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| \*REMEMBER TO:  - Update the field sizes and descriptions in the database  - Update the word document with the updated database  -Add back and home and next buttons on each page   * Add the purpose, what it is, to each input * Confirm met juf dat jy 4 tipe data types validate   -Onthou om spesifieke tipe validation na die fase 1 dok te add. Goed soos:  Range Check/ Format check/ Presence check  -Change the processing and other things in the phase 1 doc to look like the doc teacher uploaded that contains examples  - Add the logo to the welcome page |
| Add a startup procedure that check the database tblOrders for orders that have not been updated by an admin and then make changes to these like say one should have been picked up, but was not payed, the the status might change to Cancelled |

Password Length: 6-22

Add a map feature to show a line between the 2 countries

Company Age:

If a company is younger:

Give a discount to help company to flourish

* Allow the user to request some variability with the expected date/time of arrival; can ask to fly slower so that goods will arrive a bit later

Add a feature where when an item price or a fuel price is updated, the price of that item before the update is stored to a txt file as a ‘log’.

The format in the line of:

I#ItemID#Date#Price

This line will indicate the date of the change, if the price is from the item or the planes tables, the item or plane ID and then the price of the Item for transport or fuel price at that time, before the update.

When the user would like to see the price of an order they placed in a future time, the prices might have been changed, thus the system will look for a date in the log file and then find a date and the prices before the update of the time range in which the order was made. The program will then use the prices at that time for a calculation concerning the total cost at that time

Admin order management

More of a see the orders type of thing

Can only make the following changes:

* Status

Perhaps make it so that one a plane has been retired, no changes will be able to be made to the record

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| Total Cost:  Mineral Transfer cost+ Fuel Cost+  Base Cost  Mineral Transfer cost : kg \* R/kg  Fuel Cost: Fuel Cost/h \* total hours  Total Hours = Distance/ Cursing Spe  Base Cost: |

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| Exceptional Feutures:   * Play an introductory video * Use Delphi text to speech * Print a slip/report using Delphi * Use an API for weather reports and to make predictions on flight delays * Email Sender  |  | | --- | | * Use the python email sender that I have * Use a txt file as a transfer between the exe of the python sender and the Delphi program * When you need to send something, retrieve the email addresses from the database and write to the text file that the python script will loop thru to send an email to each of these addresses stored in the txt file * Write to another txt file that stores the message of what you want to send in the email * Send an email to the address when the transport was completed successfully * If we have time, create a template for the email in html and send it; figure out how to still add the message from the txt file to the custom html email * Or perhaps write a base code to a new html file each time a new message needs to be send and use a default background for the form * Use the build in Delphi sender and connect to the yahoo account to send the email * Send a text only email * Try to send an html email instead * Use an online image either from a website or from a file that you choose to share from google drive * The Image should be of small size and fairly low quality * Another option would be to create a template in html that does not use an image and only uses color or something and then use the template for email sending |  * Use .json parsing and files to extract/ change data not stored in the database * Use multiple forms and threads to allow emails, especially newsletter emails to be send in the background   Will prevent the program from freezing   * Use **parallel Programming Library**, TTask for the threading part of the program, much easier than threading |

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| Dynamic Components  The idea it to have a page and then generate image components on the page. Each of these image components will then be filled with an image from a folder for the customer to see.  You should be able to scroll down to see more images  Onclick dynamic c:  Display a positive message about Volitant express, such as how many orders they have successfully completed  \*\* If you have time, add an solution to prevent the same message from displaying in a row. It would also help to increase the amount of messages possible, as there will then be a decreased chance of generating the same random number in a row |

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| Ideas:  -Sort countries by continent; will need an additional dataset for this  -Plot county coordinates on a map  -Add calculations for flight longer than 8800km where the plain will stop for refueling. Charge the customer extra for these stops |

Blacklisted countries:

Countries that trade is not welcomed with.

* If a country is marked with a B, Blocked, then no transport can be done with this country.
* If a country is marked with a Number, then this is the percent increase of the total transport cost to/from this country
* Really bad if both countries are blacklisted

Admin Login:

* Use Track Bars (Like 3) to drag a combination to log in as an admin and perhaps just enter a 4 digit integer code or something

Notes for Admin output

DBG grid

Richedit

Panels; labels for summaries