

Hisham Hussein
Time and space analysis
CIS 350

Time and space analysis:

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Function Name	Time analysis O()	Space analysis O()
<code>int main(){ }</code>	O(n)	O(n)
<code>void privateHireWhiteHouse(string boss,string employee){ }</code>	O(n)	O(n)
<code>WhiteHouse *findFirst(WhiteHouse* ptr, string target) { }</code>	O(n)	O(n)
<code>void privateFire(WhiteHouse *ptr){ }</code>	O(n)	O(n)
<code>void privetActuallyfire(string name){ }</code>	O(n)	O(n)
<code>void privatePrint(WhiteHouse *ptr,int treeDepth){ }</code>	O(n)	O(n)
<code>hiringFiringProcess(string boss) }</code>	O(n)	O(n)
<code>void publicHireWhiteHouse(string boss,string target){ }</code>	O(n)	O(n)
<code>void publicFire(string name){ }</code>	O(n)	O(n)
<code>WhiteHouse *findFirst(string target) { }</code>	O(n)	O(n)
<code>void publicPrint(){ }</code>	O(n)	O(n)

Class Diagram:

