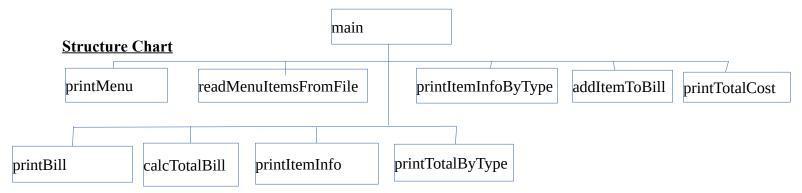
CSC 250 - Program Design Document



Function Design (give the prototype and a short description for each function) int printMenu(const string[], int, string &); // prints the menu to the screen int readMenuItemsFromFile(MenuItem []); //reads the menuitems from the file taco_menu.txt //and stores them in the given array void printItemInfoByType(MenuItem [], ItemType); // menu option //of all the items matching the given itemtype void printItemInfo(MenuItem); // prints the info of the given menuitem void addItemToBill(MenuItem[], MenuItem [], int); // add the menuItem at the given index //to the given position in the bill (menu,bill,index) // also increments cumultiveSales of menuItems void searchItems(MenuItem[], MenuItem[], string);//searches the first array for the given string and fills the second array with the results void printTotalCost(MenuItem[]); // prints the total cost of the items in the array void printBill(MenuItem[], MenuItem[]); // finalizes the sale, prints the bill and clears all selections void printTotalByType(MenuItem[], ItemType); // calculates the total cumulative sales of //the given item type **void calcTotalBill(MenuItem[], Bill &);** // calculates the total cost and tax/tip of items /in the array and fill the Bill with it

Time Estimate

	Estimated Time	Actual Time
Program Design	<u>20</u>	
(list each function name and the		
time required to code each)		
<u>printMenu</u>	<u>5</u>	
<u>readMenuItemsFromFile</u>	<u>10</u>	

<u>printItemInfoByType</u>	10	
<u>printItemInfo</u>	<u>5</u>	
<u>addItemToBill</u>	<u>5</u>	
<u>searchItems</u>	<u>10</u>	
<u>printTotalCost</u>	<u>5</u>	
<u>printBill</u>	<u>15</u>	
printTotalByType	<u>10</u>	
<u>calcTotalBill</u>	<u>5</u>	
Program Test	<u>15</u>	
Total Time	<u>115</u>	