**Reset Password:**

|  |  |
| --- | --- |
| Use Case ID | U01 |
| Name | Login |
| Actor | The Manager, Rider, Inventory Supervisor and Sales agent. |
| Description | It describes how the user logs into the Distribution System application. |
| Flow | Base Flow:  The actor opens the application.  The system asks the actor to enter his email ID and password assigned by the company.  He enters the above details.  The system validates the entered details and logs the actor into the system.  Alternative flow:  2a. The actor enters an invalid email and/or password.  1. The system displays an error message.  1a. The actor cancel the login.  1b. The actor resets the password. |

|  |  |
| --- | --- |
| Use Case ID | U02 |
| Name | Reset Password |
| Actor | The Manager, Rider, Inventory Supervisor and Sales agent. |
| Description | If the actor forgets his/her password, they can reset it. |
| Flow | Base Flow:  The actor opens the application.  The system asks the actor to enter his email ID.  The system asks the actor to enter his password assigned by the company.  The system validates the entered details.  The actor clicks on login.  The system displays an error message.  The actor clicks on button regarding forgot password.  After clicking, he receives an email containing the new password.  Repeats step 2-4  Successfully login into the system.  Alternative flow:  2a. The actor enters an invalid email format.  1. The system displays an error message. |

**Add Employee:**

|  |  |
| --- | --- |
| Use Case ID | U03 |
| Name | Add Employee |
| Actor | The Manager |
| Description | The Manager can add a new employee to the company. It could either be the rider, sales agent, workers or the inventory supervisor. He would take the name, email, CNIC, address and other details. After filling out the details, he will give them a password, status, a User Id and a base salary depending upon the status. |
| Flow | Base Flow:  A person arrives at company.  Fill out the form to give interview.  After passing interview, the person will officially become company’s employee.  To give him access to the application, the Manager logs into his system.  The manager will register that employee by entering all his details.  The Manager enters the employee’s name.  The Manager enters the employee’s CNIC.  The Manager enters the employee’s e-mail.  The Manager enters the employee’s address.  The Manager selects the employee’s status from the combo Box.  The Manager enters the employee’s bank account.  The Manager enters the employee’s telephone number.  The Manager enters the employee’s age.  The System validates the above given details.  After entering all his information, Manager generates a User ID and login password that is assigned to the employee.  The System generates basic salary depending upon the status.  Alternative Flow:  4a. The Manager forgets the password.  1. The Manager clicks a button to recover the account.  3-5a. The employee is a simple inventory worker.  The employee will not be given any account, as there is no portal for inventory worker.  6a. The Manager enters invalid name.  1. The System demands to enter name containing only alphabets.  7a. The Manager enters invalid CNIC.  1. The System demands to enter CNIC containing only 13 digit integer.  8a. The Manager enters invalid e-mail.  1. The System demands to enter e-mail that contains @ in the format.  11a. The Manager enters invalid bank account number.  1. The System demands to enter number that contains only integers.  12a. The Manager enters invalid phone number.  1. The System demands to enter number that contains only 11 digit integer.  13a. The Manager enters invalid age.  1. The System demands to enter age between 18 and 40. |

**Update Employee:**

|  |  |
| --- | --- |
| Use Case ID | U04 |
| Name | Update Employee |
| Actor | The Manager |
| Description | The Manager is able to update employees by clicking the button that list the employees and then select the employee whose information needs to be update. |
| Flow | Base Flow:  The Manager logs into the system.  An employee comes to him and asks to change some information about him.  The Manager clicks on the button and gets the list of all the employees of the company.  The Manager searches for that particular employee.  The System validates the given name of employee.  The Manager clicks and all the information of that employee is displayed.  The Manager asks the employee what attribute to change.  The Manager updates the desired information.  The System again validates the updated information.  Alternative Flow:  1a. The Manager forgets the password.  1. The Manager clicks on a button to recover the account  4a. The employee name does not found in the data base.  1. The Manager performs an override operation (Add employee) |

