**CS345 Test Prep Exercise**

* Create a new visual studio windows form solution called TestPrep
* Push it to your CS345 Repository
* We are going to draw a football field. We will try to create a graphic similar to the one shown here:
  + <https://en.wikipedia.org/wiki/American_football_field>
* A football field has the following dimensions
  + 120 yards from end to end
  + 53 1/3 yards wide
  + For other dimension consult the Wikipedia page. Use NFL field dimensions when they differ from college dimensions.
* The football field will be drawn using a few different sets of world coordinates.
* Provide a margin of at least 10% of the width on the sides and 10% of height on top and bottom of the field.
* Use a world coordinate system with (0,0) at the end of the top left of the field and (120, 53 1/3) at the bottom right.
  + Draw the field rectangle (green) and outline the field with white.
* Use a world coordinate system with (0,0) at the top of the left side 0 yard line and draw the vertical yard lines to the 50.
* Use a world coordinate system with (0,0) at the top of the right side 0 yard line and draw the vertical yard lines to the 50 yard line. You should be able to use a function, such as “drawYardLines” that will work on both sides of the 50 yard line.
* Use a world coordinate system with (0,0) at the top of the left side 0 yard line and draw the vertical yard lines to the 50. To
* Use a world coordinate system with (0,0) at the end of the top left of the field and (120, 53 1/3) at the bottom right to place a football teams logo at the center of the field (8 yards wide and 10 yards high)
* Use world coordinates to so that (0,0) is the corner of the end zone to draw a graphic in each end zone.