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| ID | UC-1 |
| Use Case Name | Login |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | User enters credentials and logs into system. |
| Primary actor | Customer/admin |
| Supporting actor | database |
| Preconditions | User has been registered. |
| Postconditions | User is logged into system. |
| Main Success Scenario | 1. User enters userID and password. 2. System sends request to verify login credentials. |
| Extensions | 1. System crashes. 2. System reboots. 3. User brought to login page. 4. Incorrect credentials. 5. System displays error message. |

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| ID | UC-2 |
| Use Case Name | Login |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | User credentials are validated from database |
| Primary actor | customer/admin |
| Supporting actor | database |
| Preconditions | UserID and password has been entered |
| Postconditions | Boolean returns for user credentials whether he has entered  Correct credentials or not. |
| Main Success Scenario | 1. UserID compared in database to check if any duplicate value is there.  2.If duplicate not found then   1. User is logged into system. |
| Extensions | 1.System crashes.  a.System reboots.  b.User brought to login page.  2.Incorrect credentials.  a.System displays error message. |

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| ID | UC-3 |
| Use Case Name | Register |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | A new user signs up as a customer. |
| Primary actor | customer/admin |
| Supporting actor | database |
| Preconditions | Customers enters login credentials and personal details |
| Postconditions | Customer data is validated and stored in database. |
| Main Success Scenario | 1. Customer enters userID and password along with personal details. 2. System verifies if no duplication found in database. 3. Customer registered and can login in system. |
| Extensions | 1. Customer ID already stored in database. 2. Error shown for duplicate data. 3. Customer asked again to re enter credentials. 4. Credentials checked again in database. 5. System crashes. 6. System reboots. 7. User brought to login page. 8. Incorrect credentials. 9. System displays error message. |

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| ID | UC-4 |
| Use Case Name | Forget Password |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | User Forgets password. |
| Primary actor | User/admin |
| Supporting actor | database |
| Preconditions | User must know ID |
| Postconditions | User resets his password. |
| Main Success Scenario | 1. User re-enters userID and password.   1. System goes to database to check ID . 2. User password is reset of the corresponding ID in database. |
| Extensions | 1.Customer ID not found in database.  a) displays message customer ID not found.  b) asks user to reenter customer id or register again.  2. System crashes.   1. System reboots. 2. User brought to login page. 3. Incorrect credentials. 4. System displays error message. |

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| ID | UC-5 |
| Use Case Name | Store Customer details |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Store customer details into database. |
| Primary actor | User/admin |
| Supporting actor | Database |
| Preconditions | Customer has been logged in . |
| Postconditions | Customer details have been stored in the database if not stored. |
| Main Success Scenario | 1. If Customer details not entered in database. 2. This function will insert Customer details in db. |
| Extensions | 1. System crashes. 2. System reboots. 3. User brought to login page. 4. Incorrect credentials. 5. System displays error message. |

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| ID | UC-6 |
| Use Case Name | retrieve Customer details |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | retrieve customer details from database. |
| Primary actor | User/admin |
| Supporting actor | Database |
| Preconditions | Customer has been logged in. |
| Postconditions | Customer details have been stored in the database if not stored. |
| Main Success Scenario | 1. Customer Id sent to database. 2. Database checks for the corresponding data lying on the row containing the matching customer ID. 3. Database returns customer data. |
| Extensions | 1. System crashes. 2. System reboots. 3. User brought to login page. 4. Incorrect credentials. 5. System displays error message. |

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| ID | UC-7 |
| Use Case Name | Add Customer Order |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Add new customer Order into database. |
| Primary actor | User/admin |
| Supporting actor | Database |
| Preconditions | Customer has been registered. |
| Postconditions | New customer order stored in database. |
| Main Success Scenario | * + - 1. Customer clicks on new Order.       2. Website asks for new order requirements.       3. Customer enters requirement and clicks submit.       4. New order added to database. |
| Extensions | 1.System crashes.   * 1. System reboots.   2. User brought to login page.  1. Incorrect credentials. 2. System displays error message.   3. if item not available  a) order not added.  b) pop up of invalid order entered. |

