

## Home Insurance System

### **Problem Statement:**

Create a java project to develop a Home Insurance System which deals with the policy quotation and other policy related operations.

### **Background of problem statement:**

Home Insurance is a system that helps in buying insurance for home through web application. As per the current process, User needs to reach insurance office to get the Quote before buying the policy by providing Home Owner Details, Location Details and Property Details to the employee of the Insurance Company. Employee will go through all the details given by user and employee will provide quote details to the user. If the user is satisfied with the quote, then he/she will proceed to buy the policy. Since in this process lot of manual workflow is involved, it takes lot of time for Employee to provide a quote as well as providing a policy to the user.

So new system is required to automate existing manual processes, in order to make system more efficient and cost effective. By using this application, a registered user can get a Quote before buying an insurance policy by giving the details like homeowner location, homeowner details, and property details.

### **Functionalities to be implemented**

- User Registration
- Getting a Quote
- Retrieving an existing Quote
- Buying a policy
- Viewing a policy
- Renewing a policy
- Cancelling a policy

### **Integrated application features**

1. User registration and login
2. Only registered users and administrators can access the application.
3. At any point of time user should be able to go back to homepage.
4. Create a session for every login.
5. If the username and password does not exist in the system, application should show proper error message.
6. Apply at least **Not Null** and **Character length** validations to the forms.

## Integrated application non-functional features

1. Exceptions to be handled and a proper message to be delivered.
2. Database connections should be configurable and should not be hard coded.

## High level Business Requirements

S.No	Business Requirement ID	Short Description	Description in detail
1	BR001	Login with different roles User, Admin	There should be provision to login as Admin or as User.
2	BR002	New User Register	There should be provision to register new user.
3	BR003	Get Started	There should be Get Started, from where the user can view the following options <ol style="list-style-type: none"> <li>1.Get Quote</li> <li>2.Retrieve Quote</li> <li>3.Buy Policy</li> <li>4.Renew Policy</li> <li>5.Cancel Policy</li> <li>6.Logout</li> </ol>
4	BR004	Get Quote Module - Location Page	There should be provision for user to provide location details as <ul style="list-style-type: none"> <li>• Residence Type</li> <li>• Address Line 1</li> <li>• Address Line 2</li> <li>• City</li> <li>• State</li> <li>• Zip</li> <li>• Residence User</li> </ul>
5	BR005	Get Quote Module - Homeowner Information Page	There should be provision for user to provide Homeowner Information as <ul style="list-style-type: none"> <li>• First Name</li> <li>• Last Name</li> <li>• Date of Birth</li> <li>• Are you retired?</li> <li>• Social Security Number</li> <li>• Email Address</li> </ul>
6	BR006	Get Quote Module - Property Information	There should be provision for user to provide Property Information as

		Page	<ul style="list-style-type: none"> <li>• What is the market value of your home?</li> <li>• What year was your home originally built?</li> <li>• Square footage</li> <li>• Dwelling style</li> <li>• Roof material</li> <li>• Type of Garage</li> <li>• Number of full baths</li> <li>• Number half baths</li> <li>• Does your home have a swimming pool?</li> </ul>
7	BR007	Get Quote Module - Quote Page	<p>There should be provision for user to show Quote Information once user given the Location, Home Owner and Property details.</p> <p>The Quote information is as follows:</p> <ul style="list-style-type: none"> <li>• Quote Id</li> <li>• Monthly Premium</li> <li>• Dwelling Coverage</li> <li>• Detached Structures</li> <li>• Personal Property</li> <li>• Medical expense</li> <li>• Additional living expense</li> <li>• Deductible</li> </ul>
8	BR008	Retrieve Quote Module - Retrieve Quote Page	<p>There should be provision for user to retrieve Quote Information and should include</p> <ul style="list-style-type: none"> <li>• Quote Id</li> <li>• Residence Type</li> <li>• Address line 1</li> <li>• City</li> <li>• State</li> <li>• Zip</li> <li>• Residence User</li> <li>• Link for the rest of the information to be displayed</li> </ul>
9	BR009	Retrieve Quote Module - Quote Summary Page	<p>There should be provision for user to view the Location, Homeowner, Property and Coverage details provided by them while creating the quote in the summary page.</p>

10	BR010	Buy Policy Module – E sign	There should be provision for user to buy the policy from the quote created.
11	BR011	View Policy Module - Policy Details(For User)	There should be provision for user to view policy details once the user buys the policy.
12	BR012	Renew/Cancel Policy Module	There should be provision for admin to view, renew and cancel policy.
13	BR013	Renew/Cancel Policy Module - All Policy Details(For Admin)	There should be provision for admin to view all user policy details.
14	BR014	Renew/Cancel Policy Module – Renewed / Cancelled Policy Details	There should be provision for admin to Renew/Cancel Policy Details
15	BR015	Logout	There should be provision for user to logout from application.