**Delete Employee:**

|  |  |
| --- | --- |
| Use Case ID | U05 |
| Name | Delete Employee |
| Actor | The Manager |
| Description | The Manager gets to fire the employee by deleting his information from the Database or when any employee leaves the company. |
| Flow | Base Flow:  The Manager logs into the system.  An employee comes to the Manager and asks to resign  The Manager clicks on delete employee option.  The Manager gets the list of all the employees of the company.  The Manager searches for that particular employee.  The System validates the given name of the employee.  The Manager clicks and deletes that employee.  Alternative Flow:  1a. The Manager forgets the password.  1. The Manager clicks on a button to recover the account  2a. The Manager fires an employee.  Repeats 3-6 (Basic Flow)  5a. The employee is a rider.  1. The vehicle associated with the rider is now free. |

**Add Vehicle:**

|  |  |
| --- | --- |
| Use Case ID | U06 |
| Name | Add Vehicle |
| Actor | The Manager |
| Description | The Manager buys a new vehicle for the riders to deliver the products to the clients. |
| Flow | Base Flow:   1. The Company bought a new vehicle. 2. The Manager logs into the system. 3. The Manager clicks on the button of add vehicle. 4. The Manager selects the truck model from combo Box. 5. The Manager enters fuel average of that truck 6. The Manager enters the truck number. 7. The Manager enters the price of that truck. 8. The System validates the above details. 9. Clicks add. 10. Money gets deducted from the company account. 11. Vehicle information is added to the vehicle report by the System.   Alternative Flow:  2a. The Manager forgets the password.  1. The Manager clicks on a button to recover the account.  5a. The Manager enters an invalid format.  1. The System demands to enter only float values.  6a. The Manager enters an invalid number.  1. The System demands to enter three capital alphabets and three or four digit integer after that  7a. The Manager enters an invalid price.  1. The System demands to enter only integer values. |

**Deduction of Fuel Money:**

|  |  |
| --- | --- |
| Use Case ID | U07 |
| Name | Deduction of Fuel Money |
| Actor | The Manager |
| Description | The rider will send a report to the Manager on a weekly or daily basis about the fuel consumption of the vehicle assigned to him. Depending upon that report money will be deducted from the company account automatically by the confirmation of the Manager. |
| Flow | Base Flow:   1. The rider opens the fuel report. 2. Adds all the information about fuel consumption. 3. After clicking sent report, the Manager will receive the report. 4. The Manager will open finance module and will deduct the total amount of money spend on fuel of each vehicle. |

**Check Attendance:**

|  |  |
| --- | --- |
| Use Case ID | U08 |
| Name | Check attendance |
| Actor | The Manager |
| Description | Manager gets to check the daily attendance of each employee that works in the company. |
| Flow | Base Flow:   1. The Manager logs into the system. 2. The Manager clicks to see attendance of all employees. 3. A table gets displayed with employee name, status and his attendance.   Alternative Flow:  1a. The Manager forgets the password.  1. The Manager clicks on a button to recover the account.  3a. The owner asks for a report of attendance.  1. The Managers exports the table into a.csv file. |

**Give Salaries:**

|  |  |
| --- | --- |
| Use Case ID | U09 |
| Name | Give Salaries |
| Actor | The Manager |
| Description | The Manager is in the charge of giving salaries to all the employees each month. |
| Flow | Base Flow:   1. The Manager logs into the system. 2. The Manager clicks on the Finance button and from the dropdown menu; he selects “Salaries and bonus”. 3. Now the Manager can view the all the employees and the salary that is needed to be paid to them. 4. When the manager clicks pay button, money will be transferred to their account and deducted from the company account. 5. A message box will be shown of successfully transaction of money. 6. An email would be sent out to the employee being paid.   Alternative flow:  1a. The Manager forgets the password.  1. He clicks on a button to recover the account.  4a. Company account does not have enough money to pay the employees.  1. The company declares bankruptcy.  4b. The Date has passed and the manager forgot to pay any employee.  1. Rs. 1000/day gets paid to the employee. |