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| ID | UC-8 |
| Use Case Name | update Customer Order |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Update existing customer Order and store into database. |
| Primary actor | User/admin |
| Supporting actor | Database |
| Preconditions | Customer has been registered. |
| Postconditions | Existing customer order updated in database. |
| Main Success Scenario | * + - 1. Customer clicks on update Order.       2. Website asks for order requirements.       3. Customer enters requirement and clicks submit.       4. Order updated and added to database. |
| Extensions | 1.System crashes.   * 1. System reboots.   2. User brought to login page.  1. Incorrect credentials.    1. System displays error message.   3. if order not found  a) Customer brought back to orders page.  b) pop up of no order found. |

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| ID | UC-9 |
| Use Case Name | Cash payed |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Check if cash if payed for customer’s order. |
| Primary actor | User/admin |
| Supporting actor | Database |
| Preconditions | Customer has placed an order. |
| Postconditions | Customer payment is successful. |
| Main Success Scenario | 1. Customer clicks on Payment. 2. Selects Cash. 3. Pays cash to the vendor. 4. Payment completed. |
| Extensions | 1.System crashes.  a. System reboots.  b. User brought to login page.   1. Incorrect credentials.    1. System displays error message.. |

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| ID | UC-10 |
| Use Case Name | Pay authorized using card |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Check if payment has been authorized with card. |
| Primary actor | User/admin |
| Supporting actor | Database |
| Preconditions | Customer has placed an order. |
| Postconditions | Customer payment is successful. |
| Main Success Scenario | 1. Customer clicks on Payment. 2. Selects credit. 3. Enters card NO and CC on the payment page. 4. Card authorized for payment. 5. Payment completed. |
| Extensions | 1.System crashes.   * 1. System reboots.   2. User brought to login page.  1. Incorrect credentials.    1. System displays error message..   3. card not valid  a)asks user to enter the card details again |
| ID | UC-11 |
| Use Case Name | Print receipt |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Receipt is printed for the order after payment. |
| Primary actor | Customer/admin |
| Supporting actor | database |
| Preconditions | User has Payed for his order. |
| Postconditions | Final receipt is printed for the customer order. |
| Main Success Scenario | 1. User enters completes his payment for his order. 2. A receipt is printed for his order . |
| Extensions | 1.System crashes.   1. System reboots. 2. User brought to login page.   2.Incorrect credentials.   1. System displays error message. |

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| ID | UC-12 |
| Use Case Name | Update Details |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Admin details are updated. |
| Primary actor | Customer/admin |
| Supporting actor | database |
| Preconditions | Admin has been logged in. |
| Postconditions | Admin details have been updated. |
| Main Success Scenario | * + - 1. Admin logs into the system.       2. Admin updates his details.       3. Server goes to the database and searches details for the admin ID.       4. Server updates the details of the admin in the database. |
| Extensions | 1. System crashes.   * 1. System reboots.   2. User brought to login page.  1. Incorrect credentials.    * + - 1. System displays error message. 2. if Admin Id not found in database 3. message pops for Id not found 4. admins goes back to admin page. |

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| ID | UC-13 |
| Use Case Name | Check stock |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Admin checks stock in the database if it is available. |
| Primary actor | Customer/admin |
| Supporting actor | database |
| Preconditions | Admin must be logged in. |
| Postconditions | System returns with a Boolean value . |
| Main Success Scenario | 1. Admin clicks on check stock. 2. System checks for that item in the database. 3. If item found the system returns with true. 4. Else false |
| Extensions | 1. System crashes.    1. System reboots.    2. User brought to login page. 2. Incorrect credentials. 3. System displays error message. |

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| ID | UC-14 |
| Use Case Name | Restock |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Admin checks stock in the database if it is not available he restocks it. |
| Primary actor | Customer/admin |
| Supporting actor | Database |
| Preconditions | Admin must be logged in. |
| Postconditions | Item that is finished is restocked. |
| Main Success Scenario | 1. Admin checks for a particular stock whether it is available or not. 2. If item not available then the admin will restock that particular item. 3. Item quantity will be updated in the database. |
| Extensions | 1. System crashes.    1. System reboots.    2. User brought to login page. 2. Incorrect credentials.    1. System displays error message. |

