Use Case ID:	UC1
Use Case Name:	View account
Description:	IT Admin accesses the system and views accounts in the system
Primary Actor:	IT Admin
Preconditions:	1. IT Admin is logged into the system
Postconditions:	Main: IT Admin views the accounts created
Main Success Scenarios:	 IT admin accesses the system System displays a list of accounts IT admin selects an account to view System displays employee information
Alternative Scenarios:	2a. No accounts have been created 2a1. System displays that no account has been created
Priority:	High

Use Case ID:	UC2
Use Case Name:	Edit account
Description:	IT admin accesses the system and edits an employee account
Primary Actor:	IT Admin
Preconditions:	 Continued from UC-1 View account main success scenario
Postconditions:	Main: Employee account changes in field update in database 2a, 2b: Employee account not updated
Main Success Scenarios:	 IT Admin selects "Edit Account Information" System replaces employee information in Step 4 of UC1 with editable fields IT Admin replaces field as needed IT Admin selects "Submit" System updates account information of employee
Alternative Scenarios:	 2a. Email is already in use 2a1. System displays an error message saying an account with that email is already in the system 2b. Password not secure 2b1. System displays an error message to use a better

	combination in the password
Priority:	Medium

Use Case ID:	UC3
Use Case Name:	Delete account
Description:	IT Admin accesses the system and deletes an employee account
Primary Actor:	IT Admin
Preconditions:	 Continued from UC1-View Employee main success scenario
Postconditions:	Main: Employee account deleted, with all identifiable information of the employee deleted from the database. 3a: Employee account not deleted
Main Success Scenarios:	 IT Admin selects "Delete Account" System displays a warning message that account deletion is permanent and asks IT Admin to confirm or cancel IT admin selects "Confirm" System deletes accounts
Alternative Scenarios:	3a. Employee cannot be deleted 3a1. Employee account cannot be deleted if the employee has a job allocation and the job is not completed yet
Priority:	Medium

Use Case ID:	UC4
Use Case Name:	Create employee account
Description:	IT Admin accesses the system and creates an employee account
Primary Actor:	IT Admin
Preconditions:	1. IT Admin is logged into the system
Postconditions:	Main: Employee account created, with employee information such as name, email, account level and role updated in the database. 3a, 3b: Employee account not created
Main Success Scenarios:	 IT Admin selects "Create Employee Account" System displays fields with employee information (name,

	email, and password) 3. IT Admin inputs employee name, email and passwod 4. IT Admin selects appropriate role for employee 5. IT Admin selects "Submit" 6. Systems creates an account for the Employee
Alternative Scenarios:	3a. Email is already in use 3a1. System displays an error message saying an account with that email is already in the system
	3b. Password not secure 3b1. System displays an error message to use a better combination in the password
Priority:	High

Use Case ID:	UC5
Use Case Name:	Create manager account
Description:	IT Admin accesses the system and creates an employee account
Primary Actor:	IT Admin
Preconditions:	1. IT admin is logged into the system
Postconditions:	Main: Manager account created, with employee information such as name, email, account level and role updated in the database 3a, 3b: Staff account not created
Main Success Scenarios:	 IT Admin selects "Create Manager Account" System displays fields with employee information (name, email, and password) IT Admin inputs employee name, email and password IT Admin selects "Submit" System creates an account for the Manager
Alternative Scenarios:	 3a. Email is already in use 3a1. System displays an error message saying an account with that email is already in use in the system 3b. Password not secure 3b1. System displays an error message to use a better combination in the password
Priority:	High

Use Case ID:	UC6
Use Case Name:	View landing page
Description:	Manager accesses the system and views the top three employees with the lowest workload
Primary Actor:	Manager
Preconditions:	1. Manager is logged into the system
Postconditions:	Main: Manager views the landing page and the top three employees with the lowest workload
Main Success Scenarios:	 Manager accesses the system System displays a list of employees with the lowest workload logged in Manager selects an employee to view System displays employee information with their names and working hours
Alternative Scenarios:	2a. There are no employee within the system
Priority:	High

