



Idea for Test Planning of SML Accounts & Office Management

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System Overview

Module Overview

Test Planning

To-Do Test Cases

Test Tools



Technology Used:

Java7, Spring 4, Spring JPA, Hibernate, Tiles, JSP

Database Server:

Oracle 11g



Development IDE:

IntelliJ IDEA, Sql Developer

System Overview

Hochschule Fulda
University of Applied Sciences





Log In

Dashboard

Welcome to SML Accounts & Office Management System

Home / Index

SML

Accounts

&

Office

Management

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System Overview

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Login

kunwar



....


Login →


System Overview


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 syed_karim ▾


 Dashboard


 Admin ▸


 Asset ▸


 Transport ▸


 Employee ▸


 Requisition ▸


 Expenditure ▸

 Purchase & Invoice ▸

 Transaction ▸

 Bank Account ▸

 Bill ▸

 Reports ▸

Welcome to SML Accounts & Office Management System

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SML

Accounts

&

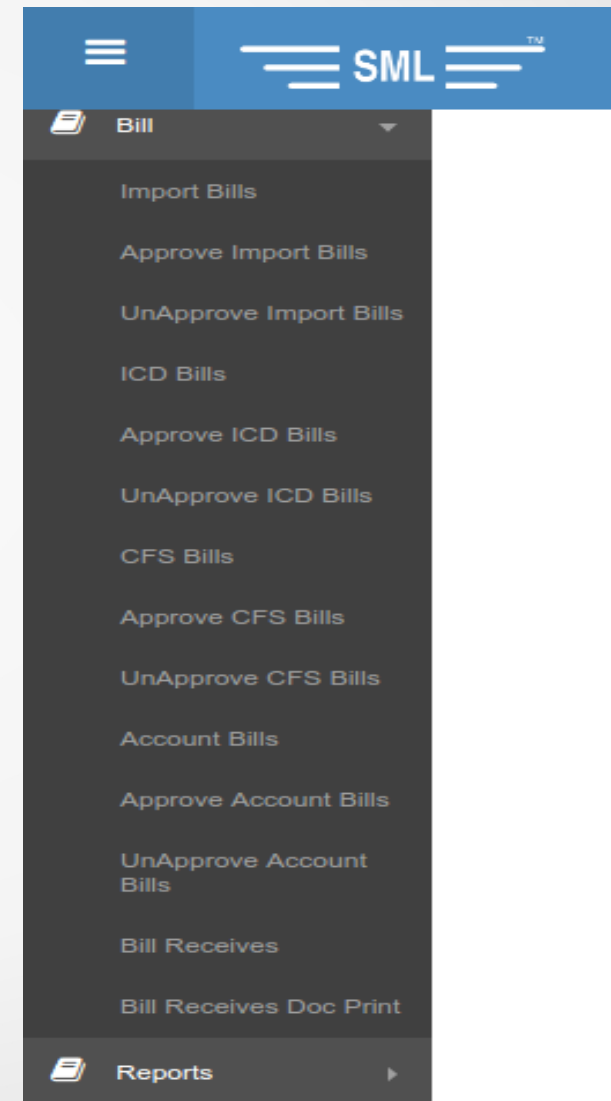
Office

Management

Module Overview



- | To-Do test module is Billing module.
- ▯ Importers, Exporters, Clearing Agents and Forwarders pay bills
- ▯ 5 types of bill.
 - | Import
 - ▯ ICD
 - ▯ CFS FF
 - ▯ CFS AGENT
 - ▯ Account



Module Overview

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Bill Details

Home / Bill Details

Bill Information

Bill Date	Bill Period	Bill Number	Type	Importer	C&F	Commodity	Agent	MLO	BL Number	Services	No Of Container	Details
28-01-2016	01-01-2016 - 31-01-2016	SML/IMPORT/464(A)/2015-2016	IMPORT	AMBER PULP & PAPER MILLS LTD	CHOWDHURY INTERNATIONAL AGENCIES	WOOD PULP	TRANSMARINE LOGISTICS LTD	YML	YMLUS450000749	Import	25	

Bill Information (Extended)

Bill Amount	Total Received Amount	Vat Amount	Total Bill Amount	Document	Complete	Created By	Created Date	Last Modified By	Last Modified Date	Approved By	Approved Date
211423.83	211423.83	31713.57 (15.0%)	243137.4	Download	Yes	tazul [Md. Tazul Islam]	11-02-2016 00:00	tazul [Md. Tazul Islam]	14-02-2016 13:09	tazul [Md. Tazul Islam]	11-02-2016 17:13

