I thought I would make a thread specifically for project specifications and questions pertaining to specifications. That way they are all relatively easy to find in one thread.

:d

I gave a similar project last semester featuring red-black trees.

Things that were missed then:

* forgetting to put a level number in front of the level
* forgetting to put an X designator for the root
* not using strcmp to order the keys
* forgetting to put the balance indicator wherever a node name appears

I will be using an AVL checker to check your trees, so the syntax has to match exactly.

I'm going to post an unfinished version of the checker soon. You should finish it out and check some hand drawn trees BEFORE you start your AVL code.

Is it acceptable to use an in-order traversal via recursion to determine the level of the nodes in our trees?

Only if your entire display of the tree is O(n).