Transportation Problem Solver APP



Introduction:

The goal of this application is to solve the transportation problem using the North-West algorithm by using KOTLIN and XML for development

Developed by:

- -BENGUELLA MOHAMMED ELAMINE TAHAR
- -GHOURBAL AYOUB

North-West algorithm:

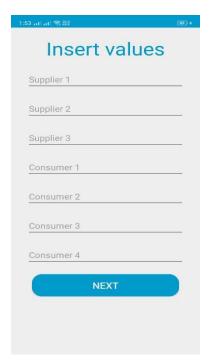
Calculate total cost:

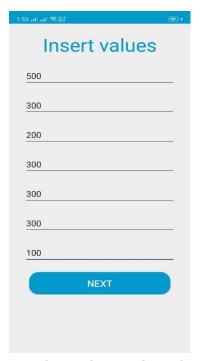
UI and the functionality of the app:



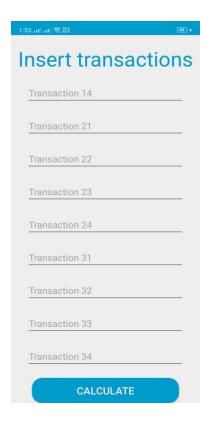


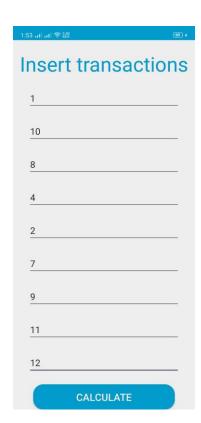
Here the user insert the number of suppliers and consumers (in this example it's suppliers=3 and consumers=4), then after clicking NEXT it shows:





Here the app displays another input to insert the values of each supplier and consumer (in this example it's 500 300 200 for suppliers and 300 300 300 100 for consumers), then after clicking NEXT it shows:





Here the app displays another input to insert the transactions of each supplier and consumer (in this example it's 6 5 3 1 10 8 4 2 7 9 11 12), then after clicking CALCULATE it shows the result:



	application creates dynamically all inputs depending ppliers and consumers entered firstly.	on the numb
(nam	ne application transfers the entered data via SHAREDPREFRENCES amed by CASHE), that's why if you click the back button of the phone ou can still modify the entered values and get the new result.	