**Give Bonus:**

|  |  |
| --- | --- |
| Use Case ID | U10 |
| Name | Give Bonus |
| Actor | The Manager |
| Description | The Manager give bonuses to riders and sales agent depending upon their monthly performances based upon bar chart. |
| Flow | Base Flow:   1. The Manager logs into the system. 2. The Manager clicks on the Finance button and from the dropdown menu, he selects “Salaries”. 3. Two bar graphs will be shown to him. First will be of the rider performances based on their total orders and sales agent depending upon the working days. 4. The Manager will select the employee and click on Bonus button. 5. A pop up will be shown in which the Manager will input the bonus amount. 6. The System validates the entered amount. 7. The Manager clicks on pay and the money will be transferred to the employee.   Alternative flow:  1a. The Manager forgets the password.  1. He clicks on a button to recover the account.  5a. The Manager enters an invalid amount.  1. The System demands to enter amount in integers.  2. The System demands to enter amount ranging from 10 thousand to 20 for rider.  3. The System demands to enter amount ranging from 5 thousand to 10 for sales agent. |

**Tracking financial record:**

|  |  |
| --- | --- |
| Use Case ID | U11 |
| Name | Tracking Financial record |
| Actor | The Manager |
| Description | The Manager gets to view all the reports of the company and available balance in the company account. |
| Flow | Base Flow:   1. The Manager logs into the system 2. The Manager clicks on the Finance button and from the dropdown menu; the Manager selects “Company account”. 3. Analytical reports will be shown to the Manager containing:  * Total Salaries * Fuel Consumption * Bonuses * Warehouse Expense * Stock Expense * Vehicles .  1. The Manager exports these into .csv files. 2. The Manager also sees the company’s total money.   Alternative flow:  1a. The Manager forgets the password.   1. The Manager clicks on a button to recover the account. |

**Buy Stock:**

|  |  |
| --- | --- |
| Use Case ID | U12 |
| Name | Buy Stock |
| Actor | Inventory Supervisor |
| Description | Inventory Supervisor will be able to buy the products according to its requirement. Before placing the order, he will get confirmation from the manager through the email and we are assuming the products will be reached after one day and check-in by inventory manager. |
| Flow | Base Flow:   1. Supervisor logs into the system. 2. Supervisor clicks the Buy stock button in the side bar menu. 3. Buy Stock page is shown to the Supervisor. 4. Inventory Supervisor places the order by filling the information. 5. Inventory Supervisor enters the name of the product. 6. Inventory Supervisor enters the size. 7. Inventory Supervisor enters the quantity. 8. Inventory Supervisor selects the category from the combo Box. 9. Inventory Supervisor selects colour from combo Box. 10. Inventory Supervisor enters the price of single product. 11. Total amount is shown in the textbox. 12. The System validates the above details. 13. After this, price of individual product and the price of total placed order will be shown to him. 14. The manager will receive the confirmation email from the supervisor. It is upon him whether he confirms the order or he cancels the order. 15. When Inventory Supervisor receives the confirmation email from the manager then the confirmed order will be placed. 16. The order will be added in the stock after one day.   Alternative Flow:  1a. Inventory Supervisor forgets the password.  1. Inventory Supervisor clicks on a button to recover the account.  4a. Inventory Supervisor has to buy another product at the same time.  1. Inventory Supervisor clicks on ‘Add to cart’ for the previous order.  2. It will be added to the cart shown on the right side of screen.  3. Inventory Supervisor enters the details of the next order.  4. Goes to cart and click on request order.  7a. Inventory Supervisor selects the quantity ‘1’.  1. The System demands that he cannot place the order when he buys product less than a certain quantity.  10a. Inventory Supervisor enters invalid price.  1. The System demands to enter only float values.  15a. Inventory Supervisor receives the rejection email from the manager.  1. He will cancel the order. |

