

# Barcode Reading using Mobile in Web Application for Dispatch Management

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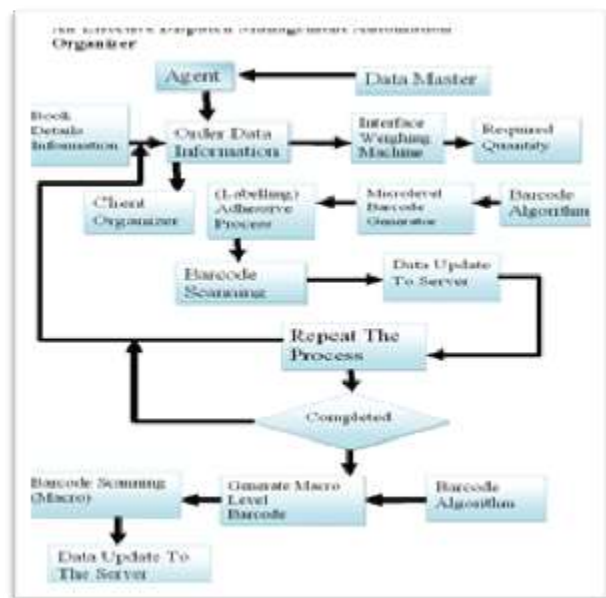
**Abstract---** The Barcode generating using mp3 mobile in web applications is generating the algorithm for barcode printing, reading and scanning the barcodes and add the details into the server. Hence the dispatch manager doesn't need to take the label print out separately as the barcode print out will be having all the necessary information. The order of the binding sequence is queued based on the binding sequence is queued based on the parcel register details form the main applications. The order can be changed among the three weighing machines with the help of new the application by which we can control which weighing machine with attached barcode will be creating which micro level parcel. The entire micro level parcel meant for leaf and agents will be bounded and will be passed to the main parceling unit. After scanning the parcels by using scanner and changing the status as dispatch using the transporting vehicle, thus creating dispatch Log automatically. Dispatch system will be having complete records of all the parcels covering entire lifecycle starting from binding to transportation.

label printout separately as the barcode print out will be having all the necessary information.

The order of the binding sequence is queued based on the parcel register details from the main application with the help of application the barcode will be creating which micro level parcel. The entire micro level parcel mean for leaf end agents will be bounded and will be placed in the conveyor belt and will be passed to the main parceling unit.

The main parcel packed will be transferred to the storage area from which it will be loaded to the transporting vehicle after scanning the parcels by using scanner and changing the status as dispatched using the transporting vehicle thus creating dispatch log automatically.

## Data Flow Diagram



## I. INTRODUCTION TO THE PROJECT

The automation system must start and stop processing monitor sorting operation collect process data change controllable variable select recipes and control dispatching.

The dma system will be using the core data of the existing system using our new database pool and automate the dispatch system based on the parcel register plan sent by the circulatory department.

Hence the dispatch manager doesn't need to take the

## Barcode Generating

Barcode are being widely used in many fields for applications of great commercial values by encoding are able to both carry explicit information and a database key.

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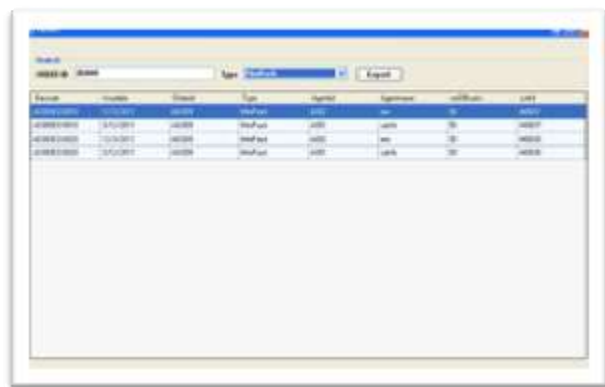
Barcode generating for dispatch management for an organizer. The barcode printing for an dispatch organizer. In this project barcode has generating for an label printing for dispatch process. Barcode can print the details which we add into the data base.

### Main parceling unit -G



### Barcode Scanning

Barcode Scanning so many requirements are equipments of electronic devices used. Most probably the scanner are wired are fixed place and also used by power. Now the barcode scanner is used by the mobile applications. The MP3 mobile used for barcode scanning. In this applications can easily scan the data form the barcode and easily entered into the server. This process is used for dispatch management. While reading the barcode it will show all the details in the mobile scanner and once we press ok then the data add into the database which in server.