Bill Collections

Bill Received Amount	Discount Or Deduction	Amount After Deduction	Income Tax	VAT	Total	Collected Amount	Created By	Created Date	Approved By	Approved Date
211423.83	0.0	211423.828125	0.0	31713.574 (15.0%)	243,137.40	243137.4	tazul [Md. Tazul Islam]	14-02-2016 13:09	tazul [Md. Tazul Islam]	24-02-2016 15:33

Cheques

Type	Cheque/PO Date	Cheque/PO No	Bank	Branch	Deposit Date	Deposit Bank	Deposit Branch	Cheque/PO Scan Copy	Created By	Created Date	Approved By	Approved Date
PAY_ORDER	28-01-2016	1788583	BANK ASIA LTD	Agrabad	01-02-2016	BANK ASIA LTD	Agrabad	Download	tazul [Md. Tazul Islam]	14-02-2016 13:09	tazul [Md. Tazul Islam]	24-02-2016 15:33

Cashes

Rcvd Date	Supporting Document	Created By	Created Date
30-01-2016		tazul [Md. Tazul Islam]	14-02-2016 13:09
30-01-2016		tazul [Md. Tazul Islam]	14-02-2016 13:09

Cancel

Note

Module Overview

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Add Bill Receive

Home / Add Bill Receive

Add Bill Receive

Bill Receive Date

Account(s)

Bill Date Range Filter

Bill Number

Bills

Add +

Delete	Bill No	Amount	VAT	Total	Previous Collected Amount	Received Amount	Discount Or Deduction	Amount After Deduction	Income Tax	VAT	Total	Collected Amount	Complete
<input type="checkbox"/>	<input type="text" value="--- Select Bill ---"/>					<input type="text"/>	<input type="text" value="Flat"/>		<input type="text" value="Flat"/>			<input type="text"/>	<input type="checkbox"/>
							<input type="checkbox"/> Income Tax Deduction						
<input type="checkbox"/>	<input type="text" value="--- Select Bill ---"/>					<input type="text"/>	<input type="text" value="Flat"/>		<input type="text" value="Flat"/>			<input type="text"/>	<input type="checkbox"/>
							<input type="checkbox"/> Income Tax Deduction						
Grand Total		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Cheque(s)

Add +

Delete	Type	Cheque Date	Cheque No	Bank	Branch	Amount	Deposit Date	Deposit Bank	Deposit Branch	Cheque Scan Copy
<input type="checkbox"/>	<input type="text" value="--- Se ---"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="--- Se ---"/>	<input type="text" value="--- Se ---"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="--- Se ---"/>	<input type="text" value="--- Se ---"/>	<input type="text" value="Choose F"/>
<input type="checkbox"/>	<input type="text" value="--- Se ---"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="--- Se ---"/>	<input type="text" value="--- Se ---"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="--- Se ---"/>	<input type="text" value="--- Se ---"/>	<input type="text" value="Choose F"/>
Grand Total						0.00				

Cash(s)

Add +

Delete	Receive Date	Amount	Supporting Document
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Choose File"/> No file chosen
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Choose File"/> No file chosen
Grand Total		0.00	

Note

TR Amount

TR Date

TR Number

More Paid

Less Paid

Tag with Previous Bill

Tag with Previous Bill

Remove Tagged Bill

Account(s)

Bill Date Range Filter

Bill Number

Bill Receive Complete ?

Bill

Save Cancel



Component Test

- ▮ Integration Test
- ▮ System Test
- ▮ Acceptance Test



▣ Component Test:

- | Bill CRUD operations

- ▣ Bill State Transitions

[New, Modified, Approved, Unapproved, Canceled, Received, Deleted]

Bill Receive

Boundary Value Analysis

Decisions and Conditions Test

Money Calculation Test



▯ Integration Test:

- ▯ Connection with database server (Oracle 11g)

Pdf document generation

PVS

PVS Summary

Money Receipt

Excel report generation

Bill Collections [Cash, Cheque, Pay Order (PO)]

Bill VAT Details

Bill Outstanding



JUnit

Mockito

Spring Integration Test Packages

References



<https://docs.spring.io/spring/docs/4.0.6.RELEASE/spring-framework-reference/htmlsingle/#testing>

Software Testing Foundations 4th Edition By Andreas Spillner, Tilo Linz, Hans Schaefer

<http://junit.org/junit5/>

<http://site.mockito.org/>

