REQUISITION FORM SOFTWARE

Under Guidance of

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A Project Report
Submitted In Partial Fulfilment of The Requirements
For The Award Of the
Bachelor of Technology
Project Carried Out At

Submitted By

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Department Of Information Technology
Heritage Institute of Technology
Kolkata - 700107
West Bengal | INDIA | Dec, 2023

Project Responsibility Form

Requisition Form Software

SERIAL-NO	NAME OF THE STUDENT	RESPONSIBILITY
1	SOUMIKA SARKAR	DATABASE CONNECTION, REPORT PAGE, UI DESIGN
2	SAIMANTI MULLICK	WELCOME PAGE, LOGIN PAGES, REQUISITION PAGE

Self-Certificate

This is to certify that the dissertation/project proposal entitled **"REQUISION FORM SOFTWARE"** is done by us, is an Authentic work carried out for the partial fulfilment of the requirements for the award of the certificate of **Bachelor of Information Technology** under the guidance of **Mr. Paritosh Ch. Dey**. The matter embodied in this project work has not been submitted earlier for award of any certificate to the best of our knowledge and belief.

Name of the Student

- **Soumika Sarkar**
- **Saimanti Mullick**

Signature of the students

a.

b.

Certificate of Approval

This is to certify that this proposal of Minor project, entitled **"Requisition Form Software "** is a record of bona-fide work, carried out by: 1. Soumika Sarkar, 2. Saimanti Mullick under my supervision and guidance through the Marathon Electric Motors (India) Limited (A Regal Rexnord Company). In my opinion, the report in its present form is in partial fulfilment of all the requirements, as specified by the Heritage Institute of Technology as per regulations of the ***Marathon*** . In fact, it has attained the standard, necessary for submission. To the best of my knowledge, the results embodied in this report, are original in nature and worthy of incorporation in the present version of the report for Bachelor of Technology.

Internal Examiner(s)

Head of the Department
Department of Information Technology

Kolkata, W.B
(Affiliated to MAKAUT,WB)

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I sincerely express my gratitude towards the Organization for providing me with this opportunity. I also wish to express my sincere thanks to all department faculties and staff members for their support.

Lastly, I would also like to thank my parents and friends who helped me a lot in finalizing this report within the limited time frame.

Date: 10th February, 2022

Name: Saimanti Mullick

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Dept: Information Technology (4th Year)

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1. Marathon Electric Motors (India) Limited (A Regal Rexnord Company)

Founded in 1913, the Marathon Electric Motors India Limited has more than 100 years of experience in manufacturing high quality and reliable electric motors and fans in India. Marathon Electric has built on a rich history of some of the well-known electric companies. Marathon Electric Motors started its journey as GEC UK, after the European Union was formed GEC of UK and Alcatel Alstom of France merged to become GEC Alstom, then this Company became Alstom. In 2007, Regal Rexnord corporation USA acquired Alstom India Motors and Fans business and named as Marathon Electric Motors India Limited.

Our product range consists of various type of LT & HT induction motors in enclosures such as TEFC, CACA, CACW, TETV and SPDP from 1KW to 4500KW and in Voltages 415V, 690V, 3.3KV, 6.6KV and 11KV for safe area and hazardous area e.g. Exd and Exn.

We have supplied more than 15000+ HT motor & many LT motor to almost all the major customer in Power, Steel, Mining, Water, Oil & Gas, Cement and Paper. Some of our esteemed customers are NTPC, MPPGCL, Orrisa irrigation, KNNL, UP Irrigation, PHED Rajasthan, SAIL, Western coal fields, NALCO, NMDC, PRED Mysore, Megha Engineering & Infrastructure Limited etc. Our High-end IEC/IS design motor can cater various industrial application such as pump, fan, crusher, compressor, conveyors and Kiln etc.

Apart from India we are also catering international market. We supplied motors to Netherlands, South Africa, Australia, Turkey, Middle east, Philippines and SAARC countries.

2a. INTRODUCTION

The Requisition Form Software developed in VB.NET serves as a comprehensive solution tailored for Marathon Motors, providing a streamlined process for managing machinery requisitions. This software encompasses a user-friendly interface, featuring a welcoming home page that sets the tone for a seamless user experience. The incorporation of a secure login and sign-up page ensures access control, safeguarding sensitive information related to machinery requisitions.

The heart of the software lies in its sophisticated Requisition Form module, where users can input and manage intricate details regarding machinery requirements. From specifications to quantity, each requisition is meticulously recorded and stored in a robust database system. The utilization of VB.NET enhances the software's efficiency and functionality, offering a dynamic and responsive environment for users to interact with the requisition process.

This project not only showcases the technical prowess of VB.NET but also demonstrates its practical application in addressing real-world business needs. Marathon Motors can now benefit from an integrated software solution that not only facilitates a smoother requisition workflow but also ensures the security and accuracy of essential machinery data. As we delve into the details of this project report, we will explore the intricacies of the software development process, the technologies employed, and the overall impact of this innovative solution on Marathon Motors' operational efficiency.