**Update Stock:**

|  |  |
| --- | --- |
| Use Case ID | U13 |
| Name | Update Stock |
| Actor | Inventory Supervisor |
| Description | Inventory supervisor will be able to update the stock when the order will be delivered by the rider. He can also view the pending orders and the completed orders. |
| Flow | Base Flow:   1. The rider comes to the warehouse to pick up his order. 2. Supervisor logs into the system. 3. Supervisor clicks on the ‘Update stock’ button 4. A table is displayed that contains all the available stock in the warehouse. 5. Inventory Supervisor enters the order number that is required by the rider. 6. Automatically these things will be deducted from the warehouse stock.   Alternative Flow:  2a. Inventory Supervisor forgets the password.  1. Inventory Supervisor clicks on a button to recover the account.  5a. The order required by the rider is not available in the warehouse stock.  1. The rider will be unable to take the order from the shopkeeper that is not available in the warehouse.  5b. Inventory Supervisor enters an invalid format.  1. The System demands to enter number in integers with‘#’.  2. The System demands to enter number of order present in the database. |

**Confirm Stock:**

|  |  |
| --- | --- |
| Use Case ID | U14 |
| Name | Confirm Stock |
| Actor | The Manager |
| Description | Manager gives the approval of what to buy from the supplier or what not. |
| Flow | Base Flow:   1. The inventory Supervisor has to buy some stock. 2. He requests the manager for approval. 3. Supervisor sent an email to Manager. 4. The Manager logs into the system. 5. Manager clicks on the ‘Notifications’ button 6. The Manager views the order. 7. The Manager clicks on accept. 8. Automatically these things will be added from the warehouse stock after one day.   Alternative Flow:  4a. The Manager forgets the password.  1. The Manager clicks on a button to recover the account.  7a. The Manager clicks on decline.  1. The inventory Supervisor gets notification that the order has been declined by the Manager.. |

**Mark Attendance:**

|  |  |
| --- | --- |
| Use Case ID | U15 |
| Name | Mark Attendance |
| Actor | Inventory Supervisor, Rider, Sales Agent, Inventory worker |
| Description | The actor marks his/her daily attendance and the report is send to the Manager. |
| Flow | Base Flow:   1. The actor logs into the System. 2. The actor goes to attendance section. 3. Marks the actor attendance. 4. Press OK. 5. The System saves and makes a report of attendance. 6. Automatically a report will be generated and send out to the Manager. 7. The System updates the date the next day.   Alternative Flow:  1a. The actor forgets the password.  1. The actor clicks on a button to recover the account.  1b. The actor does not have an account (inventory worker).  1. The inventory Supervisor clicks on attendance.  2. A table is displayed that contains all the workers under inventory Supervisor.  3. Inventory Supervisor marks their attendance along with his own. |

**View Stock:**

|  |  |
| --- | --- |
| Use Case ID | U16 |
| Name | View Stock |
| Actor | Inventory Supervisor |
| Description | The Supervisor gets to see available stock in warehouse for any purpose. |
| Flow | Base Flow:   1. The Supervisor logs into the System. 2. Inventory Supervisor clicks on View stock button to know how much stock is available in the warehouse. 3. A table is displayed to him.   Alternative Flow:  1a. Inventory Supervisor forgets the password.  1. Inventory Supervisor clicks on a button to recover the account. |

**Determining Price:**

|  |  |
| --- | --- |
| Use Case ID | U17 |
| Name | Determining Price |
| Actor | Inventory Supervisor |
| Description | Inventory supervisor can report holding, carrying and total costs. He will calculate the selling cost of the product after calculating all the company expenses. |
| Flow | Base Flow:   1. Inventory Supervisor logs into the System. 2. Inventory Supervisor clicks to calculate the selling price of an item present in the warehouse. 3. The System displays the price in a textbox. 4. Inventory Supervisor enters the details of the product to determine its selling price for the clients. 5. Inventory Supervisor clicks on calculate. 6. The System displays selling price of that item.   Alternative Flow:  1a. Inventory Supervisor forgets the password.  1. Inventory Supervisor clicks on a button to recover the account. |

