Created By: | | | | e Created: | | | |
| Primary Actor: | Spirit Director | | | ry Actors: | Customer, S | SuperFrog S | Student |
| Trigger: | The Spirit Director indicates to edit the details of a SuperFrog appearance red | | | | | | |
| Description: | The Spirit Director marks to edit a SuperFrog request of all possible statuses, so that she | | | | | | |
| 2 Countries | 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 Dir | | | | | | |
| | PRE-3. The User has | | | | | | |
| Postconditions: | POST-1. The request is updated in the System. | | | | | | |
| Main Success | The Spirit Direct | | | | of a SuperFro | og appearance | ce request. |
| Scenario: | 2. The Spirit Direct | | | | | U 11 | |
| | an appearance re | | | 11 | 1 | | _ |
| | 3. The Spirit Direct | - | oses to chan | ge the detail | s of this appo | earance requ | iest. |
| | 4. The System asks | the Sp | irit Director | to make cha | anges to this | request whe | ere allowed |
| | according to the | "Detail | ls" defined i | n the Associ | ated Informa | ation and the | 2 |
| | "Security/access | | | | | | |
| | 5. The Spirit Direct | | tes changes | to this reque | st until she c | onfirms that | t she has |
| | finished changin | _ | | | | | |
| | 6. The System valid | | | | | | |
| | according to the | | | | | | |
| | | 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. On The Spirit Director either confirms the change (continues the normal flow) or | | | | | | |
| | 9. The Spirit Director either confirms the change (continues the normal flow) or chooses to continue to change the details (returns to step 5). | | | | | | |
| | | | - | , | | ge according | g to the |
| | | 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. | | | | | use cuse. | |
| Extensions: | 6a. Input validation | rule vi | olation: | | | | |
| | 6a1. The System a | | | ector that an | input validat | tion rule is v | iolated and |
| | displays the nature | | | | 1 | | |
| | 6a2. The Spirit Di | | | | returns to ste | ep 6 of the n | ormal flow. |
| | 6b. Assigned SuperF | rog St | udent not a | vailable at t | he new date | and time: | |
| | 6b1. The System a | alerts th | ne Spirit Dir | ector that the | e assigned Su | iperFrog Sti | ident is not |
| | available at the ne | available at the new date and time, and she must unassign the SuperFrog Student first. | | | Student first. | | |
| | 6b2. Use case tern | ninates | | | | | |
| Priority: | High | | | | | | |
| Frequency of Use: | Approximately *** user, average of *** usages per week. | | | | | | |
| Business Rules: | | | | | | | |
| Associated | Details: | | | | | | |
| Information: | Property name Da | | Editability | Validation | Effect of | Warning | Reference |
| | tyl | je | | rule | change | | to glossary |
| | First name Str | ing | Yes | Required | No change | | 9 , |
| | | | | | to the status | | |

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

| | | | | | of the | | |
|---|---------------------|--------|-----|--------------|---------------|-----------------|--|
| | | | | | request | | |
| | Last name | String | Yes | Required | No change | | |
| | | | | | to the status | | |
| | | | | | of the | | |
| | | | | | request | | |
| | Phone number | String | Yes | Required, | No change | | |
| | | | | (999) | to the status | | |
| | | | | 999-9999 | of the | | |
| | | | | format | request | | |
| | Email | String | Yes | Required, | No change | | |
| | | | 1 | valid email | to the status | | |
| | | | | , and ontain | of the | | |
| | | | | | request | | |
| | Date and time | | | Date and | No change | The new | |
| | Date and time | | | time must | to the status | date time | |
| | | | | be | of the | and time | |
| | | | | "Available | | | |
| | | | | date and | request. | may conflict | |
| | | | 1 | time" | | with the | |
| | | | | | | | |
| | | | | which | | schedule of | |
| | | | 1 | means there | | the current | |
| | | | | is at least | | assigned | |
| | | | | one | | SuperFrog | |
| | | | | SuperFrog | | Student. | |
| | | | | Student that | | | |
| | | | | is open | | | |
| | | | | during that | | | |
| | | | | date and | | | |
| | | | | time, see | | | |
| | | | | BR-1 | | | |
| | Type of the event | String | Yes | Required, | No change | | |
| | | | | see BR-3 | to the status | | |
| | | | | | of the | | |
| | | | | | request | | |
| | Event title | String | Yes | Required | No change | | |
| | | | | * | to the status | | |
| | | | | | of the | | |
| | | | | | request | | |
| | Name of the | String | Yes | Required | No change | | |
| | organization | Jung | 155 | required | to the status | | |
| | organization | | | | of the | | |
| | | | | | request | | |
| | Event address | Ctring | Vos | Dogwinad | | | |
| | Event address | String | Yes | Required, | No change | | |
|] | (street, | | 1 | valid US | of the | | |
| | suite/room/floor, | | | address | | | |
|] | city, state, postal | | | format | request | | |
| | code) | | | F | | | |
| | | | | Event | | | |
| | | | | location | | | |
| | | | 1 | must be | | | |
| | | | 1 | within | | | |
| | | | 1 | 100-mile | | | |
| | | | 1 | radius from | | | |
| | | | 1 | Amon G. | | | |
| | | | | Carter | | | |
| | | | 1 | Stadium, | | | |
| | | | | see BR-2, | | | |
|] | | | | BR-8 | | | |
| | Whether on TCU | String | Yes | Required | No change | | |
| | campus or not | | | 1 | to the status | | |
| | | • | - | | | | |

