UNIVERSITY
of **LUSAKA**

SCHOOL OF EDUCATION, SOCIAL SCIENCES AND TECHNOLOGY
BIT324 – SYSTEMS DESIGN AND IMPLEMENTATION
ASSIGNMENT 1

DATE: 08-02-2021 to 18-04-2021

1. **Read the instructions very carefully.**
2. **Answer all four (4) questions in this assignment.**
3. **Submit an Online document via the elearning portal, please confirm that it has been submitted.**
4. **Submission will be coupled with a presentation of your code and how the project works. This will be either online or offlineCAND IT′S THE NEXT DAY AFTER THE DEADLINE ON THE 19TH.**
5. **All late submissions attract a subtraction of 5 marks for each day overdue.**

NOTE: ALL THOSE ON DISTANCE PLANNING TO COME AND SUBMIT THEIR ASSIGNMENTS DURING RESIDENTIAL CLASSES, BE WARNED THAT WITHOUT THE UNIVERSITIES GO AHEAD I AM NOT RECEIVING ANYONE'S ASSIGNMENT.

There are 3 companies that are into transport business within Zambia. They have come together to create a mobile app that will allow them to be notified when customer's need a truck, van or motorbike and whoever is available amongst the companies, they will carry the item. Some of the attributes to take into consideration the volume, weight and location of delivery.

You have been hired to develop a mobile application that will allow people that need trucks:

- To book a truck
- Truck owners to receive the requests
- Truck owners to accept or deny the booking request.
- Customer to see the vehicle they have been allocated.
- Any enhancements are bonus points

Write the documentation:

- ER and DFD diagram
- What methodology of development would you use and why?
- Brief report on how the system works with pictures.

Use the following tools:

- React.js Language
- Expo as a faster coding environment
- Post the work on Git Hub
- The final handing is via a presentation either online or physical
- Buying hosting space on Google Android is a bonus point

Resources

Use the links below to learn how to setup ReactNative, expo and github, please do more research than this to succeed in your assignment.

1. https://reactnative.dev/docs/environment-setup
2. https://docs.expo.io/
3. https://reactnative.dev/docs/0.60/getting-started
4. https://github.com/
5. https://docs.expo.io/versions/v36.0.0/react-native/tutorial/