Imagine your working in the Healthcare industry, where privacy is a big thing. Somethings MUST be kept private, others not so much. Encaplulation works similarly where somethings are kept private to just that part of the program, but then other parts share the “results” from the private to other parts of the program. There for Part A doesn’t know what all took place in Part B, as it just needs the results to function.

public class Word

{

private string \_word;

private bool isHidden;

public Word(string word)

{

\_word = word;

}

public void Hide()

{

isHidden = true;

}

public string GetText()

{

if (isHidden)

{

int wordLength = \_word.Length;

string hiddenWord = "";

while (wordLength > 0)

{

hiddenWord += "-";

wordLength--;

}

return hiddenWord;

}

else

{

return \_word;

}

}

public bool IsHidden()

{

return isHidden;

}