SYSTEM DESIGN DOCUMENT

# Introduction

Design is the abstraction of an answer; it's the common description of the answer to an issue without a details. Design is view sample seen within the evaluation part to be a sample in a design part. After design part we are able to reduce the time required the implementation.

## Purpose of the System

As said within the Requirements Analysis Doc, the aim of the system is a scholarship management system. The aim of this technique supplies the next causes: Distributors can sell and sell the products they want to sell safely and easily on this site. Customers can choose the right one by filtering the products. They can purchase the products of their choice if they wish and the product is in stock.   
This system serves as a bridge between customers and distributors. They will be able to access the products they want to reach easily.

## Design Goals

The design objectives signify the specified qualities of scholarship management system and supply a constant set of standards that should be thought of when making design choices. Based on non-functionality requirements the next design targets must achieved as a way to qualify the system as profitable:

* **Security**

The system security is one of the most important non-functional requirements.

* **Reliability**

The system has to carry out the scholarship management operations with no errors. The web site developed needs to be extremely dependable and safe in order that details about any questions and many others shouldn’t be leaked earlier than the precise examination is held.

* **End User**

Distributors may only sell approved products.System should be able to deal with a number of users. Customers can only purchase products in stock.This system should run on a number of operating systems and support windows operating system.

* **Performance**

The system has to be sturdy enough to manage any valid input from the users.

## Definitions, Acronyms, and Abbreviations

**Customer**: The system user who will buy products

**Admin**: The system administrator who will manage all data system data and user controls.

**Distributor:** Distributors are actors who can sell their products

## References

* **www.gittigidiyor.com**

# Current Software Architecture

The system helps in the connection between distributors and costumers. Customers can easily filter the products they want to have. In order for the products to be sold, it is necessary to have administrator approval. In the same way, administrator approval will be required to be a distributor in the system. Product sales will be carried out safely. The products added to the basket can be removed from the basket if the customer has ceased to take it. We will develop this system in order to eliminate the problems such as improper product sale, unsafe sales process.

# 3.Proposed Software Architecture

This system is web based. It will be a very useful website for sellers. Anyone who wants to sell products is not the only real sellers. In this case, the only thing that needs to happen is the approval of the manager. The unsuitable user will not be registered to the system. Likewise, products with inappropriate content will not be available in the system. Anyone who wants to perform a purchase will be able to register on my site. Of course, the only justification will be the approval of the manager. The system we have developed will be very useful and reliable.

**3.1. Overview**

During the system design modeling of scholarship management system, we divided our system into subsystems. This provides us a strong coherence. Our subsystems are ; Account management system, which has account transactions. Distributor management system, has functions of distribuotr actor, customer management system which has costumer’s functions and database subsystem to control storage.

## 3.2.System Decomposition

The decomposition shows the existence of the following subsystems:

* Account management subsystem
* Student management subsystem
* Instructor management subsystem
* Database subsystem

**Account management subsystem**

This subsystem managing user accounts. It offers perform for creating an account, updating an, approve and close an account for admin side. Admin is the only actor who has permission to access close and approves functions. Create and update functions are accessed by distributor and customer. This subsystem uses login services of the distributor management and customer management subsystems

**The operations provided by this subsystem are:-**

* Login ()
* Change password ().
* Create account ()
* Update account ()
* Close account ()
* Approve account ()

# Customer management system

This subsystem in managing customer actor’s function, offers customer side to its functions after authenticate. Managing customer access to buying product, filtering product, viewing basket and viewing products detail. Displaying products purchased after purchasing the product.

**The operations provided by this subsystem are:**

* buyProduct()
* viewProduct()
* viewBasket()
* filterProduct()

**Distributor management system**

This subsystem in managaing distributor actor’s function, offers distributor side to its functions after authenticate. Managing distributor Access to adding product, deleting product, updating product , view his/her products. Displaying products sold after the product is sold.

**The operations provided by this subsystem are:**

* AddProduct()
* DeleteProduct()
* updateProduct()
* viewProducts()

**Database subsystem**

This subsystem will be implemented by relational database management system used to store the president data. All subsystems are related and having service with this subsystem.

