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Description automatically generated

New Reporting Tool Implementation Using Python Streamlit

ICM Computer Systems Limited – VER 20240918

I7DW: new Reporting Tool Implementation Using Python Streamlit

ICM COMPUTER SYSTEMS LIMITED

2024

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**Project Plan**: Transition from SSRS to Python Streamlit Reporting System

**Project Overview:**

The Infeed700 application is an interactive platform developed by ICMC Solutions using Streamlit. It provides dashboards and SSRS (SQL Server Reporting Services) reports, allowing users to access and visualize data efficiently in an on-premises environment. This application is designed to serve multiple clients, offering a user-friendly and responsive interface.

**Features**

Interactive Dashboards: Visualize real-time data with interactive charts and tables.

Embedded SSRS Reports: Access SSRS reports directly within the application.

On-Premises Deployment: Ideal for clients who prefer to keep their data within their own infrastructure.

Intuitive Interface: With a simple navigation system, users can easily access different sections of the application.

**Project Structure**

The directory structure of the application is organized as follows:

Infeed700/

│

├── images/ # Directory for images and icons

│ ├── home.svg # SVG icon for the sidebar

│ └── (other images and icons)

│

├── LeftMenu/ # Directory for left menu-related files

│ ├── leftMenu.py # Contains the logic for the left menu

│ ├── expanderStyle.css # Custom styles for the left menu

│

├── styles.py # Custom styles for the menu

│

├── main.py # Main entry point for the Streamlit application

│

├── config.toml # Configuration settings for the Streamlit application

│

├── requirements.txt # List of dependencies for the application

│

├── setup.bat # Batch file for setting up the environment

│

└── .streamlit/

└── secrets.toml # Secrets for database connection

# 17 Planner