

Event Driven Applications

Unit 14 Assessment 2

DIY Paint Room Calculator

User Requirements Summary

You have been asked to design; implement and test a simple windows desktop application that would assist someone paint a room in their home. The application should prompt the user to enter the dimensions of the room, and it should calculate and display the area of the ceiling, the area of the total area of the four walls and the amount of emulsion pain needed to paint both the walls and ceiling.

Keep this application simple as it is only the first draft of the application, and a more sophisticated version will be developed later. You can leave out any need to correct the areas or pain quantity calculated to take into account any doors and windows in the room. You may if you wish, display how much paint is needed for just the ceiling, and walls separately, as well as the total quantity required if both the walls and ceiling are painted in the same colour.

Please ensure that your final implementation contains sufficient on screen help to ensure that the user is in no doubt as to how to use the calculator. In this first draft no data validation is required, but design the GUI in such a way as to minimise possible mistakes that users could make.