We are facing not just a challenging business environment but a rapidly changing one. There is always room for improvement. Running a Distribution System without a proper application can lead to many problems. In the warehouse, by not managing your stock count, cost price changes and not being able to view your stock position can have drastic consequences. The company has no way of knowing how much stock is left in your warehouses and how much you’ve sold out. If you don’t know how much you have left, you can’t restock your inventory which will cause delays and frustrate your customers. It is important to track your inventory so that you can plan ahead effectively. The company is unable to keep a record of its employees, day-to-day sales and profits, customer information and transportation cost. Searching a 10-year-old record for the company is extremely challenging. Speed is also critical when ensuring that you get the correct items picked, packed and distributed to the correct address and client. Understanding the right approach to solving these challenges is essential for distributors to adapt, transform and differentiate themselves in this new challenging business landscape.

We are all aware that we live in an increasing electronic world. Simply put if the Distribution Company is not using a proper, well-managed application then it is facing commercial suicide. So, our Project aims to develop such an application for the Company that can address all the above problems and help the company improve the distribution system and management of the company processes.

The administrator of the application is the General Manager of the company. He can hire the company employees (sales agent and inventory workers), riders (to deliver the packages) and an inventory Supervisor. He is in the charge of each module. Each employee would have their individual accounts. The inventory Supervisor is in charge of the warehouse, keeping the record of the product as being delivered by the Manufacturing Company. The sales agent will deal with the clients, their orders and assign the area to the riders. The rider would be a given a specific area in which he would have to deliver all the goods and complete all its orders in the given time. Further bonuses will be given according to the performances at the end of the month.

The Distribution Company that we have plumped for is the Shoe Distribution Company. A well-recognized shoe Manufacturing Company **ADIDAS** is our manufacturer. The implementation of this application will work with a company called **ARM**.As a distribution company we deliver the products to numerous retailers, wholesalers, concept stores, buyers and agents all over the Lahore. It operates on its own as it is an independent company establishing a connection between the products and the client.

The Record and performance are also evaluated automatically in order to provide the appraisal. The company established the excellent track record for the best customer satisfaction. As a footwear sourcing company, we also provide sustainable material sourcing options to help our clients choose a greener path. An organization’s main focus must be to satisfy its customers and in order to do so we are providing a cancellation policy for the client and email verification after the order had been sent to them. For every order the rider takes from the shopkeeper are verified and accepted by the Sales agent. In case of unavailability, the Inventory Supervisor takes care of that and order new stock after the approval of the Manager. The client should place the minimum required order otherwise order could not be placed.

Sometimes, the rider doesn’t deliver the parcel to the exact location. So, to overcome this problem we provide the rider with the exact location of client on our own designed application map that will be a replica of Google Maps. The rider also uses Google Maps to auto fill the address of the shopkeeper. To deliver the products to the shopkeepers,

There is also a proper system of buying and assigning the company delivering trucks to each rider by the Company’s Sales Agent.

The application also maintains the daily attendance of the employees, the scheduling of the riders and fuel consumption cost. The Manager can produce analytical and table reports of different activities.

Our system is cited as the most efficient tool that is at the company’s disposal.

The application offers four modes.

* Manager authorized mode.
* Sales Agent authorized mode.
* Inventory Supervisor mode
* Rider authorized mode

For the application to work, we have assumed that each employee would have an email account. It is not mandatory for the client to have an email ID but CNIC of the client is compulsory. Moreover, this project is constrained by use of Laptop or any other desktop device. Sales Agent, Manager, Inventory Supervisor and rider are equipped with above mentioned devices at all times.