**Add Client:**

|  |  |
| --- | --- |
| Use Case ID | U18 |
| Name | Add Client |
| Actor | Rider |
| Description | Rider will reach his assigned location and take details from the Shop Keeper. The information taken by the rider will reach to the sales agent and then sales agent will perform its certain actions. |
| Flow | Base Flow:   1. Rider reaches the Shop Keeper and he presses the button to take order. 2. Take Order screen will open where he can see all the products available with their prices. 3. Rider adds the information of the client. 4. Rider enters the name of the client. 5. Rider enters the CNIC of the client. 6. Rider enters the email of the client. 7. Rider enters the address of the shop from Google Maps. 8. Rider enters the number of the client. 9. Rider selects the area of the shop from the combo Box. 10. Rider enters the shop name. 11. The System validates the above details. 12. Then client has been created and rider takes the order.   Alternative Flow:  1a. The rider forgets the password.   1. Rider clicks on a button to recover the account   3a. The client is already an existing customer of the company.   1. Rider just enters the CNIC and the remaining information is automatically fills out.   1a. Two or more shops are registered on the same CNIC.  1. Combo Box will appear on the address from which rider selects the required address.  4a. Rider enters invalid name.  1. The System demands to enter name containing only alphabets.  5a. Rider enters invalid CNIC.  1. The System demands to enter CNIC containing only 13 digit integer.  6a. Rider enters invalid e-mail.  1. The System demands to enter e-mail that contains @ in the format.  7a. Address is not available on Google Maps.  1. The rider chooses the nearest location to the shop.  8a. Rider enters invalid phone number.  1. The System demands to enter number that contains only 11 digit integer. |

**Take Order:**

|  |  |
| --- | --- |
| Use Case ID | U19 |
| Name | Take Order |
| Actor | Rider |
| Description | Rider will reach his assigned location and take order from the Shop Keeper. The information taken by the rider will reach to the sales agent and then sales agent will perform its certain actions. |
| Flow | Base Flow:   1. Rider reaches the Shop Keeper. 2. Rider logs into the system. 3. Rider presses the Take Order button. 4. Take Order screen opens and he takes the order details. 5. Rider selects the product category from the combo Box. 6. Rider chooses the name of the available products of that category. 7. Rider enters the quantity. 8. Rider chooses colour from the combo Box. 9. Rider chooses the available size of that product from combo Box. 10. The System displays the price of single product. 11. The System displays the total amount to be paid. 12. Rider presses the place order button. 13. The information will be delivered to the sales agent. 14. The receipt gets generated on which the total payment will be shown. 15. Customer pays the advance. 16. Rider enters the paid amount by the client into the system.   Alternative Flow:  2a. Rider forgets the password.   1. Rider clicks on a button to recover the account.   4a. Required order of client is not available in the stock.   1. Rider sends an email to the Supervisor about the unavailability of the product. 2. Rider tells the client about the unavailability. 3. Client places a new order.   3a. Client cancels to place any order.  7a. Rider enters an invalid quantity.  1. The System demands for the quantity to be in integers.  2. The System demands for the quantity to be greater than 10.  15a. The client is already an existing customer of the company.   1. The client can/cannot pay the advance. |

**Deliver Order:**

|  |  |
| --- | --- |
| Use Case ID | U20 |
| Name | Deliver Order |
| Actor | Rider |
| Description | Rider will reach his location of shopkeeper and deliver his order. He receives the remaining payable amount of the shopkeeper. |
| Flow | Base Flow:   1. Rider logs into the system. 2. Rider clicks to view which order he has to deliver today. 3. Rider arrives at warehouse. 4. Rider picks up the order. 5. Rider reaches at his destined location. 6. Rider delivers the order to the shopkeeper. 7. Shopkeeper pays the remaining amount. 8. Rider enters the paid amount and mark tick on that client; assuring that the order has been delivered.   Alternative Flow:  1a. Rider forgets his password.   1. Rider clicks on a button to recover the account.   8a. The client is already an existing customer of the company.  1. The client pays the total amount of the order.  1a. The client asks the rider to pay later.  1. Rider enters the amount of that client into the cash book. |

