

## CS350: Data Structures Class Notes

*Week 12, Class 32/33: Monday, November 17, 2008*

We began by discussing the implementation of a graph ADT. Then we turned to the text for its implementation. The interesting feature of the text's approach was the way it built information into the vertices so that further processing would be easier.

Next we looked at Breadth First Search examining how the books approach implicitly built the search tree. We contrasted this approach to one in which the search paths were handled explicitly. Then we talked briefly about Depth First Search.

We looked briefly at topological sorting and strongly connect subgraphs.

Finally, we ran out of time while talking about Dijkstra's algorithm and search tree pruning.

**Homework for Next Monday:** p279, 3 & 4