Use Case ID:	UC7
Use Case Name:	View job
Description:	Manager accesses the system and views all jobs
Primary Actor:	Manager
Preconditions:	1. Manager is logged into the system
Postconditions:	Main: Manager views list of jobs 2a: no jobs to view
Main Success Scenarios:	 Manager accesses the system System displays the list of jobs Manager selects a job to view System displays job information (employee assigned, date, time, student assigned, instrument, location, studio)
Alternative Scenarios:	2a. No jobs created 2a1. System displays that no jobs have been created
Priority:	High

Use Case ID:	UC8
Use Case Name:	Allocate Job
Description:	Manager accesses the system and allocates employees to jobs
Primary Actor:	Manager
Preconditions:	 Manager is logged into the system Continued from UC7 - View job
Postconditions:	Manager allocates job to the employee
Main Success Scenarios:	 Manager accesses the system Manager selects on employee's name Availability of an employee will be displayed in green Manager can assign jobs based on availability An "Allocate job" popup will be triggered when Plus button is pressed Manager clicks on "Allocate job" System displays available jobs It will display details such as employee's name, Location, Chosen Studio, Timing, Preferred instrument and Student to teach Manager can press on "Allocate" button when done
Alternative Scenarios:	 9a. Manager press "Cancel" 9a1. System cancels job allocation and is not updated in the database 9b. If 90% of the jobs have not been allocated, the manager would be not be able to publish the job allocation dates 9b1. System will not publish the job allocation dates
Priority:	High

Use Case ID:	UC9
Use Case Name:	Edit Job Allocation
Description:	Manager accesses the system and edits a job
Primary Actor:	Manager
Preconditions:	1. continued from UC7-View Job main success scenario
Postconditions:	Main: Job information updated, with changed fields being

	updated in the database 6a2: Job information not updated
Main Success Scenarios:	 Manager selects "Update Job Information" System replaces job information in step 4 of UC7 with editable fields Manager replaces any field as needed Manager selects "Submit" Systems update system information
Alternative Scenarios:	 6a. Manager changed location of job and there is an employee that was already allocated to job and the allocated date has not passed 6a1. System displays a warning message on the location field that by changing these fields, it may not be aligned to the employee job's preference
Priority:	Medium

Use Case ID:	UC10
Use Case Name:	Delete Job Allocation
Description:	Manager accesses the system and deletes a job
Primary Actor:	Manager
Preconditions:	1. Continued from UC7-View Job main success scenario
Postconditions:	Main: Job is deleted, with all information related to the job such as the day, time, student, studio, and the employee assigned 3a,3b: Job not deleted
Main Success Scenarios:	 Manager selects "Delete Job" System displays a warning message that account deletion is permanent and asks Manager to confirm or cancel Manager selects "Confirm" System deletes job
Alternative Scenarios:	 3a. Manager is not allowed to delete jobs that have been completed 3a1. System displays error message that Manager cannot delete jobs that have been completed

	3b. Manager tries to delete a job that has already been allocated to employee3b1. System displays error message that there are employees currently allocated to the job and the allocated job has not passed
Priority:	Low

Use Case ID:	UC11
Use Case Name:	View Availability
Description:	Manager accesses the system and views job availability submitted by employee
Primary Actor:	Manager
Preconditions:	 Manager is logged in Manager is on the allocate jobs page
Postconditions:	Main: View job availability
Main Success Scenarios:	 Manager selects "Allocate Job" System displays a list of employees Manager selects an employee System displays job availability for the employees
Alternative Scenarios:	 2a. There is no employee in the system 2a1. System displays message "No employee" 4a. No availabilities submitted by employee 4a1. System displays message "no availability submitted"
Priority:	High

Use Case ID:	UC12
Use Case Name:	Gets notification
Description:	Manager gets notified whenever an employee rejects the assigned job or when a job has been cancelled
Primary Actor:	Manager
Preconditions:	 Continued from UC13-Reject Job Main Success Scenario