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

| of the | | | | |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|--|--|
| request | | | | |
| Special String Yes Required No change | | | | |
| instructions to the status | | | | |
| (parking, gate of the | | | | |
| code, location for request | | | | |
| spirit members to | | | | |
| change/ keep | | | | |
| belongings) | | | | |
| Any expenses or String Yes Required No change | | | | |
| benefits to the to the status | | | | |
| spirit team of the | | | | |
| members request | | | | |
| Any other outside String Yes Required, No change | | | | |
| organizations see BR-3 to the status | | | | |
| involved in of the | | | | |
| sponsoring the request | | | | |
| event | | | | |
| Detailed event String Yes Required, No change | | | | |
| description see BR-3 to the status | | | | |
| of the | | | | |
| request | | | | |
| Column "Effect of change" shows consequences of change other than saving. | | | | |
| | | | | |
| Natification | | | | |
| Notification: | | | | |
| The System notifies the Customer about the modification. | | | | |
| The System notifies the assigned SuperFrog Student about the modifica | ıtion. | | | |
| The System sends the Spirit Director an email message confirming the i | | | | |
| request. | | | | |
| request. | | | | |
| | | | | |
| The Spirit Director shall be able to cancel the use case at any time prior to submi | The Spirit Director shall be able to cancel the use case at any time prior to submitting it. | | | |

Confidential

Related Use Cases:
Assumptions:
Open Issues:

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

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

| UC ID and Name: | UC-9: Assign a SuperFrog S | tudent to an approved re | equest | |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--|
| 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 of | 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 upda | | | |
| | POST-2. The request is adde | | | |
| Main Success | <u> </u> | cates to assign a SuperFi | rog Student to an "Approved" | |
| Scenario: | request. | 4 1 4 1 0 4 1 | | |
| | 2. The Spirit Director view an appearance request. | s the details of this appe | earance request through UC-7: View | |
| | | rit Director to assign thi | is 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 red | quest to the SuperFrog S | Student's personal schedule. | |
| | | Spirit Director that the | request has been assigned to a | |
| | SuperFrog Student. | | | |
| | | | signment according to the | |
| | "Notification" defined in | the Associated Information | ation of this use case. | |
| F-4 | 9. Use case ends. | | | |
| Extensions: | IIi.al | | | |
| Priority: | High | as of 1 usage man week | | |
| Frequency of Use: Business Rules: | Approximately 1 user, average | ge of i usage per week. | | |
| Associated | Notification: | | | |
| Information: | | the Customer that her r | request has been assigned a | |
| information. | 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 Custom | | see and moment, the system | |
| | | | Student about this assignment. | |
| | The Spirit Director shall be a | ble to cancel the proces | s at any time prior to submitting it. | |
| Related Use Cases: | | | | |
| Assumptions: | | | | |
| Open Issues: | | | | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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Use Case 10: The Spirit Director changes SuperFrog Student sign-up of an assigned request

| UC ID and Name: | UC-10: Change the SuperFro | | 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 of | one "Assigned" request | in the System. | |
| | PRE-2. The Spirit Director is | s logged into the System | ı. | |
| | PRE-3. The User has the "admin" privilege. | | | |
| Postconditions: | POST-1. The request is upda | ted in the System with a | status of "Assigned". | |
| | | | assigned SuperFrog Student's | |
| | personal schedule. | | | |
| | 1 * | d to the newly assigned | SuperFrog Student's personal | |
| | schedule. | , , | | |
| Main Success | 1. The Spirit Director indic | ates to change the assig | ned SuperFrog Student of an | |
| Scenario: | "Assigned" request. | | | |
| | | s the details of this appe | earance request through <u>UC-7: View</u> | |
| | an appearance request. | 11 | | |
| | | rit Director to assign thi | is appearance to a SuperFrog Student | |
| | by prompting a list of available SuperFrog Students. | | | |
| | | | 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. | | | |
| | 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 Sup- | erFrog Students availa | ble for this request: | |
| | | | ere are no other available SuperFrog | |
| | Students that can be assign | - | 5 T T T T T T T T T T T T T T T T T T T | |
| | 3a2. Use case terminates. | _ | | |
| Priority: | High | | | |
| Frequency of Use: | Approximately 1 user, average of 1 usage per week. | | | |
| Business Rules: | | 90 01 1 WWW P P W W W W W W W W W W W W W W | | |
| Associated | Notification: | | | |
| Information: | | the Customer that her r | request has been signed up by a new | |
| internation. | | | ceived at this moment, the System | |
| | reminds the Custom | | | |
| | | | SuperFrog Student about the change. | |
| | | | perFrog Student about the | |
| | assignment. | | | |
| | _ | ble to cancel the proces | s at any time prior to submitting it. | |
| B | | in the comment of the process | | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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| Related Use Cases: | |
|--------------------|--|
| Assumptions: | |
| Open Issues: | |