2b. OBJECTIVE

1. Automation of Requisition Process: Develop a VB.NET-based software to automate and streamline the manual machinery requisition process at Marathon Motors, reducing paperwork and manual efforts.
2. Enhanced User Experience: Create a user-friendly interface with a welcome page, login, and sign-up features to ensure a positive and intuitive experience for users interacting with the requisition software.
3. Access Control and Security: Implement a secure login and sign-up system to control access to the requisition software, safeguarding sensitive information and ensuring data security.
4. Efficient Data Input: Design a requisition form module that allows users to input detailed information about machinery requisitions, including specifications, quantities, and other relevant details, ensuring accuracy and completeness of data.
5. Database Integration: Develop a robust database system to store and manage requisition data efficiently, providing a centralized repository for easy retrieval and analysis of machinery information.
6. Technology Advancement: Showcase the capabilities of VB.NET in developing a dynamic and responsive software solution, leveraging the latest technologies to enhance operational efficiency.
7. Practical Application: Demonstrate the practical application of the developed software in addressing Marathon Motors' specific business needs, contributing to improved workflow and overall organizational efficiency.
8. Documentation and Reporting: Generate detailed documentation outlining the software development process, technologies used, and provide comprehensive reporting features for analysis and decision-making.
9. User Training and Adoption: Facilitate user training sessions to ensure a smooth transition to the new requisition system, promoting user adoption and minimizing disruptions during the implementation phase.

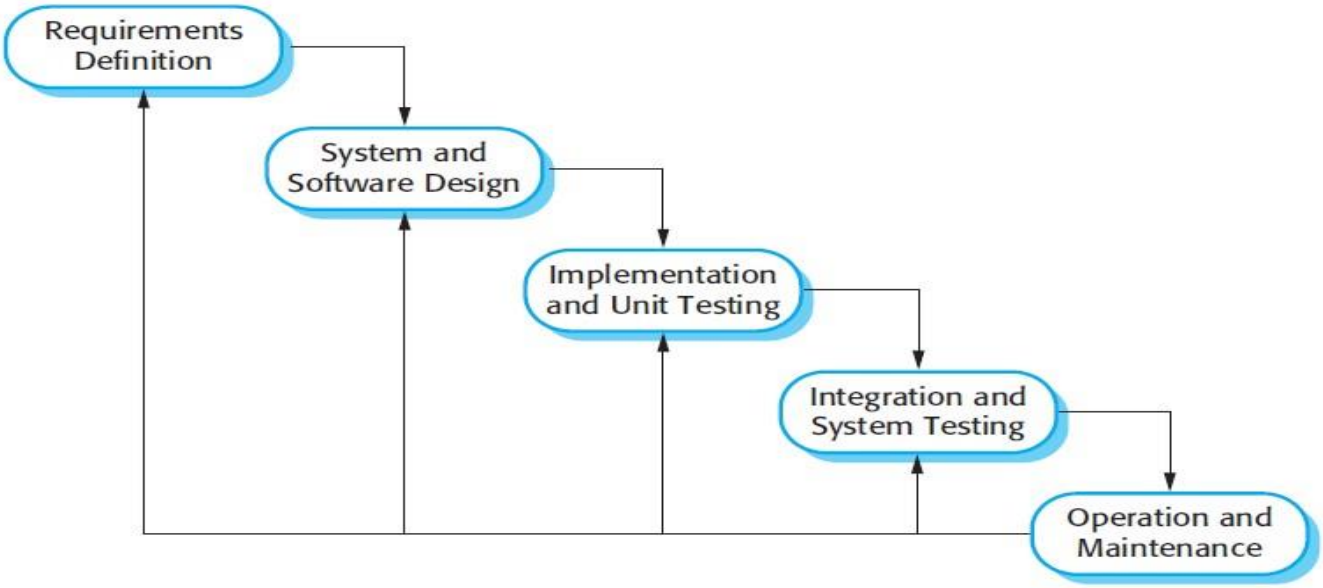
3a. WORK FLOW

This Document plays a vital role in the development life cycle (SDLC) as it describes the complete requirement of the system. It is meant for use by the developers and will be the basic during testing phase. Any changes made to the requirements in the future will have to go through formal change approval process.

The Waterfall Model was first Process Model to be introduced. It is also referred to as a linear-sequential life cycle model. It is very simple to understand and use. In a waterfall model, each phase must be completed before the next phase can begin and there is no overlapping in the phases. Waterfall model is the earliest SDLC approach that was used for software development .

The waterfall Model illustrates the software development process in a linear sequential flow; hence it is also referred to as a linear-sequential life cycle model. This means that any phase in the development process begins only if the previous phase is complete. In waterfall model phases do not overlap.

Waterfall approach was first SDLC Model to be used widely in Software Engineering to ensure success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases. In Waterfall model, typically, the outcome of one phase acts as the input for the next phase sequentially.
Following is a diagrammatic representation of different phases of waterfall model.



The sequential phases in Waterfall model are:

- **Requirement Gathering and analysis:** All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification doc.
- **System Design:** The requirement specifications from first phase are studied in this phase and system design is prepared. System Design helps in specifying hardware and system requirements and also helps in defining overall system architecture.
- **Implementation:** With inputs from system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality which is referred to as Unit Testing.
- **Integration and Testing:** All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.
- **Deployment of system:** Once the functional and non-functional testing is done, the product is deployed in the customer environment or released into the market.
- **Maintenance:** There are some issues which come up in the client environment. To fix those issues patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

All these phases are cascaded to each other in which progress is seen as flowing steadily downwards (like a waterfall) through the phases. The next phase is started only after the defined set of goals are achieved for previous phase and it is signed off, so the name "Waterfall Model". In this model phases do not overlap.