Postconditions:	Main: Manager reassigns employees' schedules 2a: Switch employee's availabilities with one another
Main Success Scenarios:	 The employee rejects an assigned job The system detects the rejection The system sends a notification to the Manager Rejection is displayed, with the employee's name, allocation, and reason of rejection
Alternative Scenarios:	 The manager decides to switch the availabilities of two employees The manager accesses the system The system allows the Manager to select two employees The system swaps the availabilities of the selected employees The system updates the schedules accordingly
Priority:	High

Use Case ID:	UC13
Use Case Name:	Reject Job
Description:	Employee accesses the system and job allocated to them
Primary Actor:	Employee
Preconditions:	 Continued from UC14-View Allocated Job Main Success Scenario
Postconditions:	Main: Reject job allocation, with the reason for rejection. 3a, 6a: Reject request not registered, employee still allocated to the job
Main Success Scenarios:	 Employee accesses the system to see job allocations System displays job allocations with option to reject Employee select "Reject" System displays a warning that employee has to discuss with the Manager for the follow up actions System displays text box for employee to input the reason for rejecting the job Employee inputs reason in the textbox Employee selects "Confirm" System removes employee from the job allocation
Alternative Scenarios:	 3a. Employee not having the option to request rejecting job assignments 6a. Employee does not add in any reason for rejecting job

	allocation 6a1: System displays error message
Priority:	High

Use Case ID:	UC14
Use Case Name:	View allocated job
Description:	Employee access the system and view allocated jobs
Primary Actor:	Employee
Preconditions:	1. Completed UC18-Indicate job preference
Postconditions:	Main,2a: View job allocation
Main Success Scenarios:	 Employee log into system System display jobs allocated by weekly or monthly Employees view jobs that have been allocated Employee selects specific job to view System displays details about the studio, student and instrument associated with the job
Alternative Scenarios:	No jobs allocated to them
Priority:	High

Use Case ID:	UC15
Use Case Name:	Add availability
Description:	Employee access the system and adds their availability
Primary Actor:	Employee
Preconditions:	 Employee is logged in Continued from alternative scenario 3a UC30 - Manage availability
Postconditions:	Main: Availability is added with dates stored in the database 6a: Availability not added
Main Success Scenarios:	 Employee selects add availability tab System displays a weekly calendar view Employee selects dates they are available Employee indicates time they are available for selected

	dates 5. System display dates selected in green 6. Employee selects "Confirm" 7. System saves employee's availability
Alternative Scenarios:	3a. Employee enters dates more than 5 weeks in advance 3a1. System displays an error message that an employee can only add their availabilities 5 weeks in advance
Priority:	High

Use Case ID:	UC16
Use Case Name:	Edit availability
Description:	Employee accesses the system and edit their availability dates
Primary Actor:	Employee
Preconditions:	 Completed UC15-Add Availability Employee performs steps 1-2 from UC15 main success scenario
Postconditions:	Main: Availability updated, with all information such as dates and time, stored in the database 3a: Availability not updated
Main Success Scenarios:	 Employee selects more dates where they are available System prompts for confirmation Employee selects "Submit" System update employee's availability System displays success message
Alternative Scenarios:	 3a. Employee selects dates that are more than 5 weeks in advance 3a1. System displays an error message that employee can only add availabilities 5 weeks in advance
Priority:	Medium

Use Case ID:	UC17
Use Case Name:	Remove availability
Description:	Employee accesses the system and remove their availability dates

Primary Actor:	Employee
Preconditions:	 Completed UC15 - Add availability Employee performs steps 1-2 from UC15 Main success scenario
Postconditions:	Main: initial submitted availability deleted, newly submitted availability updated in the database 3b: Availability not deleted
Main Success Scenarios:	 Employee reselects dates that indicate their availability System removes the availability on dates that are selected Employee clicks "Confirm" to resubmit their availability System updates employee's availability
Alternative Scenarios:	 3b. Employee selects dates that have already been allocated jobs by the Manager. 3b1. System displays an error message that availability for the date selected cannot be removed since there is an existing job. System recommends Employee to reject the job.
Priority:	Medium