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

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

| HCID 131 | 11011 0 1 0 5 | Q. 1 | | | | |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------|--|--|--|
| 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 as | signed 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 of | one "Assigned" request | in the System. | | | |
| | PRE-2. The Spirit Director is | | • | | | |
| | PRE-3. The User has the "ad | | | | | |
| Postconditions: | POST-1. The request is upda | | a status of "Approved". | | | |
| 1 0000 01141101101 | | | assigned SuperFrog Student's | | | |
| | personal schedule. | , ea nom me ongman | assigned superi reg student s | | | |
| Main Success | | eates to cancel a SuperFi | rog Student sign-up of an "Assigned" | | | |
| Scenario: | request. | aces to cancer a superi | 10g Student Sign up of an Assigned | | | |
| Section 10. | | e the details of this anne | earance request through <u>UC-7: View</u> | | | |
| | | | current SuperFrog Student's sign-up. | | | |
| | | | ion is allowed and asks the Spirit | | | |
| | Director to confirm the | | ion is anowed and asks the Spirit | | | |
| | 4. The Spirit Director conf | | | | | |
| | | | nally assigned SuperFrog Student's | | | |
| | personal schedule. | s request from the origin | narry assigned SuperFrog Student's | | | |
| | - | status of this request fro | om "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. | | | | | |
| Entanciana | | F C4d4 | hla fan 4hia na annas4. | | | |
| Extensions: | 3a. There are no other Sup | | | | | |
| | | - | ere 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 | | | | | |
| | _ | rrent sign-up will not al | low other SuperFrog Students to sign | | | |
| | up. | | | | | |
| | 3a2. Use case terminates. | | 41 (C DD 12) | | | |
| | | • | the current time (See BR-12): | | | |
| | <u> </u> | _ | is too late to cancel an appearance | | | |
| | | | to a different SuperFrog Student | | | |
| | | | -up of an assigned request. | | | |
| · | 3b2. Use case terminates. | | | | | |
| Priority: | High | | | | | |
| Frequency of Use: | Approximately 1 user, average | ge of one usage per wee | k. | | | |
| Business Rules: | | | | | | |
| Associated | Notification: | | | | | |
| Information: | 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. | | | | | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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| | 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: | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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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 appearance request. Or Payment of an "Approved" of event date and time. | | d" or "Assigned" SuperFrog not received 24 hours prior to the | |
| 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 Director" or "Canceled due to | | a status of "Canceled by the Spirit | |
| Main Success Scenario: Extensions: | appearance request. 2. The Spirit Director view request through UC-7: V 3. The System asks the Spi 4. The Spirit Director enter 5. The System marks the re 6. The System has the Payr 7. The System cancels the been signed up already. 8. The System notifies rele "Notification" defined in 9. Use case ends. 1a. Payment is not received la1. The System automat payment". The cancellation | s the details of this "Ap Yiew an appearance required Director to enter a resist he reason and confirmation of the reason and the Associated Information 124 hours prior to the initially updates the requirements of the reason is "Canceled" | ms the cancellation. the Spirit Director". fundup related to this request if it has uncellation according to the ation of this use case. event date and time: est's status to "Canceled due to no | |
| | 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, av | erage of one usage per | day. | |
| Business Rules: Associated Information: | reason. • The System sends a | notification to the assig | comer about this cancellation and gned SuperFrog Student about this | |
| | cancellation and rea The Spirit Director shall be a | | ss at any time prior to submitting it. | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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| Related Use Cases: | |
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| Assumptions: | |
| Open Issues: | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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Use Case 13: The Spirit Director creates an account for a new SuperFrog Student

| UC ID and Name: | LIC 12: Create | an account for | o naw SuparFra | Student | | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|-----------------|------------------|-----------------|
| | UC-13: Create an account for a new SuperFrog Student Date Created: | | | | | |
| Created By: | G : : D: . | | | | E 0: 1 : | |
| Primary Actor: | Spirit Director | | | | | |
| 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 f | or this SuperFr | og Student, so tha | t the new Su | perFrog Stude | nt can have |
| | access to the S | System and also | be properly man | aged. | | |
| Preconditions: | PRE-1. The S | pirit Director is | logged into the S | ystem. | | |
| | PRE-2. The U | PRE-2. The User has the "admin" privilege. | | | | |
| Postconditions: | POST-1. The | new account is | stored in the Syst | em. | | |
| Main Success | | | cates to create a n | | or a new Super | rFrog Student. |
| Scenario: | | | rit Director to en | | | |
| 20011113. | | | the Associated In | | | mi ut torumg to |
| | | | rs the details of th | | | ns that she has |
| | finished. | it Director enter | is the details of th | is new accou | int and commi | is that she has |
| | | em validates th | e Spirit Director's | inputs accor | ding to the "D | etails" defined |
| | | | nation of this use | • | ding to the D | ctaris defined |
| | | | at the creation of | | unt will not du | inlicate any |
| | | | ng to the "Duplic | | | |
| | | | of this use case. | ation detection | on rules deriii | ed iii tile |
| | | | | | d oalra tha Cnin | it Director to |
| | | | details of the new | v account and | u asks the Spir | it Director to |
| | | the creation. | | 4: | | 1.0 |
| | * | | er confirms the cre | ` | nues the norma | ii iiow) or |
| | | | etails (returns to s | | 1.0.00 | 1 ' 1 |
| | 8. The System creates this account with a temporary password for first login and informs the Spirit Director that this account has been created. | | | | | |
| | | | | | | 11 |
| | | | vant actors about | | | |
| | | | n the Associated I | nformation c | of this use case | |
| | 10. Use case | | | | | |
| Extensions: | - | idation rule vio | | | | |
| | | 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 S | 5a1. The System alerts the Spirit Director that the account she is trying to create | | | | |
| | already ex | already exists in the System. | | | | |
| | 5a2. The S | System displays | possible duplicat | es to the Spir | rit Director. | |
| | | | ither chooses to c | | | rn to step 4 of |
| | | | es to terminate the | | | • |
| Priority: | High | | | | | |
| Frequency of Use: | | v 1 user. averag | ge of 2 usage per s | emester. | | |
| Business Rules: | | <i>j</i> , w. | ,. <u> </u> | | | |
| Associated | Details: | | | | | |
| Information: | Property | | | | | |
| momation. | name | vype | | rule | change | glossary |
| | First name | String | Yes | Required | | |
| | Last name | String | Yes | Required | | |
| | Phone | String | Yes | Required, | | |
| | number | | | (999) | | |