Waterfall Model Application

Every software developed is different and requires a suitable SDLC approach to be followed based on the internal and external factors. Some situations where the use of Waterfall model is most appropriate are:

- Requirements are very well documented, clear and fixed.
- Product definition is stable.

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- Technology is understood and is not dynamic.
- There are no ambiguous requirements.

- Ample resources with required expertise are available to support the product.
- The project is short.

The advantage of waterfall development is that it allows for departmentalization and control. A schedule can be set with deadlines for each stage of development and a product can proceed through the development process model phases one by one.

Development moves from concept, through design, implementation, testing, installation, troubleshooting, and ends up at operation and maintenance. Each phase of development proceeds in strict order.

3b. STUDY OF THE SYSTEM

Modules:

1. Welcome Page:

- Display a welcome message and introduction to the Requisition Form Software upon launch.
- Include navigation buttons providing access to other modules: Login Page, Requisition Form, and Exit.
- Users can choose a specific module by clicking on the corresponding button.

2. Login Page:
- Users access the Login Page by clicking the "Login" button on the Welcome Page.
- Enter valid credentials (username and password) to log in.
- Successful login redirects users to the Requisition Form module.

3. Requisition Form:
- Users access the Requisition Form by clicking the "Requisition Form" button on the Welcome Page or upon successful login.
- Fill in the required details of the machinery requisition, including specifications, quantities, and other relevant information.
- Upon submission, the data is validated and stored in the database.

4. Report Page:
- Clicking the "Report Page" button on the Welcome Page directs users to a summary of requisitions.
- The Report Page displays a list of previous requisitions with details such as requisition ID, date, and machinery information.

3c. INPUT AND OUTPUT

The main inputs, outputs and the major function the details are :

INPUT

- User can login using the same user-id and password which they are used in sign-in.
- Display a welcome message and introduction to the Requisition Form, Report, Exit.
- User can purchase from the Requisition form.

OUTPUT

- User can see his/her Requisition Details to put his/her Requisition number.
- User can view the details of the product.
- User can also see his/her report.

3d. SOFTWARE REQUIREMENT SPECIFICATIONS

Software Requirements Specification provides an overview of the entire project. It is a description of a software system to be developed, laying out functional and non-functional requirements. The software requirements specification document enlists enough and necessary requirements that are required for the project development. To derive the requirements, we need to have clear and thorough understanding of the project to be developed. This is prepared after the detailed communication with project team and the customer.

The developer is responsible for:-

- ✓ Developing the system, which meets the SRS and solving all the requirements of the system?
- ✓ Demonstrating the system and installing the system at client's location after acceptance testing is successful.
- ✓ Submitting the required user manual describing the system interfaces to work on it and also the documents of the system.
- ✓ Conducting any user training that might be needed for using the system.
- ✓ Maintain the system for a period of one year after installation.

HARDWARE REQUIREMENTS:

- Computer that has a 1.6GHz or faster processor
- 1 GB (32 Bit) or 2 GB (64 Bit) RAM (Add 512 MB if running in a virtual machine)
- HDD 20 GB Hard Disk Space and Above Hardware Requirements
- 5400 RPM hard disk drive
- DVD-ROM Drive

SOFTWARE REQUIREMENTS:

- WINDOWS OS (7/10/11)
- Visual Studio 2017
- Microsoft Office Access 2007

4a. DATABASE DESIGN

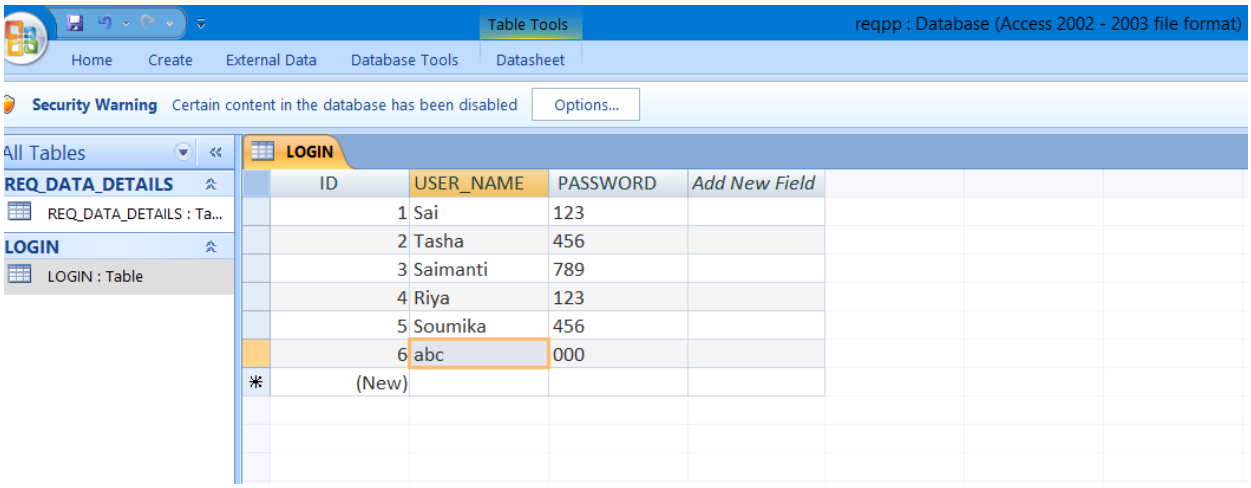
A database is an organized mechanism that has capability of storing information through which a user can retrieve stored information in an effective and efficient manner. The data is the purpose of any database and must be protected.

