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**PROJECT: FAST SHIPPING APPLICATION ( Ứng dụng giao hàng nhanh )****User requirements:**

Num	Requirement	Explain in details
1	Login	User including: Customer, Shipper and Administration can log in their account into the system based on database by inputting their username/email and password in login form
2	Sign Up	Customer can create a new account into the system by inputting some basic information of them in sign up form
3	Making order to delivery	User can input the information of good that they want to deliver, information of start point (Including: customer name, address, phone number) and information of the end point (Information: customer name, address, phone number). After all information is filled, they can click to button to process and start searching for finding out the nearest shipper to help them deliver their items in 30 seconds, this is also a period that customer can cancel their order.
4	Various choice for customer	For each shipping transaction, customer can choose the different way to ship their good, for example: aircraft, ship, truck, motorcycle. With each transportation type, it will have a different time to finish and also different shipping cost.
5	Cancel order at customer side	System provides customer at most 30 seconds to cancel their order if they change their idea or have any problem. After 30 seconds, system will start to find out the nearest shipper to delivery
6	Customer can access to the shipment history	Customer can access to the shipment history. Here they can find out all of their order in the past and can view all of them in details.
7	Vote or Feedback	After accessed in history of shipment and go to view the detail of order in the past, customer can choose to vote for shipper if they satisfied with shipper and system. Besides that, they can feedback if they are not satisfied.
8	Apply the promotion code	With this, customer can apply the promotion code which is sent or organized by administration.

8	Calculate the shortest way for shipper to deliver as fast as possible and calculate for estimate time	System will calculate the shortest and the fastest way to help shipper deliver items as fast as possible and base on that system can calculate the estimate time for shipment.
9	Deliver many items from many customers as the same time	Shipper can choose to deliver many items from many customer if they or on the same ways but at most 5 location in each shipping
10	Re-calculate the shipping way to help shipper exit traffic jam	If customer is on the way to deliver items but system find out that shipper is stuck at that street in 5-10 minutes so system need to re-calculate the delivery way again and help customer to get out that traffic jam.
11	Allow shipper add more location in journey	Shipper can add more location in their delivery way if it is necessary for them or if they think that it will help them to be faster. For example: shipper need to refuel their vehicles while they are delivering items to customer so that they need to reach the nearest gas station, at that moment, system need to calculate again for new way and new estimated time.
12	Cancel order at shipper side	Shipper can cancel order if they can not contact to customer after they reached the sender address or waiting time is more than 5 minutes or customer asked for cancellation.
13	Change shipper	After get items from customer, if shipper can not continue to delivery or they have any problem, violate with time policy of shipment, shipper can request system to find out other nearest shipper can help them to continue their job.
14	Manage shipper information	Admin can get all of information of shipper in the database to manage them. Show out good shipper and bad shipper to have suitable solution to enhance the shipping policy. This also help admin can manage the personal information of shipper and it will necessary in some cases. For example: Contact with family when shipper get accident, Send information to police if shipper steal goods from customer and hide away.
15	Manage customer information	Admin can get all of information of customer including: Name, address, phone number and number of using system from that customer. This is not only help admin can manage customer but also help them to find out the potential customer.
16	Shipping price can modify	The administrator can change the cost of shipping based on the policy of shipping and price of fuel. They can change the price per

		km or price per hour of shipping or the transport type.
17	Add new shipper and admin into the system	Sign up function of the system can not apply for admin and shipper because of the security problem so that it need to be added by administration.
18	Send invoice via customer email	Admin will send the invoice to customer when the order was finished
19	Block shipper if they are infringe	If shipper infringed the policy of shipment, admin can block their account.
20	Block customer if they are infringe	If customer infringed the policy of shipment, admin can block their account.
21	Send promotion to customer	Admin send promotions code to customer