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

| | | | | 999-9999 | | |
|-------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------|------------------|--|--|
| | | | | format | | |
| | Physical | String | Yes | Required, | | |
| | address | | | valid US | | |
| | | | | address format | | |
| | | | | (street, | | |
| | | | | suite/room/flo | | |
| | | | | or, city, state, | | |
| | | | | postal code) | | |
| | Email | String | Yes | Required, | | |
| | | | | valid email | | |
| | | | | | | |
| | Duplication detection rules: | | | | | |
| | • Th | 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 <u>UC-15</u> : Find SuperFrog Students but cannot find | | | | | |
| | any, then decide to create one. | | | | | |
| Assumptions: | , , , , , , , , , , , , , , , , , , , , | | 01101 | | | |
| Open Issues: | | - | - | | | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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Use Case 14: The Spirit Director deactivates the account of a SuperFrog Student

| LICID IN | HC 14 D C 4 d | , C C E C, 1 | , |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------|
| 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 | The Spirit Director indicates to deactivate the account of a SuperFrog Student. | | |
| Scenario: | 2. The Spirit Director views the details of this SuperFrog Student through <u>UC-16: View</u> | | |
| | 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 thi | | 4 0 : 4 7 4 . 4 . 4 |
| | | this account and inform | s 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. | tu iii tiie Associated iiii | ormation of this use case. |
| Extensions: | | t still has incomplete a | ssigned annearances: |
| 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 | ge of 2 usage per semest | ter. |
| Business Rules: | | | |
| Associated | Notification: | | |
| Information: | 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. | | |
| D 1 | The Spirit Director shall be a | ble to cancel the proces | s at any time prior to submitting it. |
| Related Use Cases: | | | |
| Assumptions: | | | |
| Open Issues: | | | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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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 | Se | condary Actors: | | |
| Trigger: | The Spirit Director indi | | | ents. | |
| Description: | The Spirit Director markets to find SuperFrog Students which match specific criteria, so | | | | |
| Description. | that she can decide wha | | | winen maten specific | c criteria, so |
| Preconditions: | | | | | |
| Preconditions. | PRE-1. The Spirit Direct | | | • | |
| D (11/1 | PRE-2. The User has th | | | 1 11 1 1 | 1 |
| Postconditions: | POST-1. A list of match | | | turned and displayed | to the Spirit |
| | Director. It is possible to | | | | |
| Main Success | The Spirit Director | | | | |
| Scenario: | | | | rch values according | to the "Search |
| | criteria" defined in | the Associ | ated Information of | of this use case. | |
| | The Spirit Director | enters one | or more search va | lues and confirms that | at she has |
| | finished entering. | | | | |
| | 4. The System finds a | all SuperFro | g Students that m | atch the provided sea | rch criteria |
| | values. | - | | • | |
| | 5. The System displa | vs the matc | hing SuperFrog St | tudents according to t | he "Search |
| | | | | defined in the Associa | |
| | of this use case. | 23 | | | |
| | 6. Use case ends. | | | | |
| Extensions: | 4a. No matching stude | nts are fou | nd. | | |
| Extensions. | | | | matching SuperFrog | Students are |
| | found. | rts the opni | t Director that no | matering superi rog | Students are |
| | | ctor either c | hooses to LIC-13: | Create an account fo | r a new |
| | | | | e case or chooses to re | |
| | of the normal flow. | or chooses t | o terminate the us | e case of chooses to f | eturn to step 2 |
| | | . ahaasas ta | anlant a differen | t ant of munmouting to | diamles: the |
| | 5a. The Spirit Director | | select a uniteren | t set of properties to | display the |
| | matching SuperFrog S | | | -141:1 | |
| | | | | ults 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 | | | | |
| | 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 *** use | r, average o | f *** usages per v | veek. | |
| Business Rules: | | | | | |
| Associated | Search criteria (aka sear | ch fields, se | earch attributes/pr | operties, search detail | ls, searchable |
| Information: | qualities): | | | | |
| | Search Data type | Options | Validation rule | Security/access | Reference to |
| | property | | | concerns | glossary |
| | name | 1 77 | D | | |
| | First name String | Yes | Required | | |
| | Last name String | Yes | Required (000) | | |
| | Phone String number | Yes | Required, (999) 999-9999 format | | |
| | Email String | Yes | Required, valid em | ail | |
| | Eman Sumg | 103 | 1 Acquired, valid elli | u11 | |

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

| | 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 |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D. L. LILL C | |
| 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: | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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Use Case 16: The Spirit Director views a SuperFrog Student account

| UC ID and Name: | UC-16: View a Su | merFrog St | udent account | | |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|--------------------------|----------------------------------|
| Created By: | OC 10. VICW a St | iperriog be | Date Created | . | |
| Primary Actor: | Spirit Director | | Secondary Actors | _ | |
| Trigger: | _ | r indicates | | | og Student account |
| Description: | 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 con | | | offic detail | is, personal schedule, and |
| Preconditions: | | | s logged into the Syste | ım | |
| i reconditions. | PRE-2. The User | | | 111. | |
| Postconditions: | | | | ident acco | unt are displayed to the |
| i osteonations. | Spirit Director. | iis or the sp | seemed superi rog st | adent deco | unt are displayed to the |
| Main Success | _ | rector indi | cates to view the detail | ls of a Sur | perFrog Student account. |
| Scenario: | | | | | ounts through <u>UC-15: Find</u> |
| Sconario. | SuperFrog St | | s a list of superi log s | rudom doc | ounts unough oo is. I mu |
| | | | vs the list and chooses | to view th | e details of one specific |
| | SuperFrog St | | | | 1 |
| | | | nd displays details of t | his SuperF | rog Student account |
| | | | s" defined in the Asso | | |
| | "Security/aco | cess concer | ns" defined in the Bus | siness Rule | es of this use case. |
| | The Spirit Di | rector viev | vs the details of this S | uperFrog S | Student. |
| | Use case end | S. | | | |
| Extensions: | | | | | |
| Priority: | High | | | | |
| Frequency of Use: | | | ge of 8 usages per mo | nth. | |
| Business Rules: | Security/access co | | | | |
| | | rit Director | can access all the info | ormation of | f a SuperFrog Student. |
| Associated | Details: | D. () | 9 ** / | D. C | 7 |
| Information: | Property name | Data type | Security/access concerns | Reference to glossary | |
| | First name | String | 00.0000 | to g rowening | 1 |
| | Last name | String | | | 7 |
| | Phone number | String | | | 1 |
| | Physical address | String | | | † |
| | Email | String | | | |
| | Personal schedule | - | | | 1 |
| | A list of signed-up | List | | | 1 |
| | appearances | | | | _ |
| | A list of completed | List | | | |
| | appearances | | | | _ |
| Related Use Cases: | IIC_15: Find Suna | rFrog Stud | lants | | |
| 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 | | | | |
| | | | og Student account (T | | |
| Assumptions: | | • | | , | |
| • | | | | | |
| Open Issues: | | | | | |

