**Test Report – Martin Byrne**

The test carried out on the 20th November 2019 against the Marine Wall Paper Estimates Application V1 has the following results. The test found several errors which will be listed below. Recommendations for fixing errors will also include along with a summary of how successful the testing went.

**Presence or Absence of errors**

“**Expected** 4. Length must be >= 10. **Actual** Full Estimate Generated. No error occurred where there should have been an occurrence of error 4. See screenshot test case 5”

“**Expected** 7. Customer name cannot be just spaces. **Actual** Full Estimate Generated. No error occurred where the sould have been an occurrence of error 7. See screenshot test case 8”

“**Expected** Estimate for Joe Bloggs displayed, Wallpaper Marimekko, Price per metre 16.00 , Grade B, Length 100 , Paper Price 1600.00, Fitting Cost 112.00, Subtotal 1712.00, VAT 299.60 , Estimate 2011.60 **Actual** Estimate for Joe Bloggs displayed, Wallpaper Marimekko, Price per metre 16.00 , Grade B, Length 100 , Paper Price 1600.00, Fitting Cost 96.00, Subtotal 1696.00, VAT 296.80 , Estimate 1992.80. Marimekko is supposed to be grade b but is grade c in the grades.txt file which makes calculations wrong because of different fitting cost. See screenshot test case 10”

“**Expected** Estimate for Joe Bloggs displayed, Wallpaper Harlequin, Price per metre 14.00 , Grade C, Length 100, Paper Price 1400.00, Fitting Cost 84.00, Subtotal 1484 , VAT 259.7 , Estimate 1743.70 **Actual** Estimate for Joe Bloggs displayed, Wallpaper Harlequin, Price per metre 14.00 , Grade B, Length 100, Paper Price 1400.00, Fitting Cost 112.00, Subtotal 1512.00, VAT 264.70 , Estimate 1743.70. Harlequin is supposed to be Grade C but is listed in the grades.txt file as Grade B which which makes calculations wrong because of different fitting cost. See screenshot test case 11”

“**Expected** Estimate for Joe Bloggs displayed, Wallpaper Galerie, Price per metre 21.00 , Grade D , Length 100, Paper Price 2100.00, Fitting Cost 105.00, Subtotal 2205.00, VAT 385.87 , Estimate 2590.87 **Actual** Estimate for Joe Bloggs displayed, Wallpaper Galerie, Price per metre 21.00 , Grade D , Length 100, Paper Price 2100.00, Fitting Cost 84.00, Subtotal 2184.00, VAT 382.20 , Estimate 2566.20. Fitting Cost is wrong as it is calculated at 4% instead of 5%. This affects the VAT, Sub-Total and Estimate costs, see screenshot Test Case 12 “

“**Expected** Estimate for Joe Bloggs displayed, Wallpaper Missprint, Price per metre 11.00 , Grade A , Length 100, Paper Price 1100.00, Fitting Cost 110, Subtotal 1210.00, VAT 211.75 , Estimate 1421.75 **Actual** Estimate for Joe Bloggs displayed, Wallpaper Missprint, Price per metre 11.00 , Grade A , Length 100, Paper Price 1100.00, Fitting Cost 110, Net-Cost 1210.00, VAT 211.75 , Estimate 1421.75. Sub-Total labelled as Net-Cost, missing grade field. See screenshot test case 13”

“**Expected** Estimate for Joe Bloggs displayed, Wallpaper Marimekko, Price per metre 16.00 , Grade B, Length 100 , Paper Price 1600.00, Fitting Cost 112.00, Subtotal 1712.00, VAT 299.60 , Estimate 2011.60 **Actual** Estimate for Joe Bloggs displayed, Wallpaper Marimekko, Price per metre 16.00 , Grade B, Length 100 , Paper Price 1600.00, Fitting Cost 96.00, Net-Cost 1696.00, VAT 296.80 , Estimate 1992.80. Marimekko is supposed to be grade b but is grade c in the grades.txt file which makes calculations wrong because of different fitting cost. Sub-Total is labelled as net-cost and no grade field See screenshot test case 14”

“**Expected** Estimate for Joe Bloggs displayed, Wallpaper Harlequin, Price per metre 14.00 , Grade C, Length 100, Paper Price 1400.00, Fitting Cost 84.00, Subtotal 1484 , VAT 259.7 , Estimate 1743.70 **Actual** Estimate for Joe Bloggs displayed, Wallpaper Harlequin, Price per metre 14.00 , Grade B, Length 100, Paper Price 1400.00, Fitting Cost 112.00, Subtotal 1512.00, VAT 264.70 , Estimate 1743.70. Harlequin is supposed to be Grade C but is listed in the grades.txt file as Grade B which which makes calculations wrong because of different fitting cost. See screenshot test case 15”

“**Expected** Estimate for Joe Bloggs displayed, Wallpaper Galerie, Price per metre 21.00 , Grade D , Length 100, Paper Price 2100.00, Fitting Cost 105.00, Subtotal 2205.00, VAT 385.87 , Estimate 2590.87 **Actual** Estimate for Joe Bloggs displayed, Wallpaper Galerie, Price per metre 21.00 , Grade D, Length 100, Paper Price 2100.00, Fitting Cost 84.00, Subtotal 2184.00, VAT 382.20 , Estimate 2566.20. Fitting Cost is wrong as it is calculated at 4% instead of 5%. This affects the VAT, Sub-Total and Estimate costs. Also Sub-Total is labelled as Net-Cost and Grade field is missing see screenshot Test Case 16”

**Proposals for Rectifying Test Errors**

**High Priority**

Error 4. Length must be >= 10 should have occurred but estimate was generated

Error 7. Customer name cannot be just spaces should have occurred but estimate was generated

Marimekko and Harlequin are graded differently in the specification than in the grades.txt file. Marimekko should be Grade B and Harlequin Grade C

VAT is calculated at 4% for Galerie instead of 5%

**Medium Priority**

Sub-total is labelled as Net-Cost in the display estimate window

There is no grade listing in the display estimate window

**Low Priority**

**Report Results against the App Specification**

Many features in the application meet the specifications but some do not. These have been listed in the Errors section along with some recommendations that may be used to remove the errors. After full testing 50% passed and 50% failed.