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| **Flow of Events for** | |
| Actors |  |
| Objective |  |
| Precondition |  |
| Main Flow |  |
| Alternative Flows |  |
| Error Conditions |  |
| Post Conditions |  |

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| **Flow of Events for the Login Case** | |
| Actors | Admin/User |
| Objective | To log the user in |
| Precondition | 1. The user is not logged in 2. The user is a registered user |
| Main Flow | 1. The user enters their email and password 2. The user clicks the ‘sign in’ button 3. The system navigates to the user’s dashboard 4. A local session is created for that user |
| Alternative Flows |  |
| Error Conditions | 1. If the user enters the wrong details the system will show an error message depending upon what details are incorrect |
| Post Conditions | The user is logged in and the system navigates to their dashboard |

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| **Flow of Events for the Logout Case** | |
| Actors | Admin/User |
| Objective | To log the user out |
| Precondition | 1. The user is logged into the system |
| Main Flow | 1. The user clicks the logout button located in the navigation bar 2. The system logs the user out 3. The user is returned to the login screen |
| Alternative Flows | 1. The user closes the browser or the tab |
| Error Conditions | - |
| Post Conditions | The user is logged out of the system and their session is ended |

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| **Flow of Events for the reset password** | |
| Actors | Admin/User |
| Objective | To reset the user’s password |
| Precondition | 1. The user is a registered user |
| Main Flow | 1. The user clicks the “forgot password?” link on the sign-in screen 2. The user is navigated to the reset password page 3. The user completes the form associated with the reset password 4. The user clicks the “reset password” button 5. An alert showing that the password has been changed shows 6. The user is returned to the login page |
| Alternative Flows | 1. The user closes the browser or the tab |
| Error Conditions | 1. An error will show if some details in form are incorrect |
| Post Conditions | The user’s password is reset, and they are returned to the login page |

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| **Flow of Events for viewing upcoming or past shifts** | |
| Actors | Admin/User |
| Objective | To view upcoming shifts |
| Precondition | Must be logged into the system |
| Main Flow | 1. Once the user has logged into the system, they are presented with their shifts for the current week 2. They can change the week view and view shifts for various weeks, both upcoming and past |
| Alternative Flows |  |
| Error Conditions | 1. If the API call to get the shifts the user fails an error message will show. |
| Post Conditions | User is presented will all upcoming or past shifts |

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| **Flow of Events for viewing total hours for selected week** | |
| Actors | Admin/User |
| Objective | To view total hours to work for week |
| Precondition | Must be logged into the system and have been allocated shifts |
| Main Flow | 1. User logs into system and is present with weekly totals on user-dashboard based upon their allocated shifts for the week |
| Alternative Flows | - |
| Error Conditions | 1. If no shifts allocated, the total hours for week will be 0 |
| Post Conditions | User is present with total hours for selected week |

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| **Flow of Events for adding a holiday** | |
| Actors | Admin/User |
| Objective | To add a holiday or date of unavailability |
| Precondition | 1. User must be logged into application 2. User must be on the profile page of the application |
| Main Flow | 1. User selects the + icon 2. Dropdown containing date input opens 3. User selects date of unavailability and adds holiday 4. The holiday is added to their upcoming holidays |
| Alternative Flows | 1. User cancels the addition of unavailability by returning not clicking the add holiday button |
| Error Conditions | 1. If user has already requested day off an error message will show indicating that they have already requested this day off and the day will not be added 2. If there is a server-side problem an error message will show and ask the user to try again later |
| Post Conditions | The requested day is added to the users upcoming holidays |

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| **Flow of Events for deleting a holiday** | |
| Actors | Admin/User |
| Objective | To remove a holiday that has already been requested off |
| Precondition | 1. User must have already requested the day off 2. User is logged into system 3. User is on the profile page of the application |
| Main Flow | 1. User is presented with their upcoming holidays 2. User clicks the red trash can icon to remove selected holiday 3. Holiday is removed from their upcoming holidays |
| Alternative Flows | 1. User leaves profile page and does not click red trash can icon |
| Error Conditions | 1. Holiday is not removed, and error message will show indicating what went wrong to the user |
| Post Conditions | The user’s holiday has been removed from the upcoming holidays section |

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| **Flow of Events for viewing profile** | |
| Actors | Admin/User |
| Objective | For the logged in user to be able to view their profile containing their details |
| Precondition | 1. User must be logged into the system |
| Main Flow | 1. User navigates to the profile page 2. User is presented with all their information, e.g. personal information, holidays, training and shifts |
| Alternative Flows | - |
| Error Conditions | 1. User is presented with error message if their information fails to load |
| Post Conditions | User is presented with their profile |

