**STAR PIMS**

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Installation Instructions

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# Program Installation and Setup

## Program Prerequisites

Before installing STAR PIMS, ensure the following software is installed:

1. Visual Studio (Latest version)
2. .NET Framework (Latest version compatible with your project)
3. SQL Server Express (For database management)
4. SQL Server Management Studio (SSMS) (For running queries)
5. Windows OS (Recommended for compatibility)

## Installation Instructions

### Installation of Visual Studio

1. Download and install Visual Studio. Visit <https://visualstudio.microsoft.com/> to download program.
   1. During installation ensure the following are installed/selected:
      1. .NET Desktop Development
      2. Windows Forms App(.NET Framework)
2. Complete program installation and restart PC if necessary

### SQL Server Express Installation and Configuration

1. Download SQL Server Express. Visit <https://go.microsoft.com/fwlink/p/?linkid=2216019&clcid=0x409&culture=en-us&country=us> to download the program.
2. Run the installer and select:
   1. Basic Installation (recommended)
   2. Accept terms and conditions, begin installation
3. Once Installed, launch SQL Server Configuration Manager
4. Under SQL Server Services ensure that the following are running:
   1. SQL server (SQLEXPRESS)
5. Open SSMS and connect to:

|  |
| --- |
| Server Name: .\SQLEXPRESS Authentication: Windows Authentication |

#### Restore Database

STAR PIMS can either be restored or imported. To restore the database follow these instructions:

1. Open SSMS and connect to SQL server ( .\SQLEXPRESS ).
2. Click Database, right click, and restore database
3. Select Device and choose the exported file (.back)
4. Click OK and wait for the database to be restored

#### Import Database

To import the database, follow these instructions:

1. Open SSMS and create a new Query
2. Open the exported SQL Script (.SQL) file
3. Click Execute

## Loading the project in Visual Studio

1. Open Visual Studio
   1. Click File; Open Project/Solution
   2. Select the program folder
   3. Open the App.config file and update the connection string to:

|  |
| --- |
| <connectionStrings>  <add name="PIMSConnection" connectionString="Server=.\SQLEXPRESS\_NEW;Database=HMS\_PIMS;Trusted\_Connection=True;" />  </connectionStrings> |

1. Save Changes

### Build and run application

1. Click Build; Build solution (Ctrl + Shift + B)
2. Start the application by pressing F5
3. Ensure application launches, wait for loading screen

If any errors occur during installation or running, please follow the following instructions:

* Open SQL server configuration manager and ensure that the SQLEXPRESS server is running
* Check if firewall settings allow SQL Server Connections
* Verify the connection string in App.config