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

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

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

| UC ID and Name: | UC-17: Manage the Spirit Tear | m calendar | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Created By: | | Date Created: | |
| Primary Actor: | Spirit Director | Secondary Actors: | |
| Trigger: | The Spirit Director indicates to | | am calendar. |
| Description: | The Spirit Director wants to create events on the Spirit Team calendar to block out time | | |
| _ **** | for dead (study) days, finals w | - | |
| | request SuperFrog appearances | | · |
| | | | |
| | The Spirit Director also wants | to edit and delete ever | nts from the calendar, so that the |
| | calendar reflects the most accu | | ŕ |
| Preconditions: | PRE-1. The Spirit Director is 1 | ogged into the System | |
| | PRE-2. The User has the "adm | - | |
| Postconditions: | POST-1. The calendar is updat | | |
| Main Success | 1. The Spirit Director indica | | rit Team calendar. |
| Scenario: | | | Spirit Director to select the |
| | operations. | | |
| | • Create a new event (s | step 4-8) | |
| | Edit an existing even | t (step 9-13) | |
| | Delete an existing ev | | |
| | 3. The Spirit Director selects | s one out of the three of | operations. |
| | | | |
| | | selection in step 3, the | e flow goes through either step 4-8, or |
| | step 9-13, or step 14-17. | | |
| | - | | e-time event (e.g., finals week) or a |
| | recurring event. For each | | etor provides: |
| | • Event title (e.g., final | | |
| | Start date and time as | | alala |
| | | and end date if applic | able |
| | 5. The System validates the creation. 6. The System displays the details of the new event and asks the Spirit Director to | | |
| | 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 det | | (continues the normal now) of |
| | | | Spirit Director that the calendar has |
| | been updated. | ation and mitoring the | Spirit Bricotor that the carefical has |
| | - | s to edit an existing ev | ent. For each event, the Spirit |
| | Director can modify: | z | one of the control of |
| | Event title | | |
| | Start date and time ar | nd end date and time | |
| | Recurrence start date | and end date if applic | able |
| | 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 det | | |
| | 13. The System saves the change and informs the Spirit Director that the calendar has | | |
| | been updated. | | |
| | 14. The Spirit Director select | s to delete an existing | event. |

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

| | 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 | The Spirit Director shall be able to cancel the process at any time prior to submitting it. |
| Information: | 2 2 = |
| Related Use Cases: | |
| Assumptions: | |
| Open Issues: | |
| Open issues. | |

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

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

| UC ID and Name: | UC-18: Generate TCU Hono | rarium (Payment for ser | rvices) 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 PRE-2. The User has the "ad | min" 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: | POST-1. The details of the report are returned and displayed to the Spirit Director. | | |
| Extensions: | 13. Use case ends.4a. Input validation rule vida1. The System alerts the displays the nature and longer | e Spirit Director that an | input validation rule is violated and |

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

| | 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-1 <mark>4</mark> | |
| Associated | Report generating parameters: | |
| Information: | 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): | |

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

| | Texas Christian University Honorarium (Payment for Services) Request This document must be completed print bissuing payment. Submit completed form to Accounts Payable. Sadiler Hall strict, Truct Desc 201711. |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Mail Check: Pick Up Check |
| | Name |
| | Tax ID # or SSN # International: □ Yes □ No |
| | Permanent Address |
| | Amount |
| | Authorized Codes Codes Codes |
| | Approver's Name: |
| | Approver's Signature: |
| | Atlach a copy of written agreement or explain the nature and DATE OF SERVICES parformed. |
| | |
| | YES NO |
| | 2. In this includidual presently in the employ of Texas Christians University or Data Dutwity School? If the answer to question 2 " " yee" ye, yed not need to complete the remaindered or office of this form. |
| | 3. Made this includated comply with institutions about when and too services are performed? 4. In this includated institution to the contensity to perform the services? |
| | is the service samilar to services generacy performed by other University reproject? is the individual assignation of but invently reprojects assist from or face? |
| | 7. Does this individual perform the same service for the Livinering on a Request basis? 8. Does the Livinering byth the bots, meleties and supplies recessary to complete the essignment? |
| | 9. May this individual determine his or her own working hours? 10. Does this individual market his or her services to be 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. |
| | етирноу ее апи эколе иле разутет от а разутот стеск этип аррипское какез этители. Rev 2/23 не |
| | 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. |
| D 1 / 111 C | above 1 b1. |
| 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: | |

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

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

| UC ID and Name: | UC-19: Generate a SuperFro | g 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 | | |
| | | | number of appearances completed |
| | and canceled by each SuperF | • | |
| Preconditions: | PRE-1. The Spirit Director is | | |
| i reconditions. | PRE-2. The User has the "ad | | |
| Postconditions: | | | isplayed to the Spirit Director. |
| | | | |
| Main Success | | | erFrog Students performance report. |
| Scenario: | | | configurable report generating |
| | | | parameters" defined in the |
| | Associated Information | | |
| | | rs the required parameter | ers and confirms that she has finished |
| | entering. | | |
| | | | ording to the "Report generating |
| | parameters" defined in | | |
| | | | ccording to the "Report generating |
| | | | on of this use case and displays to the |
| | | | ting parameters" defined in the |
| | Associated Information | | |
| | | | ding to the specified report |
| | disposition in the specif | ied format in the "Repo | rt generating parameters" defined in |
| | the Associated Information | tion of this use case. | |
| | 7. Use case ends. | | |
| Extensions: | 4a. Input validation rule vi | olation: | |
| | 4a1. The System alerts th | e Spirit Director that an | input validation rule is violated and |
| | displays the nature and location of the error. | | |
| | | | returns to step 4 of the normal flow. |
| | 5a. No data is returned: | | • |
| | | e Spirit Director that no | data is available in the generated |
| | report. | - r | |
| | | either chooses to return t | to step 3 of the normal flow or |
| | chooses to terminate the | | |
| Priority: | High | | |
| Frequency of Use: | Approximately 1 user, average | ge of 1 usage per month | |
| Business Rules: | representation in user, average | 20 of 1 asage per monar | • |
| Associated | Report generating parameter | g. | |
| Information: | | s. rog Students performan | ce report |
| miormanon. | Report title: SuperF Data source: The Sy | | ee report |
| | | | aravidas a list of surrent CumarErs ~ |
| | | | provides a list of current SuperFrog |
| | | eriod to consider for the | |
| | | | ent name, number of completed |
| | | imper of canceled appea | arance within the specified time |
| | period | /. 11 1 · · · · · · · · · | |
| | Report visualization | ı (table, charts, graph): t | able displayed in the System |