The database design is two level processes. In the first step, user requirements are gathered together and a database is designed which will meet these requirements as clearly as possible. This step is called information Level design and it is taken independent of any individual DBMS.

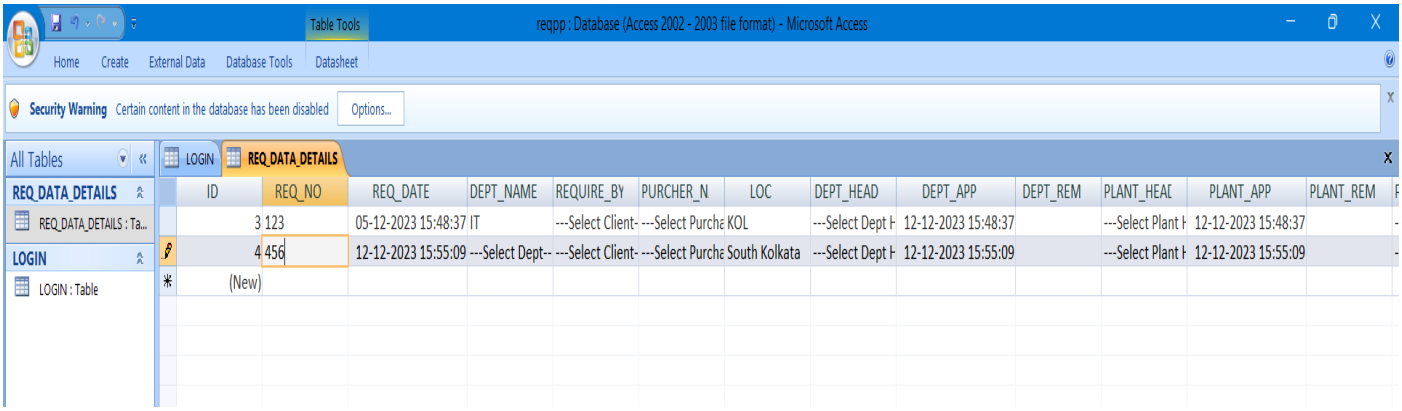
In the following snapshots we display the way we have used SQL Server as the back-end RDBMS for our project and the various entities that have been used along with their table definition and table data.

DATA DICTIONARY

1. User Data:



2. Requisition Form Data:



5a. USER INTERFACE DESIGN

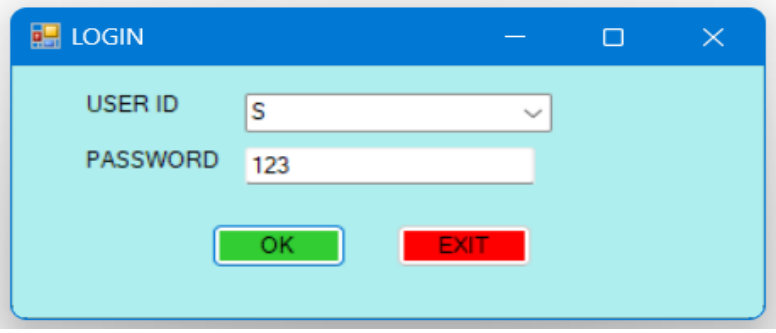
User interface design (UID) or **user interface engineering** is the design of user interfaces for machines and software, such as computers, home appliances, mobile devices, and other electronic devices, with the focus on maximizing the user experience. The goal of user interface design is to make the user's interaction as simple and efficient as possible, in terms of accomplishing user goals (user entered).

Good user interface design facilitates finishing the task at hand without drawing unnecessary attention to it. Graphic design and typography are utilized to support its usability, influencing how the user performs certain interactions and improving the aesthetic appeal of the design; design aesthetics may enhance or detract from the ability of users to use the functions of the interface. The design process must balance technical functionality and visual elements (e.g., mental model) to create a system that is not only operational but also usable and adaptable to changing user needs.

Interface design is involved in a wide range of projects from computer systems, to cars, to commercial planes; all of these projects involve much of the same basic human interactions yet also require some unique skills and knowledge. As a result, designers tend to specialize in certain types of projects and have skills cantered on their expertise, whether that be software design, user research, web design, or industrial design.

FRONTEND

Login Page



Login Page Code

```
Public Class Frmlogin
    Private Sub CMDOK_Click(sender As Object, e As EventArgs)
Handles CMDOK.Click
        Dim RS As New ADODB.Recordset
        RS.Open("SELECT * FROM LOGIN where USER_NAME='" &
Trim(cmbusername.Text) & "'", cnMainData,
ADODB.CursorTypeEnum.adOpenKeyset,
ADODB.LockTypeEnum.adLockBatchOptimistic)
        If rs.RecordCount = 0 Then
            rs.Close()
            MsgBox("Record Not Found", MsgBoxStyle.Information)
        Else
            If RS.Fields("PASSWORD").Value = TXTpassword.Text
Then
                FrmWelcome.Show()
            Else
                MsgBox("Password Mismatch",
MsgBoxStyle.Information)
            End If
            rs.Close()
        End If
    End Sub

    Private Sub CMDEXIT_Click(sender As Object, e As EventArgs)
Handles CMDEXIT.Click
        End
    End Sub
```

```
    Private Sub Frmlogin_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        If cnMainData.State = 0 Then Module1.connect()
    End Sub
End Class
```