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| **Flow of Events for editing general profile information** | |
| Actors | Admin/User |
| Objective | To edit general information such as edit address or change phone number |
| Precondition | 1. User must be logged into the system |
| Main Flow | 1. User navigates to profile page 2. User is presented with their information 3. User clicks edit button 4. Edit button opens modal containing form that shows user information 5. User edits the information 6. User clicks the save changes button 7. Changes are submitted and success message shows |
| Alternative Flows | 1. The user closes the modal and any changes made are not saved |
| Error Conditions | 1. If the user tries to submit the form with any mistakes the system shows the relevant error beside the incorrect input 2. The save changes button is disabled if any mistakes are made in the form 3. Error message will show if form is correct, but server-side has not updated changes. User will be asked to try again later |
| Post Conditions | Selected user information is updated, and user is presented with those changes |

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| **Flow of Events for changing a password** | |
| Actors | Admin/User |
| Objective | To change the user’s password |
| Precondition | 1. User must be logged in 2. User must be on the profile page |
| Main Flow | 1. User clicks the edit button located next to the password on the profile page 2. Upon clicking the edit button an edit password modal opens 3. User enters current password and new password into respective input fields 4. User clicks save password button 5. Success message shows |
| Alternative Flows | 1. The user closes the modal and any changes made are not saved |
| Error Conditions | 1. Current password does not match entered current password error message shows and new password is not saved |
| Post Conditions | Users password is updated |

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| **Flow of Events for creating a shift** | |
| Actors | Admin |
| Objective | To create a shift for an employee |
| Precondition | 1. User must have admin status 2. User must be on the rota page of application |
| Main Flow | 1. User drags a selected employee into an area 2. User enters start and finish time into input fields 3. Allocate shift button is clicked and shift is allocated to the selected user |
| Alternative Flows | 1. User drags user but leaves page so user is removed from selected area |
| Error Conditions | 1. Start and finish times are not entered, error message below inputs are show and shift not inserted 2. Employee has requested the selected day off, error message will show, and employee is removed from area 3. Employee has already been allocated to work on the selected day off, error message will show, and employee is removed from area |
| Post Conditions | Shift is created and allocated for selected employee |

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| **Flow of Events for editing a shift** | |
| Actors | Admin |
| Objective | To edit an already existing and allocated shift |
| Precondition | 1. User must have admin status 2. User must be on the rota page of application 3. Shift must already be created and allocated |
| Main Flow | 1. User selects shift they want to edit by clicking the edit button 2. Start and finish time become editable 3. Times are changed and save changes button is clicked 4. Changes are saved, start and finish time are no longer editable |
| Alternative Flows | 1. User clicks the edit button but leaves page, no changes are made 2. User drags another employee into area. Content is still editable |
| Error Conditions | 1. Either start or finish time are not inserted, error message below inputs will show |
| Post Conditions | Created shift is edited |

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| **Flow of Events for deleting a shift** | |
| Actors | Admin |
| Objective | To remove a created shift |
| Precondition | 1. User is admin 2. Shift already been created |
| Main Flow | 1. User clicks the delete button beside the shift in which they would like to delete 2. Selected shift is removed |
| Alternative Flows | 1. User doesn’t click the delete button |
| Error Conditions |  |
| Post Conditions | Shift is removed |

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| **Flow of Events for viewing all employees** | |
| Actors | Admin |
| Objective | To view all employees |
| Precondition | 1. User must be on employee page |
| Main Flow | 1. User navigates to the employee page 2. All employees are shown to user |
| Alternative Flows | - |
| Error Conditions | 1. Error message will show if no users are in the system or if the server-side does not return any |
| Post Conditions | User will be presented with a list of all employees |

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| **Flow of Events for creating an employee** | |
| Actors | Admin |
| Objective | To create an employee |
| Precondition | 1. User has admin status 2. User is on employee page |
| Main Flow | 1. User clicks on the create employee button 2. Modal opens with form for creating user 3. User enters fields and clicks create employee button 4. Alert saying user has been created and returns to employee list 5. Employee added to the employees and total employee count updated |
| Alternative Flows | 1. User closes modal and any input fields are removed, and user is not created |
| Error Conditions | 1. Any fields inputted incorrectly or left blank will show corresponding error message and create employee button will be disabled – employee will not be created 2. Server-side error will show error and employee will not be created |
| Post Conditions | Employee is created and added to the employee list |