| SuperFrog Scheduler | | Version: <1.0> |
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| Use Cases Date: <dd mmm="" yy=""></dd> | | Date: <dd mmm="" yy=""></dd> |
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| | | |
| | Sorting criteria: SuperFrog Student last nam Pagination criteria if table visualization is seed to Disposition of the report after it is generated printed Format of the generated report: PDF Report generating algorithm: The System only considers the SuperFrog Student of SuperFrog Student first and last name of SuperFrog Student first and last name of SuperFrog Student of SuperFrog SuperF | elected: 10 per page d: displayed in the System and students provided by the Spirit |
| Related Use Cases: | | |
| Assumptions: | If the job is too large, the System prompts the Spirit immediately or to schedule a time for it to run. The Stime, based on historical run times. | |
| | | |

Open Issues:

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

Use Case 20: The SuperFrog Student edits profile information

| UC ID and Name: | UC-20: Edit profile in | formation | | | | |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------|-------------------------------------------------|------------------|-------------|
| Created By: | OC 20. East profite it | | Date Created: | | | |
| Primary Actor: | SuperFrog Student | Se | econdary Actors: | Spirit Directo | or | |
| Trigger: | The SuperFrog Student | | | | 01 | |
| Description: | The SuperFrog Studen | | | | at har profile | ` |
| Description. | 1 - | | in her proffie info | imation, so the | at nei promo | 5 |
| Dungan ditiona | information is up to d | | a a a a d i u t a tha a Caa | ~4~ | | |
| Preconditions: | PRE-1. The SuperFro | | | | · . | 1: 41 |
| Postconditions: | POST-1. Changes mad | de to this Sup | berFrog Student's | profile informa | ation are sto | red in the |
| 36 : 0 | System. | | | <u>~1 · ~ · · · · · · · · · · · · · · · · ·</u> | | |
| Main Success | | | ates to edit her pro | | | 1 1 .1 |
| Scenario: | 3 | | s details of her cu | | | |
| | | | hanges to her prof | | | wed |
| | | | fined in the Associ | | | |
| | _ | | efined in the Busir | | | |
| | | | s changes to her p | rofile informat | tion until sh | e confirms |
| | that she has finis | | | 1 1 | | |
| | | | erFrog Student's o | | | |
| | | | fined in the Associ | | | |
| | | | wledges the warn | | | |
| | 6. The System disp Student to confir | | ited profile inform | ation and alert | is the Superi | rrog |
| | | _ | e. confirms the char | na (aantinuaa | the nemal | flow) or |
| | 1 - | | | | the normal | now) or |
| | | _ | the details (return | | a a a a a redina | ta tha |
| | , | | s, carries out the e | | | |
| | "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 the | | to the Nothicatio | on defined in | the Associa | ileu |
| | 10. Use case ends. | iis use case. | | | | |
| Extensions: | 4a. Input validation | rulo violetio | n• | | | |
| Extensions. | 4a. The System a | | | nt an innut vali | dation rule | ic wiolated |
| | and displays the n | | | ıt an input van | uation ruic | is violated |
| | 4a2. The SuperFro | | | and returns to | sten 1 of th | e normal |
| | flow. | og Student co | irects the inistanc | and returns to | step + or th | C normar |
| Priority: | High | | | | | |
| Frequency of Use: | Approximately 8 user | s average of | 1 usage per seme | ster | | |
| Business Rules: | Approximately 6 user | s, average of | i usage per seme | otc1. | | |
| Associated | Details: | | | | | |
| Associated Information: | Property Data | Editability | Validation rule | Effect of | Warning | Reference |
| information: | name type | Euntability | vanuation i uic | change | waining | to |
| | | | | | | glossary |
| | First name String | Yes | Required | None | | |
| | Last name String | Yes | Required | None | | |
| | Phone String number | Yes | Required, (999) 999-9999 format | None | | |
| | Physical String | Yes | Required, valid US | None | | |
| | address | | address format | | | |
| | | | (street, suite/room/floor, | | | |
| | | | suite/100m/1100f, | | | |

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

| | | | | city, state, postal code) | | | |
|--------------------|------------------------------|-------------|------------|--------------------------------------------------------|-----------------|-------------------------|----|
| | Email | String | Yes | Required, valid email | None | | |
| | International student or not | Boolea n | Yes | Required | None | | |
| | Payment preference | Enum | Yes | Required, either "Mail Check" or "Pick Up Check" | None | | |
| | Notification: • The | v | | vs consequences of n | · | | |
| | The SuperFro | g Studen | t shall be | able to cancel the use | e case at any t | ime prior to submitting | ng |
| Related Use Cases: | | | • | | _ | | |
| Assumptions: | | | | | | | |
| Open Issues: | | | | | | | |

