Software Engineering

Task 1

*Team members :*

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*Problem statement*

* 1. The current situation: The current situation is that a normal employees in a large supermarket suffer from various problems such as it takes them too long when searching for a desired product location, they also can not estimate exactly the remaining or the expired date from each product, and this make serious problem in estimating the amount of storage and in dealing with suppliers. Another problem is that when a customer asks an employee to inform him about some product or its alternative in order to make the decision of purchasing however a single employee cannot has all details about all products.
	2. Stakeholders :
1. Employees
2. Customers
3. Suppliers
	1. The functionality the new system should support: Our system is going to correct some of the problems discussed above and will also involve the mobile computing constraints. First of all, our system is an mobile application which includes a map of the supermarket that leads the employees to the correct location of each product.

Another essential part of the application is that it will notify the employees of the expired or finished types of goods so they can estimate the amount of remaining products and send an accurate orders to suppliers. By this notification employees will reduce the cost of storing goods.

Finally the application will make a database about every single product in the supermarket so that the each employee can access this database and knows a full details about the products.

d. The environment in which the system will be deployed: our system is created to submitting services for employees who works in supermarkets or malls