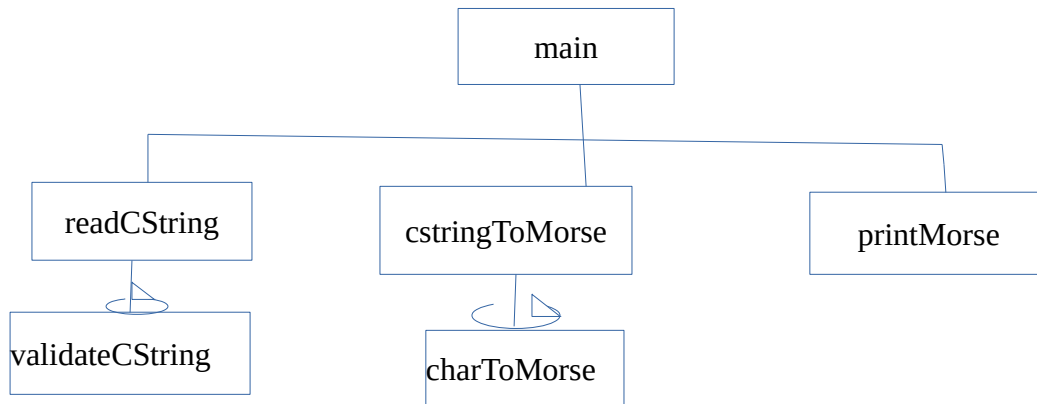


# CSC 250 – Program Design Document

## Structure Chart



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

**void readCString(char \*);** // reads the line from the user and stores it into the given cstring

**void validateCString(char \*);** // 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

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

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

**void printMorse(char \*);** // prints out the given processed cstring 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>10</u>	
<u>printMorse(char*)</u>	<u>3</u>	
<u>validateCString(char*)</u>	<u>3</u>	
<u>charToMorse</u>	<u>5</u>	
Program Test	<u>10</u>	
<b>Total Time</b>	<b><u>44</u></b>	