INTERNSHIP PRESENTATION

2022/2023

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INTRODUCTION

<div style="background: linear-gradient(to right, orange, purple);">QUALITY CONTROL (QC)</div>

A system of maintaining standards in manufactured products by testing a sample of the output against the specification.

The advantageous are:

- Increase customer loyalty
- Reduce liability risks

WHAT IS SMART QC?

- A revolutionary solution that automates the entire quality assurance and control activities. It is action-driven and focuses on prevention.

- SMART QC will streamline and automate the quality control process, starting with auto data capturing from various testing devices and alerts to trigger preventive actions. Big data analysis, enables management to have full control of production processes.

TASKS AND RESPONSIBILITIES

Let's move on to the assessments

CONTINUE

System Name :	Smart QC
Testing Scope :	AME
Tester Name :	Nazreen

No	Case No/Description
1	CASE 1
2	CASE 2
3	CASE 3
4	CASE 4
5	CASE 5
6	
7	
8	
9	
10	

blueocean™
data solutions

Blue Ocean Data Solutions Sd
Software Test Case

System Name :	Smart QC
Testing Scope :	LEE HENG
Tester Name :	Alia/Nazreen

B A T C H 1 (SQUARE MONITOR)

No	Case No/Description	Part/Section	Item	Input Data/Test Scenario
	1	Dashboard	SPC Alert	After click to view IMR Chart for CSID 22, SPC Alert not showing
	2	Inspection Listing	Export	After exporting the inspection report, the data for sample 3 is not showing.
	3	Inspection Listing	Export	After exporting the inspection for sample data 1 and 3 only, the sample for data 3 is switched to data sample 2.
	4	Check Item Spec	Tools	After opening the check item spec tab, the value of tools is not from the selection list.
	5	Check Item Spec	Channel	After clicking the Start button, the system throws in the exception for not selecting the channel.
	6	Inspection Plan Maintenance	Check Item No	After using the sorting feature, the Check Item No are sorted in wrong order.
	7	Inspection Plan Maintenance	Import	After importing the data from Wan Mei's inspection plan, the USL is lower than target based on the user's inspection plan
	8	Inspection Listing	Export	After export inspection INSP ID 10027 and select export data only data 1 and data 5.

Select Export Data ✕

Select	Data	Judgement
☑	Data 1	NC
☐	Data 2	NC
☐	Data 3	AC
☐	Data 4	AC
☑	Data 5	AC

🗷 Export

Test Plan | CASE 1 | CASE 2 | CASE 3 | CASE 4 | CASE 5 | CASE 6 | CASE 7 | CASE 8 ⊕

ISSUES HANDLING

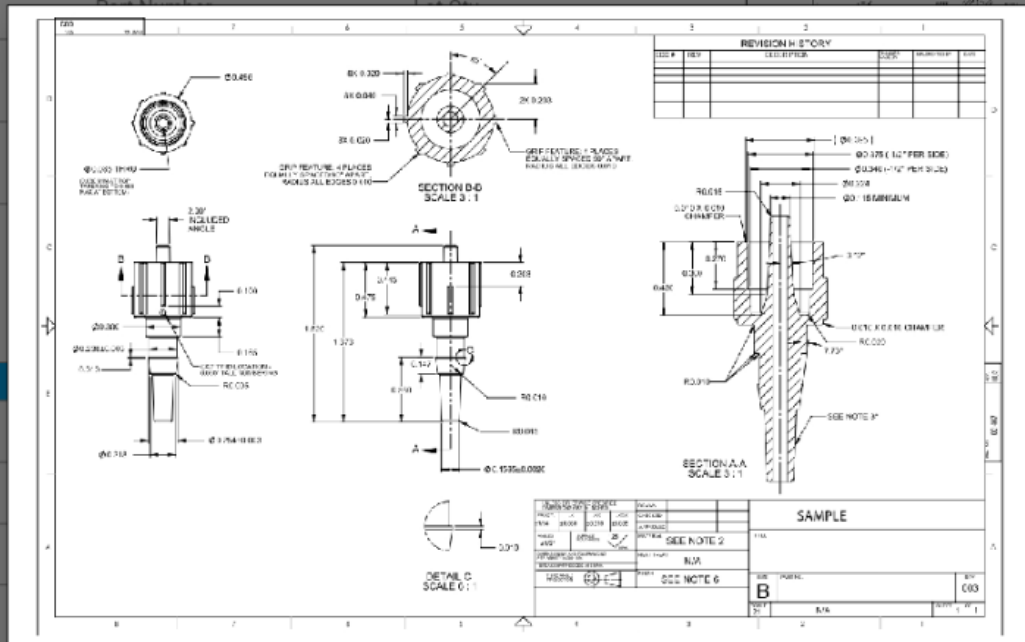|	A	B	C	D
1	**Module**	**Function/Feature**	**Status**	**Last Updated**
2	Database	Connect to MSSQL server through Web Service	IN-PROGRESS	1/9/2022
3	Login	Designing Login Interface	READY	16/8/2022
4		User Login Verification	NOT DONE	
5		Load User Info in Appbar	NOT DONE	
6		User Access Control (NEW / CONTINUE / MODIFY)	NOT DONE	
7	Inspection Sheet (N)	Designing Interface	READY	22/8/2022
8		Load Inspection Plan (based on latest revision)	NOT DONE	
9		Load all method*	NOT DONE	
10		Load image in picture box	NOT DONE	
11		Load PDF drawing in picture box	NOT DONE	
12		Enlarge picture box	NOT DONE	
13		Load Check Item based on CSID	NOT DONE	
14		Retrieve check sheet data based on CSID from previous page	NOT DONE	
15		Retrieve check item data	NOT DONE	
16		Zoom PDF when click Ballooning No datacell	KIV	
17		Reset font (Y14) for required column	NOT DONE	
18		Load picture when click Image and WI column	NOT DONE	
19		[start btn] Add column Data 'x' based on Sample Size count*	READY	22/8/2022
20		[start btn] Filter check item based on Method selected by user	NOT DONE	
21		[reset btn] reset all data*	NOT DONE	
22		Pass & retrieve data for Input Data form	NOT DONE	
23		Create judgement filtration to Data 'x' cell after user input data	NOT DONE	
24		[save btn] Insert data to database	NOT DONE	
25		Overall Judgement when done.	NOT DONE	
26	Inspection Sheet (C)	Designing Interface	READY	22/8/2022
27		Load Inspection sheet (Filter Pending/Not completed) *	NOT DONE	
28		Load Method that pending only *	NOT DONE	
29		Load image in picture box	NOT DONE	
30		Load PDF drawing in picture box	NOT DONE	
31		Enlarge picture box	NOT DONE	
32		Load Check Item based on Insp.ID *	NOT DONE	
33		Retrieve check sheet data based on Insp ID from previous page	NOT DONE	
34		Retrieve check item data with Data 'x' and judgement color *	NOT DONE	
35		Zoom PDF when click Ballooning No datacell	KIV	
36		Reset font (Y14) for required column	NOT DONE	
37		Load picture when click Image and WI column	NOT DONE	
38		[start btn] Filter check item based on Method selected by user	NOT DONE	
39		[reset btn] reset only data just input on current session *	NOT DONE	
40		Pass & retrieve data for Input Data form	NOT DONE	
41		Create judgement filtration to Data 'x' cell after user input data	NOT DONE	
42		[save btn] update data to database	NOT DONE	
43		Overall Judgement when done.	NOT DONE	
44	Inspection Sheet (M)	Designing Interface	READY	22/8/2022

