SOFTPLUS IT

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TECHNICAL DOCUMENTS

For

SOFTPLUS Project

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# Introduction

The section introduces the technical document for the SOFTPLUS system to its stakeholders.

## Purpose of SRS

This document provides a comprehensive architectural overview of the system using an object oriented aspects which describes the system in components, their behavior which affects the functionalities of the system. Document describes system in decomposed level by different diagrams.

# SOFTPLUS System Overview

This section provides a high level description of the SOFTPLUS system including its definition, primary business goal, business objectives, context, and capabilities.

## Definition

The SOFTPLUS system will be a Web-based system bringing together private individuals and small companies to manage the business.

## Business Goal

The business goal of the SOFTPLUS system is to help business, manage business effectively.

## Business Objectives

The business objectives of the SOFTPLUS are to provide the following business benefits to its users.

## External Hardware

The SOFTPLUS system interacts, either directly or indirectly, with the following significant external hardware:

* Client Hardware:

User Client: which are the personal computers, iPhone and mobile phones used by users to communicate with each other and with the SOFTPLUS over the Internet?

* Networks:

Internet: which is the global network used for communication among users, and the SOFTPLUS.

Local Area Network, which is the internal local area network used for communication among users and the SOFTPLUS. When internet is disconnected SOFTPLUS local storage data and after getting internet connection those data will be sent.

## Development, Testing & Operational Environment

Development Environment (Server):

Software: SQL Server 2008, IIS 6/7, Microsoft Windows 2000/XP/7.

Hardware:

Processor: Minimum 2.0 GHz Pentium 4 Processor;

Memory: Minimum 1 GB of RAM;

Hard Disk: 100 MB of available space;

Development Environment (Client):

Software: Microsoft Windows 2000/XP Professional, Visual Studio 2008, IE7, Firefox 3.1

Hardware:

Processor: 1.0 GHz Pentium 4 Processor or higher is required;

Memory: 512 MB of RAM or higher is required;

Hard Disk: 100 MB of available space or higher is required;

Operational Environment (Client):

Software: Microsoft Windows 2007/XP Professional will be used for client package.

Hardware:

Processor: 1.0 GHz Pentium 4 Processor or higher is required;

Memory: 512 MB of RAM or higher is required;

Hard Disk: 100 MB of available space or higher is required;

Testing Environment (Server & Client):

Testing environment is same as operational environment (server and client).

## Site Adaptation Requirements

## System Constraints

* Regulatory Policies.
* Hardware Limitation.
* High Order Technical Requirements.
* Reliability Requirements.
* Criticality of the Application.

**3.0 Functional Requirements**

The section of the SRS specifies the functional requirements of the SOFTPLUS in terms of use cases and their associated use case paths. The use case model is primarily organized in terms of the externals that benefit from the use cases.

## Use SOFTPLUS System

Use Case Diagram:

Use case diagram will be here

Figure: Use SOFTPLUS System

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Use Cases:

* Login in the System
* Insert Master, Details Data
* Save those Data

## Use Case Specification:

* Brief Description:

This use case allows a user to login in the system.

* Requirement:

The system should enable users to use and user must be register.

* Business Justification:

This use case allows user to retrying login in the system.

* Requirements Trace:
* Use Case paths:

Normal Path

* Insert Master, Details data in the System

Exceptional

* None

#### Normal Path – Insert Master, Details data in the System

- Path Requirement:

The system should enable users to use and user must be register.

- Preconditions:

This user must register to the system.

The user must have the permission to operate the function.

- Post Condition

This system can insert Master, Details data to system.

Flows of Events

1. The user provides the following information:
   1. The user will provide user name.
   2. The user will provide password.
   3. If the user wants to remember him for next then check remember checkbox.
   4. After Login in the system, the user can insert Master, Details Data
2. The user provides the following information.
   1. The system generate Customer ID auto.[n1]
   2. The user will provide Customer Name.
   3. The user will provide Address.
   4. The system will fill the Item Size drop down list with the Item Size. The user selects an Item Size.
   5. The user will provide quantity.
   6. The user will Add Details Item to Details Table.
   7. The user can Reset Details Entity field
   8. Finally user can save Master, Details Data to Server. If Internet connection is not available then System storage data locally after getting internet connection System will save that local storage data to server.[n2]

Note:

* Customer ID should generate auto and unique.
* We are using HTML5 localStorage to temporarily data when user offline. Then system checking 10 minutes later Internet Connection. Getting internet connection system send localStorage data to server. We can get full feature when the System will access by URL.

# Hosting Requirements

The section of the technical document specifies the hosting requirements of the SOFTPLUS. This web base application so we have to use it by host any server. Then we can use by URL. When we are going to host we should use .NET 3.5 because this builds by .NET 3.5.