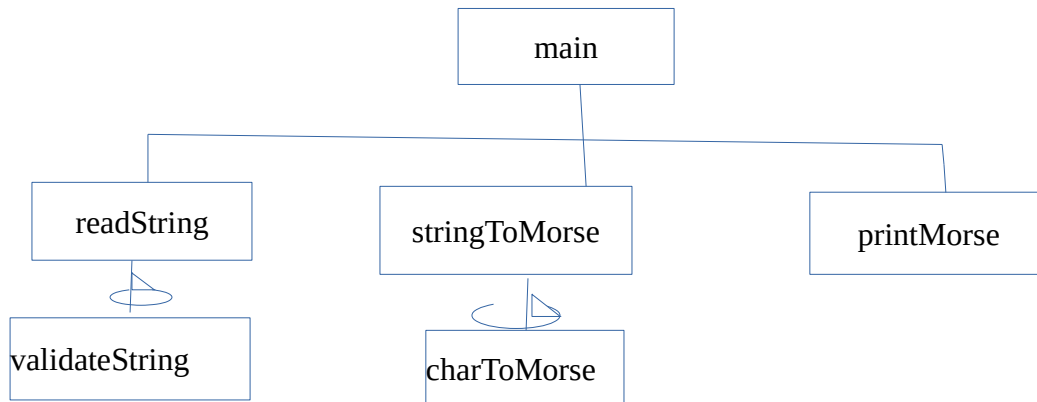


CSC 250 – Program Design Document

Structure Chart



Function Design (give the prototype and a short description for each function)

void readString(string); // reads the line from the user and stores it into the given string

bool validateString(string); // loops through all of the characters entered by the user, and checks to //make sure they are part of our morse code lookup table. If not, they are converted into a space and //false is returned, otherwise true is returned.

void charToMorse(char, string*); //looks up the character in the lookup table and sets the cstring //equal to it's equivalent morse code string

void cstringToMorse(string, string *); // converts the first string into morse code and stores it //into the second string

void printMorse(string); // prints out the given processed string to the user

Time Estimate

	Estimated Time	Actual Time
Program Design	<u>10</u>	
(list each function name and the time required to code each)		
<u>readCString(char*)</u>	<u>3</u>	
<u>cstringToMorse(char*,char*)</u>	<u>3</u>	
<u>printMorse(char*)</u>	<u>3</u>	
<u>validateString(string)</u>	<u>3</u>	
<u>charToMorse(string, string *)</u>	<u>3</u>	
Program Test	<u>5</u>	
Total Time	<u>20</u>	