**Pending Orders:**

|  |  |
| --- | --- |
| Use Case ID | U21 |
| Name | Pending Orders |
| Actor | Rider |
| Description | The rider can check the orders created. He has an option to view all the pending orders that have to be delivered in the given amount of time. |
| Flow | Base Flow:   1. The rider logged in to the system. 2. Rider clicks the button to check the to-do-list. 3. After clicking, all the order that have not been delivered to the required customers will be shown to Rider. 4. Rider can click on any specific pending order to check its details. 5. Remaining delivery time of all orders is also shown on the right side. 6. Rider clicks on tick button when the order is delivered and payment is received.   Alternative flow:  1a. The rider forgets the password.   1. Rider clicks on a button to recover the account. |

**View Orders history:**

|  |  |
| --- | --- |
| Use Case ID | U22 |
| Name | View Orders history |
| Actor | Rider |
| Description | The rider can check the orders created. He has an option to view all the orders that have been delivered to the required clients. |
| Flow | Base Flow:   1. The rider logged in to the system. 2. Rider clicks the view the history of all the orders that have been delivered. 3. A table is displayed to him accounting all the information.   Alternative flow:  1a. The rider forgets the password.   1. Rider clicks on a button to recover the account. |

**Add Fuel Details:**

|  |  |
| --- | --- |
| Use Case ID | U23 |
| Name | Add Fuel Details |
| Actor | The Rider |
| Description | The rider is also assigned a vehicle by the Sales agent. The rider adds the Refuelling date in the report of fuel consumption. The cost of each day and number of kilometres the vehicle is driven are also added into the report. |
| Flow | Base Flow:   1. The First thing Rider does in the morning is arriving at the gas station. 2. Rider asks the pump employee to fill the gas. 3. Rider logs into the system. 4. Rider clicks on the fuel report. 5. Rider adds truck number at the top only for one time and fuel cost per litre. 6. The System displays the current date. 7. The Rider enters kilometre being shown on the vehicle’s odometer. 8. The Rider enters total volume of fuel in litres. 9. The System calculates the cost. 10. The System validates the given details. 11. Rider clicks on update and the report is send to the Sales agent. 12. The Sales agent validates the report. 13. Report is sent to the Manager.   Alternative flow:  3a. The Rider forgets the password.  1. Rider clicks on a button to recover the account.  5a. The Rider enters an invalid truck number.  1. Sales Agent will check either it is the same vehicle that has been assigned to rider or not.  1a. Entered Truck has not been assigned to rider.  1. Rider is added to blacklist.  7a. The Rider enter invalid format.  1. The System demands to enter the kilometres in float values.  8a. The Rider enter invalid format.  1. The System demands to enter the litres in float values. |

**Assigning Location:**

|  |  |
| --- | --- |
| Use Case ID | U24 |
| Name | Assigning Location |
| Actor | Sales Agent |
| Description | Sales Agent will assign the location to all the riders. |
| Flow | Base Flow:   1. The Sales agent logs into the system. 2. Sales Agent clicks on the assign location button in side bar menu and the screen will be shown to him. 3. Sales Agent will select the rider from the dropdown. 4. Sales Agent selects the location from the drop down and clicks on the assign button. 5. The location will be assigned.   Alternative Flow:  1a. The sales agent forgot the password.  1. The sales agent clicks on a button to recover the account.  3a. A rider is already covering an area.  1. Sales Agent cannot select him for another location. An error message will be shown.  4a. A rider has already been assigned that location.  1. The Sales agent again assigns that location to another rider. |

**Assigning Vehicle:**

|  |  |
| --- | --- |
| Use Case ID | U25 |
| Name | Assigning Vehicle |
| Actor | Sales Agent |
| Description | Sales Agent will assign vehicles to all the riders. |
| Flow | Base Flow:   1. The Sales agent logs into the system. 2. Sales Agent clicks on the assign vehicle button in side bar menu and the screen will be shown to Sales Agent. 3. Sales Agent will select the rider from the dropdown. 4. Sales Agent selects the vehicle from the drop down and clicks on the assign button. 5. The vehicle will be assigned.   Alternative Flow:  1a. The sales agent forgot the password.  1. The sales agent clicks on a button to recover the account.  3a. Rider already has an assigned vehicle.  1. An error message will be displayed. |

