**Chapter 1**  
**Introduction**   
  
**Background**   
Edarn enterprise limited is a privately owned contractor company located at Nairobi along Mwananchi Road and was established in the year 2010.  
The company is duly registered with National Construction Authority (NCA).   
  
Edarn enterprise limited involves in providing products and services for containers conversion and containers sales and Transport.   
The company prides itself with a qualified and well experienced team of professionals under the leadership of the Managing Director (MD).  
The Managing Director has proven record of over five years in the implementation of related projects that have successfully been completed.   
  
The company convert shipping containers into various structures suitable for different applications.   
Containers can be converted into homes which is later retailed at ksh 799000.  
Container offices which is retailed at ksh599000. All the designs are customer driven.  
Over the years company have diversified into other fields such as supply of construction materials like cement, steel, Ballast and timber.   
  
The company established relationship with the customers is based on quality, speed and competitive pricing and competitive pricing and after work support service.   
  
Edarn enterprise limited perform human resource audit at interval to determine whether the appropriate staff is present within the organization to perform jobs efficiently and effectively.   
  
The company work in daily routine is Monday to Saturday from 8:00am to 6:00pm.  
  
  
**Problem statement**   
The situation in Edarn Enterprise Limited will be considered ideal if they can offer online services to customers. The customer can able to see the products available and order whichever product they require. The customer should get notifications from the company concerning product on stock or out of stock. When there are new offers customer should be easily notified .products that are new to the market should be conveniently communicated to the customer without requiring them to log in through the website to get the update.   
  
Currently the customer have to make a call to the company to inquire for the product available and make orders or purchases or log in to website to view them from there. Sometimes the customer has to visit the company physically to inquire for the products they need. After the customer has made the inquiry the customer is directed to make payment. After the customer has made payment he or she is advised to provide the address where he or she want the product to be delivered, active phone number and ID number.Then product is delivered to the customer destination. After the customer has received the product he or she is requested to put a signature on a document confirming that the product is received by the customer. Customers get updates by logging into the website or calling the company. Products on offer are only communicated to the customer through website.   
  
The gap existing in the company is that the customers are unable to order or purchases products online. The company finds difficulties in recording payments manually and evaluation of transactions. Not all containers delivered reach out to the target audience. Also the customer find it difficult to receive notifications from the company conveniently. The website available is not enabled to get updates to the customer without necessarily having them to log in .This means that the customer could miss out an important updates from the company.   
  
The proposed mobile application will  enable the customers to products and services online where there will be able to create account where they will be able to check services and prices and able to order products online. The application will enable finance controller to keep track of transactions and record payments made easily. It will also enable the driver to deliver the products on time and ensure the product reach the right target audience. The application will enable the customer to receive notifications when there is new products being advertised by Edarn enterprise limited. The customer will only need Internet connection and allow notifications from the App.  
  
  
  
**JUSTIFICATION**   
  
The proposed system will enable the customers to create their accounts which will make it easier for them to order for the containers, make inquiries and purchase them.   
  
The customers will be easily updated by the company on any changes in particular products and therefore they will be prepared in advance.   
  
Distribution of containers to customers is simplified since the customer information is captured in the database, including the addresses where their orders shall be delivered.   
  
It will enable the finance controller to keep track of transactions and record payments easily.   
  
  
**OBJECTIVES**   
Main objective  
To develop Mobile Application for Edarn Enterprise Limited.   
  
Specific objectives   
•   To develop database for Edarn Enterprise.   
•   To create a user interface module for Edarn Enterprise Limited.   
• To develop an administrator Web interface for Edarn Enterprise   
• To create order placement module for Customers.   
  
  
**SCOPE OF THE STUDY**   
The proposed system will be a mobile application where its users will be mainly the administrator, financial manager, customers, driver, container designer and company manager. It will cover the following modules;   
**Database module**  
It will contain all the data and the information of the company together with details of the customers.   
  
**Administrator module**  
The administrator manager manages the users account, add users, and also reset password for the users.   
  
**Finance controller module**  
This module enables overseeing of the payments made by the buyers on the products, and verifying the transactions.   
  
**Customer module**   
This module will allow customers to create account and can be able to navigate through the platform checking on services and containers prices.   
  
**Inventory manager module**   
After product have been ordered by the customers the stock reduces and hence it’s the work of the inventory manager to update the stock .This will enable the stock keeper to update the real-time information about stock remaining in the company.   
  
**Driver module**   
This module provides information on where the containers to be delivered and ensure the container reach the right target audience.   
  
**Company manager module**   
This module will allow the manager to communicate with the customers easier and be able to know the service required by the customer.   
  
**Ordering module**   
Containers varies in different prices and under this module the customer is able to search for the correct price required and after that this module will enable customers to order for the product.   
  
**Supplier module**   
This the module that the supplier shall use to indicate their supplies.   
  
**Payment module**   
After a customer had ordered the product from the ordering platform they are required to make money transaction from their accounts to company's account.   
  
**Feedback module**   
Regarding the quality of products, the company will require to get report from the customers. This module will enable the customers to give feedback on the product of Edarn enterprise limited.   
  
**Help module**   
This will contain a guideline on how to use the application. The users will be guided in all the processes and procedures involved.   
  
**Search module**   
This module will provide customers with a search platform to search for specific desired services without scheming through the list of services given by the company.   
  
**Report module**   
To ascertain payments made by the customers and other transactions, the report module will be used to generate reports on the sales and finance of Edarn enterprise limited.