CIS 410/510: Project #2
Due October 9th, 2013
(which means submitted by 6am on October 10th, 2013)
Worth 7% of your grade

Assignment:
1) Download skeleton file proj2.cxx and file data_proj2.vtk and put them in a new directory.
2) Re-use your from CMakeLists.txt ... copy it to a new directory and rename “proj1” to be “proj2”.
3) Compile the program and run the program. It will generate incorrect output.
4) You will need to implement three functions to make it generate the correct output (search for “IMPLEMENT ME!”)
   a. I would recommend you implement them in the following order:
      i. BoundingBoxForCell
      ii. CountNumberOfStraddlingCells
      iii. EvaluateFieldAtLocation
5) Compare the output with the output I posted. Keep in mind that not all function invocations have valid arguments. GetBoundingBox returns [-100-/+100, -100-/+100] for invalid cell indices and EvaluateFieldAtLocation returns 0 for invalid locations.
6) Email me (hank@cs.uoregon.edu) your source code and a screenshot of your output when it is working.