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

Use Case 21: The SuperFrog Student manages personal schedule

| UC ID and Name: | UC-21: Manage personal sch | nadula | | |
|-----------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------|--|
| | Date Created: | | | |
| Created By: | C | | | |
| Primary Actor: | SuperFrog Student | Secondary Actors: | 1 1 1 1 | |
| 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 S | tudent for a SuperFrog | appearance request. | |
| | Common events include taking classes at TCU (a recurring event) and one-time vacation. | | | |
| B 11.1 | | | | |
| Preconditions: | PRE-1. The SuperFrog Stude | | stem. | |
| Postconditions: | POST-1. The personal sched | | | |
| Main Success | 1. The SuperFrog Student | | | |
| Scenario: | | r current personal sched | lule and asks the SuperFrog Student | |
| | to select operations. | | | |
| | • Create a new event | | | |
| | Edit an existing even | | | |
| | Delete an existing 6 | | ,- | |
| | 3. The SuperFrog Student | selects one out of the th | aree operations. | |
| | D11 | 1 | 2. 41- 2. (1 | |
| | | - | 3, the flow goes through either step | |
| | 4-8, or step 9-13, or step 14- | | one time event (e.g. vecetion) er e | |
| | | | a one-time event (e.g., vocation) or a | |
| | | | SuperFrog Student provides: | |
| | | ftware Engineering class and end date and time | 88) | |
| | | | anhla | |
| | Recurrence start date and end date if applicable The System validates the creation. | | | |
| | | | | |
| | confirm the creation. | | | |
| | | aither confirms the cree | ation (continues the normal flow) or | |
| | chooses to modify the d | | ation (continues the normal now) of | |
| | | | SuperFrog Student that her personal | |
| | schedule has been upda | | Superi 10g Student that her personal | |
| | | | ng event. For each event, the | |
| | SuperFrog Student can | | is event. I or each event, the | |
| | • Event title | mouny. | | |
| | | and end date and time | | |
| | | te and end date if applic | cable | |
| | 10. The System validates th | | | |
| | , , , , , , , , , , , , , , , , , , , , | • | event and asks the SuperFrog Student | |
| | to confirm the change. | | | |
| | | either confirms the chai | nge (continues the normal flow) or | |
| | chooses to modify the d | | | |
| | • | | SuperFrog Student that her personal | |
| | schedule has been upda | • | 1 - 3 | |
| | 14. The SuperFrog Student | | ting event. | |
| | 15. The System asks the Su | | | |
| | 16. The SuperFrog Student | | | |
| B | , | | | |

| SuperFrog Scheduler | Version: <1.0> |
|-------------------------------------|------------------------------|
| Use Cases | Date: <dd mmm="" yy=""></dd> |
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| | 17. The Control of the control of |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 17. The System deletes the event and informs the SuperFrog Student that her personal |
| | schedule has been updated. |
| | 10. The Conserver of the deut either in director that the in-dama (conserver than 10) on |
| | 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 | The SuperFrog Student shall be able to cancel the process at any time prior to submitting |
| Information: | 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: | , and the second |
| Assumptions: | |
| Open Issues: | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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Use Case 22: The SuperFrog Student signs up an appearance

| UC ID and Name: | UC-22: Sign up an appearan | ce | | |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|
| Created By: | | Date Created: | | |
| Primary Actor: | SuperFrog Student | | Spirit Director, Customer | |
| Trigger: | The SuperFrog Student indicates to sign up for a SuperFrog appearance. | | | |
| Description: | The SuperFrog Student mulcates to sign up for a SuperFrog appearance. The SuperFrog Student wants to view the details of an "Approved" appearance request | | | |
| Description. | and sign up for this appearance. One appearance request only allows one SuperFrog | | | |
| | Student to sign up. It is "First Come, First Served". | | | |
| Preconditions: | | | stem | |
| i reconditions. | | 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. | one ripproved out and | assigned appearance request in the | |
| Postconditions: | | nearance request is und | ated in the System with a status of | |
| r osteonations. | "Assigned". | pediance request is apar | ated in the System with a status of | |
| | | uest is added to the Sun | erFrog Student's personal schedule. | |
| Main Success | | | a SuperFrog appearance. | |
| Scenario: | | | 'Approved" but unassigned | |
| Section 10. | appearance request thro | | | |
| | 3. The SuperFrog Student | | | |
| | 1 0 | C 1 | onflict with the SuperFrog Student's | |
| | personal schedule. | <i>C</i> 1 | 1 8 | |
| | 5. The System asks the Su | perFrog Student to conf | irm the sign-up. | |
| | | | -up (continues the normal flow) or | |
| | chooses to view another | chooses to view another appearance request (return to step 2). | | |
| | 7. The System updates the | status of the appearance | e request from "Approved" to | |
| | "Assigned". | J 1 11 1 11 | | |
| | 8. The System adds this ap | ppearance to the SuperFi | rog Student's personal schedule. | |
| | | | ssignment 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 | | | |
| | | e SuperFrog Student tha | at there is a time conflict, then | |
| | terminates the use case. | | | |
| | _ | | uperFrog Student or has been | |
| | assigned to another SuperF | | | |
| | - | | is request has been signed up by | |
| | others, then terminates th | | | |
| | 4c. This request has been co | | that this request has been canceled or | |
| | rejected (See UC-25), the | 1 0 | • | |
| Driority | | in terminates the use cas | SC. | |
| Priority: | High | 200 of 2 1100000 mon | le. | |
| Frequency of Use: | Approximately 7 users, average | age of 2 usages per week | Λ. | |
| Business Rules: Associated | Notification: | | | |
| Associated Information: | | the Snirit Director that | the appearance request has been | |
| illioilliauon: | signed up by a Supe | | the appearance request has been | |
| | | | appearance request has been signed | |
| | | | is not received at this moment, the | |
| | | Customer to pay the fee | | |
| | System reminds the | Customer to pay the let | ∪. | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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| | 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: | |