Progress

FLUTTER DEVELOPMENT

SMART QC

SPC1

New Inspection | Continue Inspection | Modify Inspection | Logout

Check Sheet ID

Stage

PO/Job No

Total Parameter: 3

Start | Reset | Save

Balloning No	Datatype			WI
1	1			
2	2			
3	3			

```dart
final pdfController =
    PdfController(document: PdfDocument.openAsset('images/Sample.pdf'));

@override
void initState() {
  dateInput.text = "";
  colName = _InspData[0].keys.toList();
  super.initState();

  intSampleSize.addListener(() {});
}

@override
void dispose() {
  intSampleSize.dispose();
  super.dispose();
}

@override
Future<void> displayDrawing(BuildContext context) async {
  return showDialog(
    context: context,
    builder: (context) {
      return AlertDialog(
        contentPadding: EdgeInsets.zero,
        content: Container(
          height: 500,
          width: 800,
          decoration: BoxDecoration(border: Border.all(color: Colors.black)),
          child: PdfView(
            controller: pdfController,
            renderer: (PdfPage page) => page.render(
              width: page.width * 2,
              height: page.width * 2,
              format: PdfPageImageFormat.jpeg,
              backgroundColor: '#FFFFFF',
            ),
          ), // PdfView
        ), // Container
      ); // AlertDialog
    },
  );
}
```

ID	Table Name	Column Name	Data Type	Description	Column2
30	CheckItem	CIID	bigint	Primary key	
		CIRevision	int		
		Enabled	bit		
		Udt	datetime		
		UpdateBy	bigint		
		CLRevision	int		
31	CheckItemPDF	CIPDFID	bigint	Primary Key	
		CIRevID	bigint		
		AnnotID	nvarchar(MAX)		
		AnnotName	nvarchar(MAX)		
		AnnotType	nvarchar(MAX)		
		AnnotLeft	nvarchar(MAX)		
		AnnotBottom	nvarchar(MAX)		
		AnnotRight	nvarchar(MAX)		
		AnnotTop	nvarchar(MAX)		
		AnnotWidth	nvarchar(MAX)		
		AnnotHeight	nvarchar(MAX)		
		AnnotRotation	nvarchar(MAX)		
		pageNum	int		
		labelAnnotID	nvarchar(MAX)		
		labelAnnotName	nvarchar(MAX)		
		labelAnnotType	nvarchar(MAX)		
		labelAnnotLeft	nvarchar(MAX)		
		labelAnnotBottom	nvarchar(MAX)		
		labelAnnotRight	nvarchar(MAX)		
		labelAnnotTop	nvarchar(MAX)		
		labelAnnotWidth	nvarchar(MAX)		
		labelAnnotHeight	nvarchar(MAX)		
		PageWidth	nvarchar(MAX)		

System | **Check Item**

DATABASE STRUCTURE

CONCLUSION

PROGRAMMING SKILLS

▪ VB.NET

▪ Dart

▪ C#

▪ SQL

TECHNICAL SKILLS

▪ Learn to create queries in Microsoft SQL Server Management Studio

▪ Able to publish web services to the server

▪ Implement the Gitea

▪ Enable process performance to be analyzed and monitored for continual improvement

▪ Reduction of waste in material, workforce and spent time

REFLECTION

▪ Able to gain hands-on experience in the software development industry

▪ Learn about the various aspects of software development, including programming, software development methodologies, and statistical data analysis.

THANK YOU

END PROGRAM