### Delivery section - I



### Scanner



This scanner is HONEY WELL-6100PDA microsoft window CE5.0 ., 128 MB

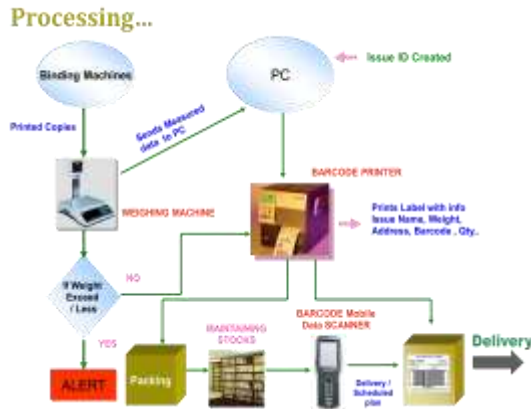
RAM X 128 MB Flash 2.8 “ transmissive active matrix 65k color LCD with backlight,QVGA(240 X 320 , Dual Mode 802.11/b/g (11 Mbps/54 Mbps)) with the internal antenna, battery 8+ hours with scan and continuously transmitting 5300SR 2D Image with adapter technology and Laser Aimer decodes all standard 1D ,2D, Postal and OCR barcodes and charger-cradle.

## II. RELATED WORK

By using barcode generator and scanner also used for in dispatch and packing service, It user friendly it will add into the server at the time of scanning, while dispatching it will easily scanning during the travelling , Time consuming, Man power consuming, No Power supply needed.

### Process for DMA

In Dispatch Management the barcode Scanner read the barcode and it dispatch to the particular area and once it read and add into the server



### Barcode Scanning Algorithm

```

public void PrintBarcodeData(Double[] ListBarcodeItems > barcodeItems)
{
    if (null != ConfigurationSettings.AppSettings["BarcodePrint"])
    {
        PathFolder = ConfigurationSettings.AppSettings["BarcodePrint"];
        FileFullName = Path.Combine(PathFolder, fileName);
    }

    //Fields which stored in database as string
    if (File.Exists(FileFullName))
    {
        File.Delete(FileFullName);
    }
    else
    {
        Directory.CreateDirectory(PathFolder);
    }
    using (StreamWriter sw = new StreamWriter(FileFullName))
    {
    }
}

//Declarations
for (int m = 0; m < barcodeItems.Count; m++)
{
    //Printing the Barcode value
    sw.WriteLine("D0789,1005,0744");
    sw.WriteLine("C:/");
}
sw.Close();
}

if (_PrintToPrinter)
{
    this.BeginPrint();
}

private void BeginPrint()
{
    Directory.GetCurrentDirectory().Replace(Directory.GetCurrentDirectory(), "");
    string batchFile = "barcode.bat";
    PathFolder = ConfigurationSettings.AppSettings["BarcodePrint"];
    string printerFilePath = Path.Combine(PathFolder, batchFile);
    try
    {
        if (File.Exists(printerFilePath))
        {
            ProcessStartInfo processInfo = new ProcessStartInfo(printerFilePath);
            processInfo.UseShellExecute = false;
            processInfo.WindowStyle = ProcessWindowStyle.Minimized;
            System.Diagnostics.Process.Start(processInfo);
        }
        else
        {
            //Batch file doesn't exist.
            using (StreamWriter sw = new StreamWriter(printerFilePath))
            {
                sw.WriteLine("TYPE " + fileName + ">print");
                sw.WriteLine("EXIT");
            }
            sw.Close();
        }
        // Again call the print.
        BeginPrint();
    }
    catch (Exception ex)
    {
        throw new Exception("An error has occurred while printing barcode of id " +
            ex.Message);
    }
}

```

### III. APP CONFIGURATION

```

<configuration>
  <configSections>
    <section name="dataConfiguration"
      type="Microsoft.Practices.EnterpriseLibrary.Data.Configuration.DatabaseSettings,
      Microsoft.Practices.EnterpriseLibrary.Data" />
  </configSections>
  <connectionStrings>
    <!--<add name="ProductAndSales" providerName="System.Data.SqlClient"
      connectionString="Data Source=ANITHA\SQLEXPRESS;Initial
      Catalog=ProductAndSales;Integrated Security=True" />-->
    <add name="dma" providerName="System.Data.SqlClient" connectionString="Data
      source=WINIYA\SQLEXPRESS;Initial Catalog=dma;Integrated Security=True" />
  </connectionStrings>
  <dataConfiguration defaultDatabase="dma" />
  <appSettings>
    <add key="ImagePath" value="C://ProductAndSales/Images/" />
    <add key="BackupPath" value="C://ProductAndSales/Backup/" />
    <!--<add key="ServerName" value="ANITHA\SQLEXPRESS" />-->
    <!--<add key="ServerName" value="LST1\SQLEXPRESS" />-->
    <!--<add key="DataBaseName" value="ProductAndSales" />-->
    <!--<add key="PrinterName" value="HP 2500C Series" />-->
    <add key="UserId" value="" />
    <add key="Password" value="" />
  </appSettings>
</configuration>

```

### IV. CONCLUSION

Thus the ultimate aim to achieve the target to plan their process for Barcode Reading in Mp3 Mobile in web Applications for Dispatch Management for dispatch system to save the time and manual process for reading the data and also find the details for the packing.

### V. FUTURE ENHANCEMENT

The system can be further enhanced by adding new feature and facilities. Abstract the hosting platform as dispatch management automated organizer(Process, Storage, and Dispatch). Manage those resources based on scalability and availability once the barcode reader/ Scanner once read the label it will automatically stored in the server

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