**Tracking Order:**

|  |  |
| --- | --- |
| Use Case ID | U26 |
| Name | Tracking Order |
| Actor | Sales Agent |
| Description | Sales Agent has the power to view all the riders current and previous orders history. |
| Flow | Base Flow:   1. The Sales Agent logged into the system. 2. Sales Agent clicks on the track order button to get the information about an order. 3. Sales Agent selects the name of the riders from the dropdown menu. 4. The agent gets to view the rider and all his delivered orders and pending orders.   Alternative flow:  1a. The Sales Agent forgets his password.   1. Sales Agent clicks on a button to recover the account. |

**View Cashbook:**

|  |  |
| --- | --- |
| Use Case ID | U27 |
| Name | View Cashbook |
| Actor | Sales Agent |
| Description | Sales Agent gets to see which clients have not paid the order amount and send out an email to remind them after 15 days. |
| Flow | Base Flow:   1. The Sales Agent logs into the system. 2. Sales Agent clicks on ‘Clients’. 3. A table is displayed containing all clients and their due amount of money. 4. Sales agent click on email button to send them a reminder.   Alternative flow:  1a. Sales Agent forgets the password.  1. Sales Agent clicks on a button to recover the account.  3a. Client has zero due amounts.  1. Email option gets removed |

**Creating shortest Path:**

|  |  |
| --- | --- |
| Use Case ID | U28 |
| Name | Creating shortest Path |
| Actor | Sales Agent |
| Description | The rider is also assigned a vehicle by the Sales agent. The sales agent will assign him a field area. To deliver orders, rider has to use minimum fuel. So, sales Agent will define a shortest path to deliver orders to minimize fuel cost and maximize profit. Sales agent will use maps to show him shortest path. |
| Flow | Base Flow:   1. Sales agent opens the portal by entering email and password. 2. Sales Agent opens the tab to define areas of riders. 3. Sales Agent checks the list of the orders that have not been delivered yet. 4. Sales Agent click on location of any order. 5. Sales Agent opens application defined map to determine the shortest path to reach that location and save it.   Alternative flow:  1a. The sales agent forgets the portal password.  1. Sales Agent clicks on a button to recover the account. |

**Finding Path**

|  |  |
| --- | --- |
| Use Case ID | U29 |
| Name | Finding path |
| Actor | Rider |
| Description | The rider reaches the location where order is to be delivered using application map and Google map. |
| Flow | Base Flow:   1. The rider logs into the system. 2. Rider clicks the button to check the to-do-list. 3. Rider views all the orders that are needed to be delivered. 4. Rider clicks on any particular that rider is going to deliver. 5. Rider clicks on the location of that order. 6. The application map opens providing him with the shortest path to that area.   Alternative flow:  1a. The rider forgets the portal password.  1. Rider clicks on a button to recover the account. |

**Cancel Order:**

|  |  |
| --- | --- |
| Use Case ID | U30 |
| Name | Cancel Order |
| Actor | Rider |
| Description | The rider can check the orders created. He has an option to view all the pending orders that have to be delivered in the given amount of time. He can also cancel the order if asked by the customer. |
| Flow | Base Flow:   1. The rider logs in to the system. 2. Rider clicks the button to check the to-do-list. 3. After clicking, all the order that have not been delivered to the required customers will be shown to rider. 4. Rider is taking order and at that time, opens this window, rider will also have an option to delete or cancel the order.   Alternative flow:  1a. The rider forgets the password.   1. Rider clicks on a button to recover the account.   6a. The shopkeeper wants to cancel half, less than half or more from the order he just placed.   1. When rider clicks on the ‘cancel’ button of that order, Rider will be displayed the quantity which rider can increment or decrement according to the wish of the shopkeeper   6b. The shopkeeper wants to cancel half, less than half or more from the order shopkeeper placed at the time of delivery.   1. A message box will be shown that the client cannot cancel the order now.   1a. The shopkeeper insists on cancel the order and refuse to receive.  1. When rider clicks on the ‘cancel’ button of that order, 10% will be deducted from the advanced payment of the order.  2. The order is delivered back to the warehouse and gets added in the stock. |