UML Use Case Descriptions

Use Case Name:	Sort by Day/Period
Principle Actor:	Timetabler
Other Actors:	Central Administrator
Trigger:	Pressing The "Sort By Day/Period" Button
Description Breakdown:	1. User presses "Sort By Day/Period" button 2. Sort algorithm is executed, sorting the data by ascending day and then ascending period for any conflicts 3. Display sorted data
Sequence:	In consecutive order
Outcomes:	Sorted Data

Use Case Name:	Sort by Dept/Module Code
Principle Actor:	Timetabler
Other Actors:	Central Administrator
Trigger:	Pressing The "Sort By Dept/Module Code" Button
Description Breakdown:	1. User presses "Sort By Dept/Module Code" button 2. Sort algorithm is executed, sorting the data by Department and then Module Code 3. Display sorted data
Sequence:	In consecutive order
Outcomes:	Sorted Data

Use Case Name:	Delete Request
Principle Actor:	Timetabler
Other Actors:	Central Administrator
Trigger:	Pressing the "Delete" button next to selected row
Description Breakdown:	1. User presses the "Delete" button next to selected row 2. Confirmation prompt is displayed, giving the option to confirm the deletion or cancel the deletion 3. Delete row 4. Cancel deletion
Sequence:	Step 3 OR 4 can be executed – not both
Outcomes:	Request is deleted or not deleted

Use Case Name:	Login
Principle Actor:	Timetabler
Other Actors:	Central Administrator
Trigger:	Pressing The "Dept Login" Button
Description Breakdown:	1. User presses "Dept Login" button 2. Log in box pops up and then user enters password 3. User presses Submit 4. System authenticates password 5. System logs in user relative to password
Sequence:	Consecutive until 4. If 4 fails start again from 2. Keeps going until 4 is successful, then move to step 5
Outcomes:	User logs in to system and protected features enabled

Use Case Name:	Validate Form Data
Principle Actor:	Timetabler
Other Actors:	Central Administrator
Trigger:	Creating or editing a request, then pressing the "Submit" button
Description Breakdown:	• Department entered is validated • Module code entered is validated • Day entered is validated • Period entered is validated • Length entered is validated • Weeks entered is validated • Number of students entered is validated • Park entered is validated • Room entered is validated
Sequence:	There is no set order for which sections of data are validated first – all actions can happen in any order
Outcomes:	All respective data entered is validated

Use Case Name:	Add Request
Principle Actor:	Timetabler
Other Actors:	Central Administrator
Trigger:	Pressing The "Add Request" Button
Description Breakdown:	1. Users presses the "Add Request" button 2. User enters a request/booking: • User enters Department field • User enters Module Code field • User enters Module Title field • User enters Day field • User enters Period field • User enters length field • User enters priority field • User enters park reference field • User enters room reference field • User enters No. of Students field • User enters Traditional/Seminar field • User enters Data projectors field • User enters Simultaneous OHP/Writing field • User enters Other Requirements field • User enters Weeks field 3. Data is validated 4. Data is added to spreadsheet 5. Data is displayed
Sequence:	Step 2 can happen in any order
Outcomes:	User has made a request/booking

Use Case Name:	Review Request
Principle Actor:	Central Administrator
Other Actors:	
Trigger:	Upon viewing spreadsheet
Description Breakdown:	Accept or reject request manually
Sequence:	-
Outcomes:	Request is accepted or rejected