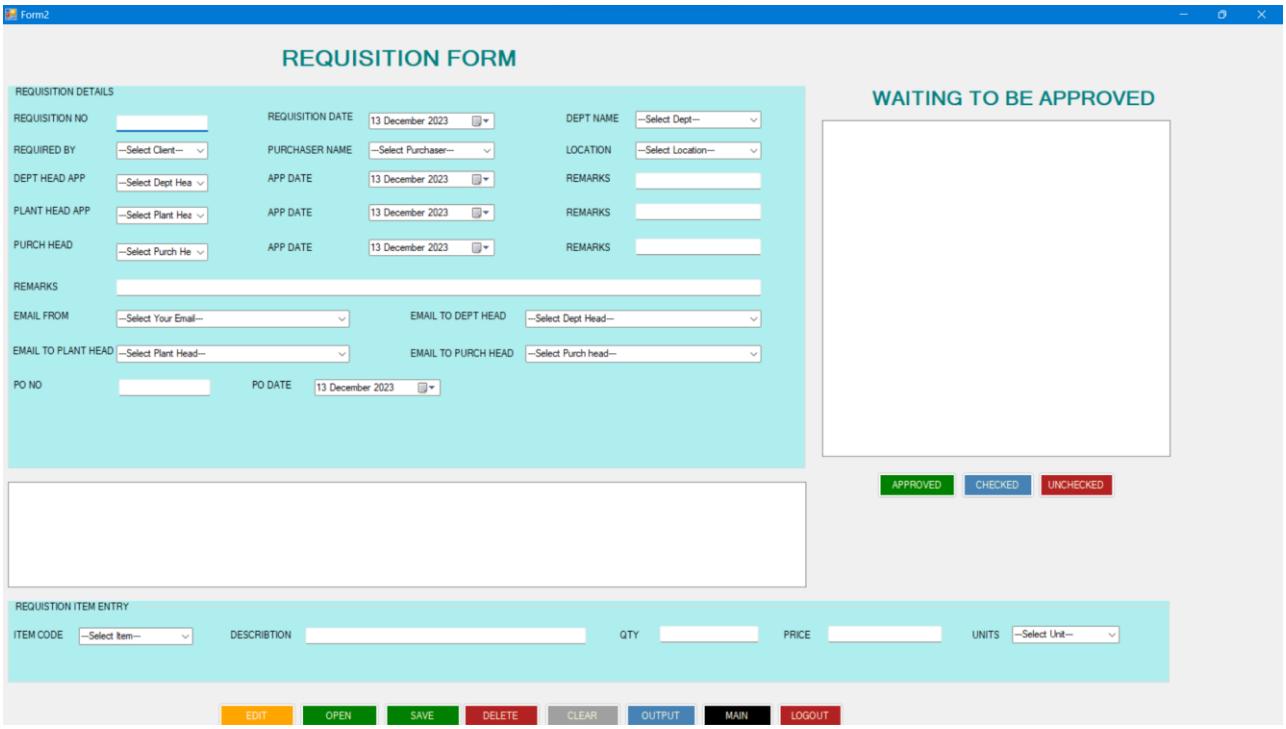
Welcome Page

Welcome Page Code

```
Public Class FrmWelcome
    Private Sub CMDREQ_Click(sender As Object, e As EventArgs)
Handles CMDREQ.Click
        FrmReq.Show()
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs)
Handles Button1.Click
        End
    End Sub
```

```
    Private Sub FrmWelcome_Load(sender As Object, e As
EventArgs) Handles MyBase.Load

    End Sub
End Class
```

