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| Institute of Technology Tralee  Web Design for Multiple Platforms  Value: 60%  Due Date: 9th May 2014 | LOGO2 |
| Corresponding to Department policy, for every day late your grade will be reduced by 20%. | |

Create a single page app that calculates the cost of house insurance. Your screen should contain the following elements:

|  |  |  |  |
| --- | --- | --- | --- |
| Question | Values | Cost | Type |
| Do you own the property or rent it from someone? | I own and live in it  I own it and it’s a Summer House  I rent it from someone | 50  25  5 | Radio Buttons |
| Type of property | Detached  Semi-Detached  Bungalow  Terraced  Apartment | 100  50  65  40  10 | List box |
| Years Old | <1  >1 <5  >5 <15  >15 | 50  75  90  100 | List box |
| House Alarm | No  Yes - Standard Alarm  Yes - Monitored Alarm | 100  40  10 | Radio Buttons |
| At Least Two Smoke Detectors Fitted | No  Yes | 50  10 | Radio Buttons |
| Location | Dublin  Cork, Limerick, Kerry  West of ireland | 50  30  10 | List box |
| Claims Free For | 1 year  2 years  3 years  4 years  >=5 years | 100  80  60  40  20 | List box |
| Buildings Cover |  | 1% of cover | Textbox |
| Contents Cover | 20,000  40,000  60,000  80,000  >80,000 | 50  70  90  110  150 | List box |
| Claim Excess | €250  €500  €1,000 | 30  50  70 | Radio Buttons |

At the bottom of the screen you have a calculate button which when clicked gives you a summary of the insurance details you have entered and the price quote in a textarea box.

**Your code has to include functions, validation where appropriate and the following 2 arrays.**

1. Create a 10 slot array that holds a description of each detail outlined above. An example might look like the following. The purpose of this array is for the summary display at the end only.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| own | Type | Years Old | House Alarm | Smoke Detectors | Location | Claims Free | Buildings | Contents | Excess |

1. Create a 10 slot array that holds the appropriate cost of each detail. This array is updated each time the user selects an option from a control.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50 | 100 | 50 | 100 | 50 | 50 | 100 | 140 | 70 | 30 |

When the user clicks the calculate button, you should add all the values up in the cost array and display this total as well as a breakdown of the overall cost which is where the first array comes in.

**A summary of your quote is as follows:**

**Own: 50**

**Type: 100**

**Years old: 50**

**House Alarm: 100**

**Smoke Detectors:50**

**etc etc**

**Your Total Cost is: 740**

Deliverables:

Your design needs to be responsive and the form should be formatted similar to the examples from semester 1.

Your app should be tested on an emulator. Details of how to do this will be given to you in class.

1. Create a zip file of your entire project (images, html files, css, js file etc.) and name the zip file surnameforename.zip
2. Email the zip file to either [anne.obrien@staff.ittralee.ie](mailto:anne.obrien@staff.ittralee.ie) or david.crowley@staff.ittralee.ie by the due date specified above.

Any code taken from the web or elsewhere be it free or otherwise has to be referenced within the code, and any modifications made must be clearly marked. Failure to do this will result in a fail.

Text and images also need to be referenced if they are not your own material. These references can be made in the code via comments.