**Home Insurance Application**

**Software Requirements Document**

**For ASP.Net MVC**

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# Document Purpose & Scope

The purpose of the software requirements document is to systematically capture requirements for the project and the system to be developed. Both functional and non-functional requirements are captured in this document. It also serves as the input for the project scoping.

# Intended Audience

* Project Team
* Customer (to sign off this document)

# Software System Purpose

The Main purpose of Home Insurance Quote is to provide the ability to get a new home insurance quote, retrieve an already existing quote and print the quote summary. Only registered users can get, retrieve and print quotes.

# System Scope

The Home Insurance application is expected to be used by home owners interested in buying home insurance on an e-commerce site having below functions:

1. Login:
   1. Authenticates the logged in user and logs out when needed.
2. New user:
   1. Registers a new user.
3. Get Quote:
   1. User provides the homeowner location, homeowner details, and property details and gets the home insurance quote details from the system.
4. Retrieve Quote:
   1. User logs in to view the already existing quotes that the user has created through the Get Quote module. Quote summary will be displayed for each of the quotes the user creates.
5. Buy Policy:
   1. The user can buy the policy after retrieving the quote that the user has already created.
6. View Policy:
   1. The user the view the home insurance policies that he has.
7. Admin Privileges:
   1. Renew a policy (Admin can renew the policy for the user.)
   2. Cancel a policy (Admin can cancel the policy for the user.)

# System Perspective

This is an independent system and should be implemented using J2EE technologies.

# System Environment

The product will be using the following:

* Visual Studio 2017 Community
* Entity Framework
* Web Browser (Google Chrome, etc.)

# User Characteristics

The product should be user friendly; hence the user should not need any software and hardware knowledge. The user may be new to the product in general.

# Impact of the System

This is a new product which is developed for the customers. Expected impact of the product is to automate existing manual processes to make them more efficient and cost effective.

# Login Module

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| --- |
| **Login Page** |
| **Functional Requirements**   1. Provide a brief introduction of this site. 2. Provide Input fields for Username & Password. 3. Username & Password must be less than 20 characters. 4. Provide a link for new users to create an account. |
| **Requirements**   1. Username & Password must have text fields (Text Boxes). 2. Username & Password must be less than 20 characters. 3. Username & Password are mandatory. 4. Password field must mask entered characters with the \* symbol. 5. Have a Login Button. 6. Page title should be Homeowners Insurance. 7. After login, the Get Started Page should be displayed. |

# New User Module

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| **New User Page** |
| **Functional Requirements**   1. Provide Input fields for Username, Password & Re-enter Password. |
| **Requirements**   1. All fields must have text fields (Text Boxes). 2. All fields are mandatory. 3. Have a Signup Button. 4. Page header should be New User. 5. After signup, the Get Started Page should be displayed. |

# Get Started Module

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| **Get Started Page** |
| **Functional Requirements**   1. Provide buttons for Get Quote & Retrieve Quote pages. |
| **Requirements**   1. Clicking on Get Quote should take the user to the Homeowner Page. 2. Clicking on Retrieve Quote should take the user to the Quote Details Page. 3. User should be able to logout from the navbar. |

# Homeowner Module

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| **Homeowner Page** |
| **Functional Requirements**   1. Provide Input fields for the following:    1. First Name    2. Last Name    3. Date of Birth    4. Are you Retired?    5. Social Security Number    6. Email Address |
| **Requirements**   1. First Name & Last Name must be String data types. 2. Date of Birth must be a valid date. 3. Are you Retired must be a checkbox/radio button. 4. Social Security Number must be a valid 9-digit, numeric value. 5. Validate the email address. 6. The Continue Button should take the user to the Location Page. 7. User should be able to logout from the navbar. |