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| **Flow of Events for viewing employee information** | |
| Actors | Admin |
| Objective | To view an individual employee’s information |
| Precondition | 1. Must have the status of admin 2. Must be on the employee list page |
| Main Flow | 1. User clicks on view button located beside an employee name 2. System navigates to the specific employee page and loads employee’s general information, holidays, shits and training |
| Alternative Flows | 1. User navigates away from employee list page 2. User enters employee ID number in URL |
| Error Conditions | 1. If user with inputted ID does not exist an error message saying “sorry, a user for the selected ID does not exist |
| Post Conditions | All information regarding the selected user loads in view |

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| **Flow of Events for editing employee information** | |
| Actors | Admin |
| Objective | To edit an individual employee’s information |
| Precondition | 1. An individual employee must be selected |
| Main Flow | 1. User selects an employee 2. System navigates to employee information 3. User enters details into form in which they want to change 4. User clicks save button and changes are updated in the view 5. Success message will show |
| Alternative Flows | 1. User does not make any changes and navigates away from page 2. User does not click the save changes button and any changes made are not saved |
| Error Conditions | 1. Any input fields not filled in correctly or left blank will cause an error message corresponding to the error 2. Server-side error will show if any changes are not inserted to database |
| Post Conditions | Individual employee’s information is updated |

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| **Flow of Events for deleting an employee** | |
| Actors | Admin |
| Objective | To remove a selected employee |
| Precondition | 1. Employee must exist 2. User is on the selected employee view |
| Main Flow | 1. User clicks the delete button 2. Alert pop up that notifies the user that the selected employee has been deleted 3. System navigates back to employee list view where deleted employee has been removed from employee list |
| Alternative Flows |  |
| Error Conditions | - |
| Post Conditions | Employee has been deleted and user is returned to employee list |

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| **Flow of Events for approving employee’s shift hours** | |
| Actors | Admin |
| Objective | To approve an employee’s hours |
| Precondition | 1. Employee must have worked a shift 2. User is on the timesheet page |
| Main Flow | 1. User clicks on an employee and shifts for selected week are shown 2. User clicks on approve hours and shift is turned green and added to the approve shift array |
| Alternative Flows | 1. User doesn’t approve the selected shift |
| Error Conditions | - |
| Post Conditions | Employee’s shift hours have been approved and counts updated |

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| **Flow of Events for editing employee’s shift hours** | |
| Actors | Admin |
| Objective | To edit an employee’s shift hours |
| Precondition | 1. Employee must have worked a shift 2. User is on the timesheet page |
| Main Flow | 1. User selects employee from list and all shifts for selected week are shown 2. User clicks the edit button on the selected shift that needs editing 3. Modal is opened and changes to start or finish time are made 4. Save changes button is clicked and shift is updated with success message showing 5. Modal is closed and counts are updated based upon time edited |
| Alternative Flows | 1. User opens modal but doesn’t make any changes, last known times are saved |
| Error Conditions | 1. Any input fields not filled in correctly or left blank will cause an error message corresponding to the error |
| Post Conditions | Selected employee’s hours for selected shift are edited |

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| **Flow of Events for deleting a user’s shift** | |
| Actors | Admin |
| Objective | To delete a selected employee’s shift |
| Precondition | 1. Employee must have worked a shift 2. User is on the timesheet page |
| Main Flow | 1. User selects employee from list and all shifts for selected week are shown 2. User clicks the edit button on the selected shift that needs deleted 3. Modal is opened and delete button is clicked 4. Shift is removed, modal closed and view updates |
| Alternative Flows | - |
| Error Conditions | - |
| Post Conditions | Selected employee’s shift is removed |

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| **Flow of Events for adding an unscheduled shift for employee** | |
| Actors | Admin |
| Objective | To add an unscheduled shift for a selected employee |
| Precondition | 1. User is on timesheet page and has selected an employee for which they want to add an unscheduled shift |
| Main Flow | 1. User selects employee and clicks add unscheduled shift 2. Modal containing form is opened 3. Form is completed with necessary information 4. User clicks the add button and shift is added to employee’s shift |
| Alternative Flows | 1. User clicks the close button on the modal any changes added are not saved and shift is not added |
| Error Conditions | 1. Any input fields not filled in correctly or left blank will cause an error message corresponding to the error |
| Post Conditions | Unscheduled shift is added for an employee |

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| **Flow of Events for creating payroll reports** | |
| Actors | Admin |
| Objective | To create a payroll report |
| Precondition | 1. User must be of status admin 2. User must be on reports page |
| Main Flow | 1. User inputs date range using date inputs 2. User selects “all” or an individual employee 3. The button get reports is clicked 4. Information for each shift in date range is present in a table as user 5. Counts for date range are shown at the top of the screen |
| Alternative Flows | - |
| Error Conditions | - |
| Post Conditions | User is presented with shift summaries for selected date range and employees |