

Use Case Descriptions

Use Case ID:	UC-1
Use Case Name:	Create user account
Description:	Creating user account for the manager and staff
Primary Actor:	Administrator
Preconditions:	User information such as names and roles in organisation
Postconditions:	Main: User is created. System updates the Database. 2a. If the same username already exists in the Database, user not created. Email sent. 6a. Email was not sent.
Main Success Scenarios:	<ol style="list-style-type: none"> Administrator input username, email address, phone number, gender, home address, the role of manager, ferry captain or crewmate. Administrator submits input. System prompts Administrator to confirm his/her input. Administrator accepts confirmation System generates and set randomized passwords for the users. System registers new user successfully in Database. System display that a new user has been created. System send email with system generated password with username to new user.
Alternative Scenarios:	2a. Username already exist 2a1. System prompts the administrator to enter new username. 8a. Email fails to reach its destination because mailbox is full. 8a1. System displays email has failed to reach its target.

Use Case ID:	UC-2
Use Case Name:	Assign job to staff
Description:	Assigning job based on manpower availability and staff preference to staff.
Primary Actor:	Manager
Preconditions:	Manager is logged in. Job must be available. Staff must be registered in Database.
Postconditions:	Main: Confirmation email sent. System updates in the Database.
Main Success Scenarios:	<ol style="list-style-type: none"> Manager selects date for job Manager selects ferry route Manager selects ferry route timeslot Manager selects captain for ferry route Manager selects crew for ferry route Manager submits input System prompts Manager to confirm his/her input. Manager accepts confirmation System updates the Database. System displays updated planning page Confirmation email is sent.
Alternative Scenarios:	1a. Date selected is out of range

1a1. System prompts the staff to select a date within the valid range.
 9a. System fails to update Database
 9a1. System gives a message that the date was not saved
 9a2. Staff can choose to retry or quit screen
 11a. Email fails to reach its destination because mailbox is full.
 11a1. System displays email has failed to reach its target.
 11a2. Staff can choose to retry sending email or quit screen

Use Case ID:	UC-3
Use Case Name:	Staff selects job preference
Description:	Staff can add their availabilities up to 5 weeks.
Primary Actor:	Staff
Preconditions:	Staff is logged in. Staff must be registered in Database.
Postconditions:	Main: Confirmation email is sent to the staff. System updates in the Database.
Main Success Scenarios:	<ol style="list-style-type: none"> Staff input date for availabilities. System checks if there is a job preference set for the staff on the selected date. Staff selects route Staff selects date System prompts Staff to confirm his/her input. Staff accepts confirmation System updates Database. System displays updated job preference Confirmation email is sent.
Alternative Scenarios:	<p>1a. Date selected is out of range 1a1. System prompts the staff to select a date within the valid range.</p> <p>2a. Preference already exists on the date. 2a1. System prompts staff if they want to edit preference. 2a2. Staff selects new route. 2a3. Staff selects new date. 2a4. System displays new route and date.</p> <p>2b. Staff selects 2b1. System prompts staff if they want to remove preference 2b2. Staff choose to remove preference 2b2. System removes preference 2b3. System displays page with removed preference</p> <p>7a. System fails to update Database 7a1. System gives a message that the date was not saved 7a2. Staff can choose to retry or quit screen</p> <p>9a. Email fails to reach its destination because mailbox is full. 9a1. System displays email has failed to reach its target. 9a2. Staff can choose to retry sending email or quit screen.</p>

Use Case ID:	UC-4
Use Case Name:	Staff reject job assignment
Description:	Staff rejects the job assigned to them by the manager.
Primary Actor:	Staff

Preconditions:	Staff is logged in. Manager has assigned staff to a job. Staff discussed with manager about reason for rejecting.
Postconditions:	Main: Database system has been updated. Email confirmation sent. 5a1, 6a1. Email not sent.
Main Success Scenarios:	<ol style="list-style-type: none"> 1. Staff reviews dates of jobs assigned to them. 2. Staff selects date to reject. 3. System display dates of jobs assigned to them. 4. Staff input reason for rejecting the job. 5. Staff submits their input 6. System prompts Staff to confirm his/her input. 7. Staff accepts confirmation 8. System updates Database. 9. System displays updated job assignment 10. Confirmation email sent to manager and staff.
Alternative Scenarios:	<p>3a. System gives a message that there are no available dates to be shown</p> <p>3a1. Staff can choose to reload the web application or quit screen</p> <p>8a. System fails to update Database</p> <p>8a1. System gives a message that the date was not saved</p> <p>8a2. Staff can choose to retry or quit screen</p> <p>10a. Email fails to reach its destination because mailbox is full.</p> <p>10a1. System displays email has failed to reach its target.</p> <p>10a2. Staff can choose to retry sending email or quit screen</p>

Use Case ID:	UC-5
Use Case Name:	Staff changes password
Description:	Staff change password for their account. Password is set to expire every 90 days.
Primary Actor:	Staff
Preconditions:	Staff knows current password. Staff password reaches password expiry date then system prompts for password change.
Postconditions:	Main: Confirmation email sent.
Main Success Scenarios:	<ol style="list-style-type: none"> 1. Staff goes to Login page 2. Staff selects change password option 3. System redirect Staff to Password Change page 4. Staff input current ID and password 5. System validates entered password with Database-stored password 6. System prompts staff to enter new password 7. Staff input new password 8. System validates new password 9. System updates Database 10. System displays that password has been change 11. Confirmation email sent
Alternative Scenarios:	<p>5a. Entered password is incorrect</p> <p>5a1. Staff can choose to re-enter password or quit screen</p> <p>8a. New password same as old password</p> <p>8a1. System prompts user to enter another password</p> <p>12a. Email fails to reach its destination because mailbox is full.</p> <p>12a1. System displays email has failed to reach its target.</p>

12a2. Staff can choose to retry sending email or quit screen