Requisition Form Page



Requisition Form Page Code

```
   Public Class FrmReq


Private Sub CMDCLEAR_Click(sender As Object, e As EventArgs) Handles CMDCLEAR.Click
    TXTREQNO.Text = ""
    DTPREQDATE.Value = Today
    CMBDEPTNAME.Text = "---Select Dept---"


    CMBREQ.Text = "---Select Client---"
    CMBPUR.Text = "---Select Purchaser---"
    CMBLOC.Text = "---Select Location---"


    CMBDEPTAPP.Text = "---Select Dept Head---"
```

```
        DTPAPPDATE1.Value = Today
        TXTREM1.Text = ""

        CMBPLANTAPP.Text = "---Select Plant Head---"
        DTPAPPDATE2.Value = Today
        TXTREM2.Text = ""

        CMBPURCHHEAD.Text = "---Select Purch Head---"
        DTPAPPDATE3.Value = Today
        TXTREM3.Text = ""

        TXTREM4.Text = ""

        CMBEMAIL.Text = "---Select Your Email---"
        CMBDEPTHEAD.Text = "---Select Dept Head---"

        CMBPLANTHEAD.Text = "---Select Plant Head---"
        CMBPURHEAD.Text = "---Select Purch head---"

        TXTPONO.Text = ""
        DTPPODATE.Value = Today

        CMBITEMCODE.Text = "---Select Item---"
        TXTDES.Text = ""
        TXTQTY.Text = ""
        TXTPRICE.Text = ""
        CMBUNITS.Text = "---Select Unit---"
    End Sub

    Private Sub CMDSAVE_Click(sender As Object, e As EventArgs) Handles CMDSAVE.Click
        Dim RS As New ADODB.Recordset
        Dim RS1 As New ADODB.Recordset
        If Trim(TXTREQNO.Text) = "" Then
            MsgBox("ENTRY JOB NO ", MsgBoxStyle.Information)
            TXTREQNO.Focus()
            Exit Sub
        Else
```

```
        End If

        'if new project then

        RS1.Open("SELECT *FROM REQ_DATA_DETAILS where REQ_NO='" & Trim(TXTREQNO.Text) & "'",
cnMainData, ADODB.CursorTypeEnum.adOpenKeyset, ADODB.LockTypeEnum.adLockBatchOptimistic)

        If RS1.RecordCount = 0 Then

            RS.Open("SELECT *FROM REQ_DATA_DETAILS", cnMainData, ADODB.CursorTypeEnum.adOpenKeyset,
ADODB.LockTypeEnum.adLockBatchOptimistic)

            With RS

                .AddNew()

                'RS.Fields("ID_NO").value = Val(TXTIDNO.Text)

                RS.Fields("REQ_NO").Value = Trim(TXTREQNO.Text)

                RS.Fields("REQ_DATE").Value = Trim(DTPREQDATE.Value)

                RS.Fields("DEPT_NAME").Value = Trim(CMBDEPTNAME.Text)


                RS.Fields("REQUIRE_BY").Value = Trim(CMBREQ.Text)

                RS.Fields("PURCHER_NAME").Value = Trim(CMBPUR.Text)

                RS.Fields("LOC").Value = Trim(CMBLOC.Text)


                RS.Fields("DEPT_HEAD").Value = Trim(CMBDEPTAPP.Text)

                RS.Fields("DEPT_APP").Value = Trim(DTPAPPDATE1.Value)

                RS.Fields("DEPT_REM").Value = Trim(TXTREM1.Text)


                RS.Fields("PLANT_HEAD").Value = Trim(CMBPLANTAPP.Text)

                RS.Fields("PLANT_APP").Value = Trim(DTPAPPDATE2.Value)

                RS.Fields("PLANT_REM").Value = Trim(TXTREM2.Text)


                RS.Fields("PURCH_HEAD").Value = Trim(CMBPURCHHEAD.Text)

                RS.Fields("PURCH_APP").Value = Trim(DTPAPPDATE3.Value)

                RS.Fields("PURCH_REM").Value = Trim(TXTREM3.Text)


                RS.Fields("REMARKS").Value = Trim(TXTREM4.Text)


                RS.Fields("EMAIL").Value = Trim(CMBEMAIL.Text)

                RS.Fields("EMAIL_DEPT_HEAD").Value = Trim(CMBDEPTHEAD.Text)


                RS.Fields("EMAIL_PLANT_HEAD").Value = Trim(CMBPLANTHEAD.Text)

                RS.Fields("EMAIL_PURCH_HEAD").Value = Trim(CMBPURHEAD.Text)
```

```
                RS.Fields("PO_NO").Value = Trim(TXTPONO.Text)
                RS.Fields("PO_DATE").Value = Trim(DTPPODATE.Value)

                RS.Fields("ITEM_CODE").Value = Trim(CMBITEMCODE.Text)
                RS.Fields("DESCRIBTION").Value = Trim(TXTDES.Text)
                RS.Fields("QTY").Value = Val(TXTQTY.Text)
                RS.Fields("PRICE").Value = Val(TXTPRICE.Text)
                RS.Fields("UNITS").Value = Trim(CMBUNITS.Text)
                .UpdateBatch()
            End With
            RS.Close()
            MsgBox("DATA IS SAVED", MsgBoxStyle.Information)

        Else
        End If
        RS1.Close()


    End Sub

    Private Sub FrmReq_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        If cnMainData.State = 0 Then Module1.connect()

    End Sub

    Private Sub CMDOPEN_Click(sender As Object, e As EventArgs) Handles CMDOPEN.Click
        Dim rs As New ADODB.Recordset
        rs.Open("SELECT *FROM REQ_DATA_DETAILS where REQ_NO='" & Trim(TXTREQNO.Text) & "'",
cnMainData, ADODB.CursorTypeEnum.adOpenKeyset, ADODB.LockTypeEnum.adLockBatchOptimistic)
        If rs.RecordCount = 0 Then
            rs.Close()
            MsgBox("Record Not Found", MsgBoxStyle.Information)
        Else
            DTPREQDATE.Value = rs.Fields("REQ_DATE").Value
            CMBDEPTNAME.Text = Trim(rs.Fields("DEPT_NAME").Value)
```

