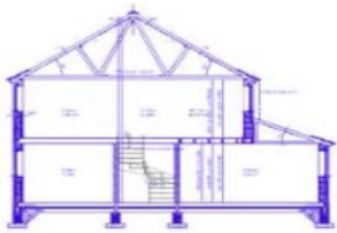


## Midterm Instructions

Building Plans Conversion



### Converter App

Enter a value and choose conversion

10

**Convert Measurement**

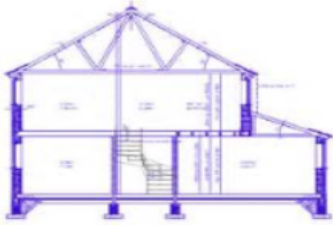
- ☒ Inches to Meters
- ☐ Meters to Inches

10 meters is 393.701 inches.

Convert Clear Exit

After the Clear button is clicked:

Building Plans Conversion



### Converter App

Enter a value and choose conversion

**Convert Measurement**

- ☐ Inches to Meters
- ☒ Meters to Inches

Convert Clear Exit

Design the GUI pictured above. You don't have to use the indigo back color, you can make your own design choices, but please notice that the design has to be readable, the font large, the font color a good contrast to the back color.

The image is in a PictureBox. You can find the image attached to the drop box in CougarView.

Use a RadioButton Group and two RadioButtons for the choices.

Exit button – app closes

Clear button: input textbox and display label is cleared. The input textbox has focus. The RadioButton check property is reset to "Inches to Meters".

Use If statements to determine if the value entered in the textbox is a number, so it can be safely converted.

Then determine that the value is positive. Based on the user choice, perform the conversion.

Here is a [resource showing you all about conversions](#). There are many formulas.

Use a MsgBox to display errors:

If the converted value is negative, pop up a MsgBox error.

If the value entered is not numeric, pop up a MsgBox error.

Test your app with all possible inputs:

Abc

5

-5

Try even with no input! [Watch the video walkthrough to see the behavior of the app.](#)

Video demo: once you have fully tested your work, please use a free screen recorder like [Screencast-o-matic](#) to record your screen and voice as you demonstrate your app. Go through the test cases listed above. Show your working app, and then discuss your code. We want to see your conversion button code.

After you are done recording, you can upload the video to YouTube or to the Screencast-o-matic cloud if they offer that with a free account. There is a video in our Lectures module that shows you how to upload to YouTube. If you go that route, simply save your video as a video file on your computer.

Please submit your video link and your program code. You can submit as a GitHub link or as a zipped folder.