|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Assessment for Mobile phone insurance quotes application** | | | |
| **Mobile phone insurance Function** | **Risk of Failure (1 – 10)** | **Explanation** | **Dependency** |
| **Login** | **10** | **When the application is opened the first thing a user must do is enter there start name, If this does not work you will not be able to use the rest of the application** | * **Application starts** |
| **Calculate phone insurance subscription cost** | **10** | **This application is based on the calculation made for quoting an insurance cost if this does not work the application does not work so this is potentially the most important feature** | * **Application starts** * **Staff has logged in** * **Customer No needs to be entered** * **Customer age needs to be entered** * **Street name needs to be entered** * **Town name needs to be entered** * **County name needs to be entered** * **Phone model needs to be entered** * **Phone provider needs to be entered** * **Subscription type needs to be entered** * **Calculate button needs to work** |
| **Add to File feature** | **4** | **Once calculation is made you can output the values from that to a word document this is a nice feature to have but not essential to the applications function therefore this is not a priority** | * **Calculation has to have been made** * **Add to file button needs to work** |
| **Reset customer fields** | **5** | **When reset is pressed the fields should be reset** | * **Calculation is made** |
| **Exit application** | **2** | **When exit button is pressed application should successfully close** | * **Calculation is made** |

Risk Analysis and test strategy for Mobile phone insurance application

Test strategy

Risk Analysis is very essential for software testing. In software testing, risk analysis is the process of identifying risks in applications and prioritising them to test. A risk is a potential for loss or damage to an organisation from materialised threats. Risk Analysis attempts to identify all the risks and then quantify the severity of the risks. A scale from 1 – 10 is used to help identify risk of failure within key functions of an application. I am preparing my test strategy for this application based on the risk analysis I performed. Based on this it is obvious that the most essential features that need to be tested are the login feature and the calculation feature are these are essential for the mobile phone insurance quote application to fulfil its use case defined by the client phone a friend. Therefore, the first two features I am going to test are the login feature and the calculation feature.

During the actual testing however, I ended up just testing the dependencies of the calculations and as I was running out of time I tried to test the add to file feature instead of the login feature.