Use Case ID:	UC18
Use Case Name:	Indicate job preference
Description:	Employee accesses the system and indicates their job preference
Primary Actor:	Employee
Preconditions:	 Continued from UC15 - Add availability Main success scenario Step 1-5 or UC16- Edit Availability Main success scenario Step 1
Postconditions:	Main: Job preference is indicated, with information such as preferred location, timing, and instrument to teach is being stored in the database 2a: Job preference is not indicated
Main Success Scenarios:	 Employee selects the day that they want to teach Employee selects location System displays a list of locations to choose from, including their preferred studio Employee selects preferred time System displays a list of shift timings for employee to choose from Employee will select all the boxes that they are available

	 7. Employee selects "Submit" 8. System adds employee's job preference
Alternative Scenarios:	2a. Employee does not indicate their job preference 2a1. System does not update employee's preference in the database
Priority:	Medium

Use Case ID:	UC19
Use Case Name:	Edit job preference
Description:	Staff accesses the system and edits their job preference
Primary Actor:	Staff
Preconditions:	1. Completed UC18 - Indicate job preference
Postconditions:	Main: Job preference is updated in the database
Main Success Scenarios:	 Staff selects the type of instrument Staff selects location of school Staff selects "Submit" System updates staff's job preference
Alternative Scenarios:	3a. Staff does not submit their preference 3a1. System does not update staff's preference in the database
Priority:	Medium

Use Case ID:	UC20
Use Case Name:	Get Notification
Description:	Employee gets notified by the system when job gets canceled or edited
Primary Actor:	Employee
Preconditions:	1. Continued from UC13 - Reject job
Postconditions:	Main: staff member receives warning message from system and is informed to discuss follow-up actions after rejecting a job
Main Success Scenarios:	 System displays error message to warn Staff that they should discuss the follow up actions after their job allocation rejection

Alternative Scenarios:	N/A
Priority:	Medium

Use Case ID:	UC21
Use Case Name:	Cancel job
Description:	Employees and manager are able to cancel jobs whenever there are any necessary last minute changes
Primary Actor:	Employee and Manager
Preconditions:	 Continued from UC14-View Allocated Job Main Success Scenario There is a job to be cancelled 1 hour prior to the start of the class by default
Postconditions:	Main: Cancel job allocation for initial staff, standby staff is assigned to the job 3a: Job is not cancelled 6a: Job is cancelled with no replacements
Main Success Scenarios:	 Staff selects job to be cancelled System prompts Staff for reason of cancellation Staff inputs reason Staff selects "Submit" System prompts for confirmation Staff selects "Confirm"
Alternative Scenarios:	3a. Staff does not input any reason3a1. System displays error message6a. Unable to find a replacement after the job gets cancelled
Priority:	Medium

Use Case ID:	UC22
Use Case Name:	Configure system specifications
Description:	Manager can access the system to make configurations to the system such as start dates and due dates for submission of availability, preferences, and rejection submission date
Primary Actor:	Manager

Preconditions:	Main: Configuration parameters are defined, such as settings for the start dates, due dates, submission deadlines, and other specifications that the Manager intends to configure
Postconditions:	Main: Cancel job allocation for initial staff, standby staff is assigned to the job 3a: Job is not cancelled 6a: Job is cancelled with no replacements
Main Success Scenarios:	 Manager accesses the system Manager clicks on "Configure System" System displays a list of configurable fields Manager makes changes to selected field Manager clicks "Save Changes" System displays success message
Alternative Scenarios:	 4a. Manager does not make changes to selected fields. 5a. Manager exits without saving changes 5a1. System displays warning message to prompt Manager to "Save changes" or to "Leave and discard changes" 5a1.1a. Manager clicks "Save changes" 5a1.1b. System saves changes and displays success message 5a1. 2a. Manager clicks "Leave and discard changes" 5a1. 2b. System discards changes
Priority:	Medium

