MANGEMENT SYSTEM REQUIREMENTS

INTRODUCTION

The requirements file is designed to elaborate work and personnel management.

This document can be used as a framework structure for development and implementation of required software.

DISCLAIMER

The initial framework contains sampling workflow only. Any upfront change could be possible.

All terms are expressed from the technical point of view of the user. Developer may proceed with programming terms with discussion.

OVERVIEW

A testing and development service for clients is looking for a solution that could automate the workflow and is run through cloud.

WORKFLOW. *Testing request (NWRT00001)* is received from *customer (CSTR00008)* through *communication channel (CHNL00003). Customer sales representative (User2)* accepts the request and enters data in Inquiry form (INQF00003) from his *login (User3_login).* This request *(NWRT00001)* is then automatically transferred to *respective lab representative (User5)* based on *testing requirement (RQRT00007)* entered by *(User2).* After completing the testing, *(User5)* enters the results in *(INQF00003)* and test report *(RPRT00001)* is generated in the format *(FRMT00001). User2* gets a notification of completion, reviews the report *(accepted/rejected)* and forwards it to *(CSTR00008).*

Table of proposed coding systems.

Code (9-characters)	Description	Required Details	Function
User1	Admin	Admin	Administrative role
User2	Customer Sales Representative	CSR	Customer requirements Report Sharing Invoice Follow-up
User3	Representator of Laboratory Lab Engineer	-	Request Management
STND00001	Standard for testing	ISO/CE etc	To elaborate testing as well as generate RQRT00001
SFTW00001	Software Identification	As document	Performing Test
RQRT00001	Testing Requirement according to standard. A single NWRT00001 can have multiple RQRT00001	Document available in the system to view testing requirements. Will be selected from dropdown	Accurate Testing Protocol
RPRT00001	Report number (unique) is generated against NWRT00001	NWRT00001 CSTR00001 INQF00001 (multiple) pdf document to share with customer	Workflow management
PRFL00001	Personnel Profile. Will be displayed as dropdown in User3	As document	Data Management
NWRT00001	New Work Request Testing. A unique ID against each work requirement	CSTR00001 RQRT00001 INQF00001 generation	Workflow management
NWRD00001	New Work Request Development. A unique ID against each work requirement	CSTR00001 RQRT00001 INQF00001 generation	Workflow management

MTRL00001	Material	Availability Consumption per Test Linked to inquiry	Inventory Management
INVO00001	Invoice (unique) generated against NWRT00001	CSTR00001 NWRT00001 pdf document	
INQF00001	Inquiry form (unique) generated against NWRT00001. A single NWRT00001 can have multiple INQF00001	-	Dependent on NWRT00001 and RQRT00001
EQMT00001	Equipment Identification	As document	Performing Test
CSTR00001	Customer Number 00001.	Customer Complete Details	Manual Input
CMCL00001	Chemical Identification	As document	Performing Test
CHNL00001	Channel of Communication	e.g. Phone call	Manual Input
ASET00001	Asset Identification	As document	Performing Test

User Roles

User1-Admin

- Have complete access to all system and user accounts.
- Will be able to *edit RPRT00001* and mark it as invalid even issued. Recall/initiate NC.
- Edit RQRT00001
- Edit SFTW00001
- Edit EQMT00001
- Edit ASET00001

User2-CSR

- Edit customer details
- Review RPRT00001

- Accept/Reject RPRT00001
- Generate NWRT/NWRD00001
- Select CHNL00001
- Select RQRT00001

User3-Lab Engineer

- Assign PRFL00001
- View/Update INQF00001
- View RQRT00001
- View SFTW00001
- View EQMT00001
- View ASET00001

Documents Format

Dynamic Documents

- INVO00001-Invoice

    Logo   Name Date

    Invoice Number [INVO00001]

    Date [TODAY]

    Customer Detail [CSTR00001]

    Description [NWRT00001] or [NWRD00001]

    Quantity [Number]

    Price [Unit]

    Price [Total]

    Payment Terms [CSTR00001]

    Bank Details [PRFL00001]

- Testing Report

    Logo   Name Date

    Invoice Number [INVO00001]

    Date [TODAY]

    Customer Detail [CSTR00001]

    Description [NWRT00001] or [NWRD00001]

    Report Number [RPRT00001]

    Report Details [RPRT00001]

    Standard [RPRT00001]

Remarks [PRFL00001]

Foot Note [PRFL00001]

Static Documents

- Asset Description [ASET00001]
- Chemical Identification [CMCL00001]
- Customer Profile [CSTMR00001]
- Equipment Description [EQMT00001]
- Material Identification [MTRL00001]
- Profile Company/Personnel [PRFL00001]
- Software Identification [SFTW00001]
- Standard for Test [STND00001]

Reports

- As per requirement/customizable at *User01*