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| ID | UC-15 |
| Use Case Name | customCleared |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Admin clear container from customs |
| Primary actor | Customer/admin |
| Supporting actor | Database |
| Preconditions | Admin must be logged in. |
| Postconditions | Container is cleared and collected by the recipient |
| Main Success Scenario | * + - 1. Admin checks if containers are up for clearance.       2. Admin clears containers from port inventory.       3. Container is received by the customer. |
| Extensions | 1. System crashes.    1. System reboots.    2. User brought to login page. 2. Incorrect credentials.    1. System displays error message and asks admin user to enter correct credentials |

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| ID | UC-16 |
| Use Case Name | RefuelPrice |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Ships refuel price is calculated on the basis of its refuel duration |
| Primary actor | Admin/Ships |
| Supporting actor | Database |
| Preconditions | Customer must be logged in |
| Postconditions | Ships refuel price has been calculated |
| Main Success Scenario | 1. Admin checks for the ships refuel time based on the records kept by the port staff 2. Ships refuel price is calculated on the basis of its time duration/fuel used |
| Extensions | 1. System crashes.    1. System reboots.    2. User brought to login page. 2. Incorrect credentials.    1. System displays error message. |

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| ID | UC-17 |
| Use Case Name | DockTimePrice |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Admin checks docktime of the ships and charges it a fare based on pre-decided rates. |
| Primary actor | Admin/Ships |
| Supporting actor | Database |
| Preconditions | Admin must be logged in. |
| Postconditions | Ships dock time fare is calculated |
| Main Success Scenario | 1. Admin for how much time the ship has been docked. 2. Ship’s dock time fare is calculated based on pre-decided rates 3. The function returns an integer value for the dockTime price. |
| Extensions | 1. System crashes.    1. System reboots.    2. User brought to login page. 2. Incorrect credentials.    1. System displays error message. |

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| ID | UC-18 |
| Use Case Name | GetNumberOfShips |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Admin checks the number of ships currently docked on a particular port |
| Primary actor | Admin/Ships |
| Supporting actor | Database |
| Preconditions | Admin must be logged in. |
| Postconditions | Number of ships docked on the port is displayed |
| Main Success Scenario | 1. Admin is shown the list of currently connected port-terminals 2. Admin enters one of the ports in the given dialog box to see how many ships are currently docked on the particular port 3. The ships which specify the criteria are displayed on the screen. |
| Extensions | 1. System crashes.    1. System reboots.    2. User brought to login page. 2. Incorrect credentials.    1. System displays error message. |

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| ID | UC-19 |
| Use Case Name | Get number of customers |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Admins checks out the current number and record of users |
| Primary actor | Customer/admin |
| Supporting actor | Database |
| Preconditions | Admin must be logged in. |
| Postconditions | Admin can see how many customers have currently signed up for the web app. |
| Main Success Scenario | 1. Admin logs in on the web app 2. Admin selects the customer tab 3. The systems shows all the users currently signed up for the web app. |
| Extensions | 1. System crashes.    1. System reboots.    2. User brought to login page. 2. Incorrect credentials.    1. System displays error message. |

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| ID | UC-20 |
| Use Case Name | Check stock |
| Author | Hameez/Bilal |
| Last revision | 12/8/2022 |
| Description | Admin checks stock in the database if it is available. |
| Primary actor | Customer/admin |
| Supporting actor | database |
| Preconditions | Admin must be logged in. |
| Postconditions | System returns with a Boolean value . |
| Main Success Scenario | 1. Admin clicks on check stock. 2. System checks for that item in the database. 3. If item found the system returns with true. 4. Else false |
| Extensions | 1. System crashes.    1. System reboots.    2. User brought to login page. 2. Incorrect credentials. 3. System displays error message. |