**Assignment 2**

On your way home, look around you and identify 3 major problems that you think you would like to solve.

* Indicate what the problem is.

1. The problem of transportation – The only means of transportation in this location is the use of bike, and getting access to bike is slim because the bike men are not many. The bike business has suddenly reduced because of high cost of fuel, so you can’t blame them when they tell you how much it is to get to the nearest junction even though it isn’t far to get there.
2. The problem of bad roads – The roads have become so bad with deep potholes, and hardly accessed by vehicles, but accessible to bikes. Major roads in that leads to this vicinity are void of drainage systems to channel water from the main roads which contributes to the roads getting damaged.
3. The problem of lack of job opportunities – There are no lucrative jobs, or well-paying jobs. The only seemingly jobs that are common are farming, hawking, POS and bike transportation. In this location, young adults and children are sent to the streets to hawk and sell items that travelers might be interested to buy, like yam, maize, fruits etc. They are deprived of going to school because the parents barely have enough to pay for school fees. The bad roads now affect their business because transportation cost is high when it comes to transporting goods from the urban areas to the rural area, the roads have become too bad for motorists to journey through easily.

* Who are the target audiences involved?

1. The Target audience are people both young and old

* Why do you need to solve the problem?

1. I need to solve the problem to reduce or eliminate to damage done on road networks.
2. To reduce the rate of poverty in the community.
3. To reduce the standard of living so that even the less privileged can make a good living.

* Formulate the design challenge. Use the statement.

1. How can I design an Innovative and sustainable transportation solution that addresses the challenges posed by bad road conditions while simultaneously creating employment opportunities for local communities?
2. How can I make education and going to school a must for those that can’t afford it?
3. How can I reduce the rate of unemployment?
4. How does design help people in local communities move out of poverty?
5. How do I have more impact through innovations?
6. How do I improve the standard of living in local communities?
7. How might I create more services that people can use on a day-to-day basis?