Use Case ID:	UC23
Use Case Name:	Export workload
Description:	Manager and employee have the option to export their workload and jobs into either PDF format, Excel format and PNG format
Primary Actor:	Manager and employee
Preconditions:	Manager and employee are logged into the system in order to be able to export their workload into different formats
Postconditions:	Main: Workload being exported into their desired formats Manager 5a, 8a: no file exported Employee 2a, 5a, 6a: no file exported

Main Success Scenarios:	Manager
	1. Manager accesses the system
	2. Manager clicks on "Export workload"
	3. System displays a list of employees
	 Manager selects an employee whose workload they want to export
	 System displays different types of export files including PDF, Excel and PNG
	Manager selects desired file type
	 System generates export file in chosen format containing workload information
	8. System displays the generated file for Manager to save
	Employee
	1. Employee accesses the system
	2. Employee clicks on "Export workload"
	 System displays different types of export files including PDF, Excel and PNG
	4. Employee selects desired file type
	 System generates export file in chosen format containing workload information
	6. System displays the generated file for Employee to save
Alternative Scenarios:	Manager
	5a. Manager selects unsupported file type
	5a1. System displays error message to choose a valid format
	8a. Unable to generate file
	Employee 2a. No workload to be exported as there are no jobs assigned
	5a. Unable to export file
	5a1. The system can display an error message eg. "Export failed due to a technical issue" and may offer suggestions to solve this
	problem 6a. Unable to generate file
Priority:	Low

Use Case ID:	UC24
Use Case Name:	Create jobs
Description:	The manager is able to create a job and fill in the details such as date, time, student, studio and instrument taught.
Primary Actor:	Manager

Preconditions:	 Manager is logged into the system Continued from UC8 - Allocate jobs
Postconditions:	Main: Manager creates a job for an employee with a new student
Main Success Scenarios:	 Manager accesses the system Manager selects on employee's name Availability of an employee will be displayed in green Manager can create a new job for the employee based on availability Manager clicks on "Create job" System will display the new student's name with preferred location, chosen studio, timing, and preferred instrument Manager clicks "save changes" System will save changes and display success message
Alternative Scenarios:	13a. Manager press "Cancel" 13a1. System cancels new job and is not updated in the database
Priority:	Medium

Use Case ID:	UC25
Use Case Name:	Configure Cancel Time
Description:	Manager can access the system to configure the time limit for job cancellations
Primary Actor:	Manager
Preconditions:	 Completed UC22 - Configure system specification Main success scenario steps 1 - 3
Postconditions:	Time limit for job cancellation is configured by the manager
Main Success Scenarios:	 Manager selects makes changes to the cancel time field Manager clicks "Save Changes" System displays success message
Alternative Scenarios:	 1a. Manager does not make changes to selected fields. 2a. Manager exits without saving changes 2a1. System displays warning message to prompt Manager to "Save changes" or to "Leave and discard changes" 2a1.1a. Manager clicks "Save changes" 2a1.1b. System saves changes and displays success message

	2a1. 2a. Manager clicks "Leave and discard changes" 2a1. 2b. System discards changes
Priority:	Low

Use Case ID:	UC26
Use Case Name:	Configure availability submission deadline
Description:	Manager can access the system to configure the availability submission deadline for employees
Primary Actor:	Manager
Preconditions:	 Complete UC22 - Configure system specifications Main success scenario steps 1 - 3
Postconditions:	Time limit for submission of availabilities is configured by the manager
Main Success Scenarios:	 Manager selects make changes to the cancel time field Manager clicks "Save Changes" System displays success message
Alternative Scenarios:	 1a. Manager does not make changes to selected fields 2a. Manager exits without saving changes 2a1. System displays warning message to prompt Manager to "Save changes" or to "Leave and discard changes" 2a1.1a. Manager clicks "Save changes" 2a1.1b. System saves changes and displays success message 2a1. 2a. Manager clicks "Leave and discard changes" 2a1. 2b. System discard changes
Priority:	Low

