

User Story ID (*)	FresherProgram_US002
User Story Name (*)	Create New Motor Policy
Associated User Stories	
Related Product	Motor
BRD Version (*)	
Created Date (*)	Jan 25 th , 2021
Author (*)	Thao Phan

Revision History

Version	Date	Created / Amended By	Reason for change
0.1	Jan 25 th , 2021	Thao Phan	Initial
0.2	Jul 26 th , 2021	Thao Phan	Add more details on Modify and Issue button

Description

As a user (agent), I want to collect new Motor policy so that contract premium is calculated and saved in database.

Precondition

Login as agent role

Acceptance Criteria

Scenario	Given (Pre-condition)	When (Key actions)	Then (Outcome)
Create new Motor policy as pending	User is at New policy creation screen	-Enter all mandatory fields And -Click Save button	New Motor policy is saved successfully with 'Pending' status.
Premium is calculated correctly	User is at New policy creation screen	-Enter all mandatory fields And -Click Refresh button And -Click Save button	Premium is calculated correctly, and new Motor policy is saved successfully with 'Pending' status.
Policy details are modified	User is at New policy creation screen – Modify action	-Enter Policy No field And -Change Sum Insured and click Refresh button And -Click Save button	Premium is re-calculated correctly, and Motor policy is saved successfully with 'Pending' status.
Check duplication if Chassis and Engine number exist	User is at New policy creation screen	-Input Chassis number and Engine number which already exist And -Click Save button	Error message is displayed.
Save new Motor policy unsuccessfully – Not fulfill mandatory fields	User is at New policy creation screen	-Do not fulfill all mandatory fields And -Click to save	Error message is displayed.
Create new Motor policy and issue successfully	User is at New policy creation screen	-Enter all mandatory fields And	New Motor policy is issued and saved successfully with 'In force' status.

		-Click Issue button	
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Requirements Details

Require	Description
Application Type	Web-based application/J2EE
Logo	Use DXC's logo from the left (Refer to https://www.dxc.technology/)
Copyright	Add Copyright at the bottom, for instance, Copyright © 2021 DXC Technology
Web Server	Tomcat
Database	SQL Server (download Express package)
JDBC	DBCP
Logging	Log4J
Label	Use Resource bundle
Error message	Use a table to store errors and display on screens
Tools	GIT, Maven, Eclipse, Postman, JDK 1.8

Field and Validation

Field Name	Description	Required (Y/N)	Control Type	Input Data	Data Type	Default Value	Validation	Error Message
Policy No	Policy Number	System auto-generates			String, 8			
Inception Date	Start Date	Y			Date		1.Mandatory	This is a mandatory field
Expiry Date	Expiry Date	Y			Date		1. Mandatory 2. Expiry Date must > Inception Date	1. This is a mandatory field 2. Expiry Date must > Inception Date

Policy Owner	Policy Owner	Y			String, 8		1.Mandatory 2. Must be an existing Client number	1. This is a mandatory field 2. 'Client not exist' error message.
Engine No	Engine Number	Y		Eg. 1325ACEW	String, 30		1.Mandatory 2. Combination of Engine No and Chassis No must be unique	1. This is a mandatory field 2. Duplicate Engine and Chassis No
Chassis No	Chassis Number	Y		Eg. C1411MF	String, 30		1.Mandatory 2. Combination of Engine No and Chassis No must be unique	1. This is a mandatory field 2. Duplicate Engine and Chassis No
Vehicle Registration No	Vehicle Registration Number	Y		Eg. 51H-791.02	String, 30		1.Mandatory	This is a mandatory field
Billing Currency	Billing Currency	Y	Dropdown	Eg. VND, USD	String, 30	VND	1.Mandatory	This is a mandatory field
Sum Insured	Sum Insured	Y		10,000,000.00	Numeric, 17,2		1. Mandatory 2. Must not be negative	1. This is a mandatory field 2. Sum Insured must not be negative
Rate	Rate	Y		Eg. 0.1	Numeric, 7,5		1.Mandatory 2. Must not be negative	1. This is a mandatory field 2. Rate must not be negative
Annual Premium	Annual Premium	Y			Numeric, 17,2			
Posted Premium	Posted Premium	Y			Numeric, 17,2			
Refresh	Refresh		Button					
Save	Save		Button					
Modify	Modify		Button					
Issue	Issue		Button					

Lookup Tables of the Dropdown value

Billing Currency

Code	Value
VND	Vietnam Dong
USD	US Dollar
SGD	Singapore Dollar

Control Action Rules

Field Name	Action	Result
Annual Premium	Refresh button	Annual Premium = Sum Insured * Rate / 100
Posted Premium	Refresh button	Posted Premium = Annual Premium * number of days/365 (or 366 for leap year) (number of days from Inception date to Expiry date) Example: Sum Insured = 10,000,000.00 VND; Rate = 0.1 Policy from 01/01/2021 to 01/01/2022 -> number of days = 365 ➔ Annual Premium = 10,000,000.00 * 0.1 / 100 = 10,000.00 ➔ Posted Premium = 10,000.00 * 365/365 = 10,000.00 If policy from 01/01/2021 to 01/07/2021 -> number of days = 181 ➔ Posted Premium = 10,000.00 * 181/365 = 4,958.90
All mandatory fields are input	Save button	Policy is saved with 'Pending' status.
Policy No	Modify button	When policy is in 'Pending' status, user can revisit and change details as long as policy is not issued.
All mandatory fields are input	Issue button	Policy is issued and saved with 'In force' status. After policy is issued, user cannot change detail by using Modify action.

Business Rules *[list all of rules related to this US]*

- (1) Combination of Engine No and Chassis No is unique. If existing combination is input, error message 'Duplicate Engine and Chassis No' should be displayed.

Consideration *[Something is not cleared]*

N/A.