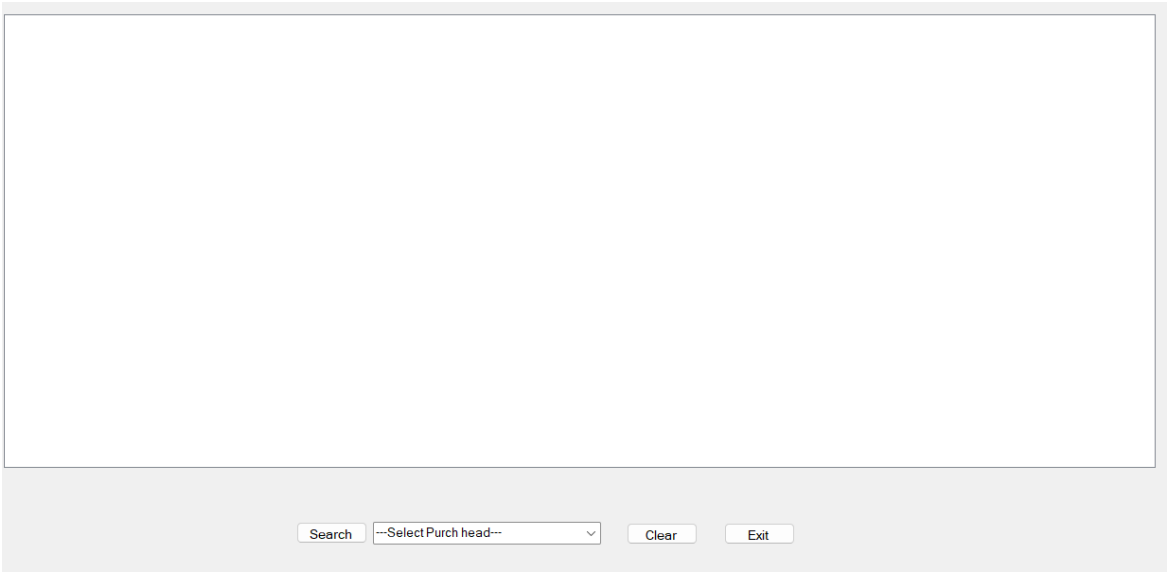
```
        CMBREQ.Text = Trim(rs.Fields("REQUIRE_BY").Value)
        CMBPUR.Text = Trim(rs.Fields("PURCHER_NAME").Value)
        CMBLOC.Text = Trim(rs.Fields("LOC").Value)

        CMBDEPTAPP.Text = Trim(rs.Fields("DEPT_HEAD").Value)
        DTPAPPDATE1.Value = rs.Fields("DEPT_APP").Value
        TXTREM1.Text = Trim(rs.Fields("DEPT_REM").Value)

        CMBPLANTAPP.Text = Trim(rs.Fields("PLANT_HEAD").Value)
        DTPAPPDATE2.Value = rs.Fields("PLANT_APP").Value
        TXTREM2.Text = Trim(rs.Fields("PLANT_REM").Value)

        CMBPURCHHEAD.Text = Trim(rs.Fields("PURCH_HEAD").Value)
        DTPAPPDATE3.Value = rs.Fields("PURCH_APP").Value
        TXTREM3.Text = Trim(rs.Fields("PURCH_REM").Value)

        TXTREM4.Text = Trim(rs.Fields("REMARKS").Value)

        CMBEMAIL.Text = Trim(rs.Fields("EMAIL").Value)
        CMBDEPTHEAD.Text = Trim(rs.Fields("EMAIL_DEPT_HEAD").Value)

        CMBPLANTHEAD.Text = Trim(rs.Fields("EMAIL_PLANT_HEAD").Value)
        CMBPURHEAD.Text = Trim(rs.Fields("EMAIL_PURCH_HEAD").Value)

        TXTPONO.Text = Trim(rs.Fields("PO_NO").Value)
        DTPPODATE.Value = rs.Fields("PO_DATE").Value

        CMBITEMCODE.Text = Trim(rs.Fields("ITEM_CODE").Value)
        TXTDES.Text = Trim(rs.Fields("DESCRIBTION").Value)

        TXTQTY.Text = Val(rs.Fields("QTY").Value)
        TXTPRICE.Text = Val(rs.Fields("PRICE").Value)
        CMBUNITS.Text = Trim(rs.Fields("UNITS").Value)
        rs.Close()
    End If

End Sub
```

```
    Private Sub CMDMAIN_Click(sender As Object, e As EventArgs) Handles CMDMAIN.Click
        FrmWelcome.Show()
        Me.Close()

    End Sub

    Private Sub CMDLOGOUT_Click(sender As Object, e As EventArgs) Handles CMDLOGOUT.Click
        End
    End Sub

    Private Sub CMDEDIT_Click(sender As Object, e As EventArgs) Handles CMDEDIT.Click
        Dim RS As New ADODB.Recordset
        Dim RS1 As New ADODB.Recordset
        RS1.Open("SELECT *FROM REQ_DATA_DETAILS where REQ_NO='" & Trim(TXTREQNO.Text) & "'",
cnMainData, ADODB.CursorTypeEnum.adOpenKeyset, ADODB.LockTypeEnum.adLockBatchOptimistic)
        If RS1.RecordCount = 0 Then

        Else
            RS.Open("SELECT *FROM REQ_DATA_DETAILS where REQ_NO='" & Trim(TXTREQNO.Text) & "'",
cnMainData, ADODB.CursorTypeEnum.adOpenKeyset, ADODB.LockTypeEnum.adLockBatchOptimistic)
            With RS
                .Update()
                'RS.Fields("ID_NO").value = Val(TXTIDNO.Text)
                RS.Fields("REQ_NO").Value = Trim(TXTREQNO.Text)
                RS.Fields("REQ_DATE").Value = Trim(DTPREQDATE.Value)
                RS.Fields("DEPT_NAME").Value = Trim(CMBDEPTNAME.Text)

                RS.Fields("REQUIRE_BY").Value = Trim(CMBREQ.Text)
                RS.Fields("PURCHER_NAME").Value = Trim(CMBPUR.Text)
                RS.Fields("LOC").Value = Trim(CMBLOC.Text)

                RS.Fields("DEPT_HEAD").Value = Trim(CMBDEPTAPP.Text)
                RS.Fields("DEPT_APP").Value = Trim(DTPAPPDATE1.Value)
                RS.Fields("DEPT_REM").Value = Trim(TXTREM1.Text)

                RS.Fields("PLANT_HEAD").Value = Trim(CMBPLANTAPP.Text)
```

```
            RS.Fields("PLANT_APP").Value = Trim(DTPAPPDATE2.Value)
            RS.Fields("PLANT_REM").Value = Trim(TXTREM2.Text)

            RS.Fields("PURCH_HEAD").Value = Trim(CMBPURCHHEAD.Text)
            RS.Fields("PURCH_APP").Value = Trim(DTPAPPDATE3.Value)
            RS.Fields("PURCH_REM").Value = Trim(TXTREM3.Text)

            RS.Fields("REMARKS").Value = Trim(TXTREM4.Text)

            RS.Fields("EMAIL").Value = Trim(CMBEMAIL.Text)
            RS.Fields("EMAIL_DEPT_HEAD").Value = Trim(CMBDEPTHEAD.Text)

            RS.Fields("EMAIL_PLANT_HEAD").Value = Trim(CMBPLANTHEAD.Text)
            RS.Fields("EMAIL_PURCH_HEAD").Value = Trim(CMBPURHEAD.Text)

            RS.Fields("PO_NO").Value = Trim(TXTPONO.Text)
            RS.Fields("PO_DATE").Value = Trim(DTPPODATE.Value)

            RS.Fields("ITEM_CODE").Value = Trim(CMBITEMCODE.Text)
            RS.Fields("DESCRIBTION").Value = Trim(TXTDES.Text)
            RS.Fields("QTY").Value = Val(TXTQTY.Text)
            RS.Fields("PRICE").Value = Val(TXTPRICE.Text)
            RS.Fields("UNITS").Value = Trim(CMBUNITS.Text)
            .UpdateBatch()
        End With
        RS.Close()
        MsgBox("DATA IS UPDATED", MsgBoxStyle.Information)
    End If
    RS1.CLOSE

End Sub

Private Sub CMDDEL_Click(sender As Object, e As EventArgs) Handles CMDDEL.Click
    Dim ANS As String
    Dim rs As New ADODB.Recordset
    ANS = MsgBox("DO YOU WANT TO DELETE THIS DATA?", MsgBoxStyle.Question + MsgBoxStyle.YesNo)
```

```
        rs.Open("SELECT *FROM REQ_DATA_DETAILS where REQ_NO='" & Trim(TXTREQNO.Text) & "'",
cnMainData, ADODB.CursorTypeEnum.adOpenKeyset, ADODB.LockTypeEnum.adLockBatchOptimistic)

        If rs.RecordCount = 0 Then

            rs.Close()

            MsgBox("Record Not Found", MsgBoxStyle.Information)


        Else

            cnMainData.Execute("DELETE * FROM REQ_DATA_DETAILS WHERE REQ_NO='" & Trim(TXTREQNO.Text)
& "'")

            rs.Close()

        End If

    End Sub


    Private Sub Label1_Click(sender As Object, e As EventArgs) Handles Label1.Click


    End Sub


    Private Sub GRPREQDET_Enter(sender As Object, e As EventArgs) Handles GRPREQDET.Enter


    End Sub

End Class
```