Use Case ID:	UC27
Use Case Name:	Configure Rejection Submission
Description:	Manager can access the system to configure the time limit for job rejection
Primary Actor:	Manager

Preconditions:	 Completed UC22 - Configure system specification Main success scenario steps 1 - 3
Postconditions:	Time limit for job cancellation is configured by the manager
Main Success Scenarios:	 Manager selects makes changes to the rejection time limit field Manager clicks "Save Changes" System displays success message
Alternative Scenarios:	 1a. Manager does not make changes to selected fields. 2a. Manager exits without saving changes 2a1. System displays warning message to prompt Manager to "Save changes" or to "Leave and discard changes" 2a1.1a. Manager clicks "Save changes" 2a1.1b. System saves changes and displays success message 2a1. 2a. Manager clicks "Leave and discard changes" 2a1. 2b. System discards changes
Priority	Low

Use Case ID:	UC28
Use Case Name:	Handle Rejection Appeal
Description:	Manager can access the system to handle any rejection appeals from employees to either approve or reject the appeal
Primary Actor:	Manager
Preconditions:	 Complete UC13- Reject job Main success scenario step 5-7
Postconditions:	 The rejection appeal is approved or rejected by the manager If the rejection appeal is approved, the job will be removed from the employee's workload
Main Success Scenarios:	 Manager accesses the system to see job appeals System displays job appeals with options to "Confirm rejection" or "Deny Rejection" Manager can either approve or reject the rejection appeal Manager selects "Confirm Rejection" System will prompt and display a message to confirm rejection Manager selects "Confirm"

	7. System removes job from the employee's workload
Alternative Scenarios:	3a. Manager selects "Deny Rejection" 5a. Manager cancels the rejection appeal handling
Priority:	Medium

Use Case ID:	UC29
Use Case Name:	Add Standby List
Description:	The manager will have a standby list of employee in case employee allocated rejects or cancels the job
Primary Actor:	Manager
Preconditions:	1. Continued from UC8 Main success scenario step 1-8
Postconditions:	Manager successfully adds employee to standby list for potential job allocation.
Main Success Scenarios:	 The Manager selects the "Add Standby List" option within the job allocation interface. The system presents a list of Employees for the Manager to add to the standby list. The Manager selects the Employee to add The system stores the added Employee in the standby list. The system acknowledges the successful addition of the employee to the standby list to the Manager.
Alternative Scenarios:	 3a. Manager does not add any Employees to the field 3a1. System prompts Manager that there are no standby Employees for the job 5a. Manager cancels job allocation
Priority:	Medium

Use Case ID:	UC30
Use Case Name:	Manage Availability
Description:	Employee will be able to manage their own availabilities by adding, editing, and removing availabilities, indicating and editing job preferences

Primary Actor:	Employee
Preconditions:	Employee is logged in
Postconditions:	Main: Employee managed their own availabilities and is updated into the system
Main Success Scenarios:	 Employee accesses the system Employee selects the option to manage their availabilities Employee gets to select "Add availability", "Edit availability", "Remove availability", "Indicate job preference", "Edit job preference" For each action, the system reflects the updated availabilities and preferences to the Employee The system successfully updates the Employee's choices
Alternative Scenarios:	 3a. Employee selects "Add availability" 3a1. Continues in UC15 - Add availability 3b. Employee selects "Edit availability" 3b1. Continues in UC16- Edit availability 3c. Employee selects "Remove availability" 3c1. Continues in UC17- Remove availability 3d. Employee selects "Indicate job preference" 3d1. Continues in UC18 - Indicate job preference 3e. Employee selects "Edit job preference" 3e. Employee selects "Edit job preference" 3e. Employee selects "Edit job preference"
Priority:	Medium