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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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Use Case 23: The SuperFrog Student cancels an appearance sign-up

| UC ID and Name: | UC-23: Cancel an appearance | e 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: | | | ce sign-up, so that she can let the |
| • | | | longer available for this appearance. |
| | | | |
| | Sign-up cancellation is only | allowed at least 2 days p | prior to the date of the event. |
| Preconditions: | PRE-1. The SuperFrog Stude | | |
| | PRE-2. There exists at least of | | |
| Postconditions: | | | ystem with a status of "Approved". |
| | - | | g Student's personal schedule. |
| | POST-3. The history of this of | | |
| Main Success | | | perFrog appearance sign-up. |
| Scenario: | | views the details of a si | gned-up appearance request from her |
| | personal schedule. | 1 1.11 | |
| | 3. The SuperFrog Student | | |
| | | | tion is allowed. (See BR-12) |
| | 5. The System asks the Su | | |
| | 6. The SuperFrog Student7. The System updates the | | om "Assigned" to "Approved". |
| | | | erFrog Student's personal schedule. |
| | This cancellation is stor | | or rog Student's personal senedule. |
| | | | ssignment according to the |
| | "Notification" defined i | | |
| | 10. Use case ends. | in the Hissociated inform | auton of this use case. |
| Extensions: | 4a. The appearance event is | s less than 2 days from | the current time: |
| | | | at it is too late to cancel an |
| | appearance sign-up. She | | |
| | 4a2. Use case terminates. | 1 | |
| Priority: | High | | |
| Frequency of Use: | Approximately 7 users, avera | ige of * usages per weel | k. |
| Business Rules: | | | |
| Associated | Notification: | | |
| Information: | The System notifies | the Spirit Director and | the Customer that the request's |
| | SuperFrog sign-up l | nas been canceled by a S | SuperFrog Student. |
| | · · · · · · · · · · · · · · · · · · · | all SuperFrog Students | that a new approved request needs |
| | sign-up. | | |
| | 1 0 | be able to cancel this pr | rocess at any time prior to submitting |
| D 1 - 177 G | it. | | |
| Related Use Cases: | | | |
| Assumptions: | | | |
| Open Issues: | | | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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Use Case 24: The SuperFrog Student marks an appearance as completed

| UC ID and Name: | UC-24: Mark an assigned ap | pearance 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: | | | e request as "Completed", so that she at she has completed this appearance. |
| Preconditions: | PRE-1. The SuperFrog Stude PRE-2. There exists at least of | | stem. e request for this SuperFrog Student. |
| Postconditions: | | | ystem with a status of "Completed". |
| Main Success Scenario: Extensions: | The SuperFrog Student "Completed". The SuperFrog Student schedule. The SuperFrog Student The System validates the time. The System updates the "Completed". The System notifies rele "Notification" defined in Use case ends The SuperFrog Student la1. The System updates | views the details of an a chooses to mark this assat the end time of the extra status of the appearance evant actors about the control of the Associated Information of the status of the appearance forgets to mark a control of the status of the appearance for the s | assigned" appearance request as appearance request from her personal signed appearance as "Completed". Went is earlier than the current System are request from "Assigned" to completion according to the |
| | 1a2. Returns to step 6 of a. The event has not finish | the normal flow. | |
| | | | at it is too early to confirm the |
| D | appearance has been com | pleted and then termina | tes the use case. |
| Priority: | High | | |
| Frequency of Use: Business Rules: | Approximately 7 users, avera | age of 2 usages per week | ζ. |
| Associated Information: | completed by this S The System notifies by this SuperFrog S | uperFrog Student. the Customer that her a tudent. | the appearance request has been appearance request has been fulfilled occess at any time prior to submitting |
| Related Use Cases: | | | |
| Assumptions: | | | |
| Open Issues: | | | |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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Use Case 25: The Spirit Director reverses an approval/rejection decision of an appearance request

| UC ID and Name: 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. The Spirit Director views the details of this appearance request through UC-7: View an appearance request. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| 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 UC-7: View |
| 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 UC-7: View |
| 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. 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 UC-7: View |
| 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. 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 UC-7: View |
| request, so that she has an opportunity to change her mind for a request. See BR-9. 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 UC-7: View |
| PRE-2. The Spirit Director is logged into the System. PRE-3. The User has the "admin" privilege. Postconditions: Postcondit |
| 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 UC-7: View |
| Postconditions: Postcondited in the System approach to future appearance requests and past |
| 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 UC-7: View |
| 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 UC-7: View |
| 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 UC-7: View |
| 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 UC-7: View |
| 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 UC-7: View |
| 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 UC-7: View |
| 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 UC-7: View |
| Scenario: appearance request. 2. The Spirit Director views the details of this appearance request through <u>UC-7: View</u> |
| 2. The Spirit Director views the details of this appearance request through <u>UC-7: View</u> |
| |
| an annearance request |
| |
| 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. |
| o. The System removes the request from the Spirit Team eatendar. |
| 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 |

| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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| Frequency of Use: | Approximately *** user, average of *** usages per week. |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Business Rules: | BR-10 |
| Associated | Notification: |
| Information: | 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: | appearance request as "1 The Spirit Director view an appearance request. The Spirit Director chood. The System validates the time. The System updates the | Incomplete". Incomplete". In the details of this appear at the end time of the expectation of the request to evant actors about the complex of the expectation. | "Incomplete". ompletion according to the |
| 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, avera | nge of 1 usage per week | |
| Business Rules: | • | - | |
| Associated Information: | incomplete. • The System notifies | the Customer that her a | that the appearance request is appearance request is incomplete. s at any time prior to submitting it. |
| Related Use Cases: | | | |
| Assumptions: | | | |
| Open Issues: | | | |

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| Use Cases | Date: <dd mmm="" yy=""></dd> | | |
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| SuperFrog Scheduler | Version: <1.0> |
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| Use Cases | Date: <dd mmm="" yy=""></dd> |
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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
- 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.