Report Page



Report Page Code

```
Public Class Form2
    Private Sub Form2_Load(sender As Object, e As EventArgs)
Handles MyBase.Load

    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs)
Handles Button2.Click

    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs)
Handles Button1.Click

    End Sub

    Private Sub ListView1_SelectedIndexChanged(sender As
Object, e As EventArgs) Handles ListView1.SelectedIndexChanged

    End Sub
    End Class
```

6.a DATABASE SECURITY

System security measure is meant to be provided to make your system reliable and secured from unauthorized user may create threats to the system. So, you should follow some security measures. We have used security levels in database level at system level.

6.b SYSTEM SECURITY

If we talk about the system security in our proposed system we have implemented with the help of maintain the session throughout the system's use. Once a user has logged out than he/she will not be able to perform any task before signing back again.

A high level of authentic login is given to the system so this is a very tedious task to enter without authorization and authentication.

6c. LIMITATIONS

- ✓ Since it is an online project, customers need internet connection to use it.
- ✓ People who are not familiar with computers can't use this software.
- ✓ Customer must have debit card or credit card to purchase a product.

7a. CONCLUSION

This project has been appreciated by all the users in the organization. It is easy to use, since it uses the GUI provided in the user dialog. User friendly screens are provided. The usage of software increases the efficiency, decreases the effort. It has been efficiently employed as a Site management mechanism. It has been thoroughly tested and implemented.

7b. FURTHER ENHANCEMENTS

In future we would like to keep working on this project and make new additions to provide users with more advanced features and more detailed information. We have set our sights on the following additions in future:-

1. Forget Password for admin and user
2. Customer Experience
3. Mobile Friendliness
4. The transformation from image recognition to product recognition.
5. A high degree of individualization in all aspects.
6. Online payment process through debit and credit cards.
7. Auto-mail will be sent to the user email-id when they are purchased some products.

8. BIBLIOGRAPHY

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