

String Class

CS 124 – Intro to Software Development

Macbeth – Lesson 12.1

Agenda

- Opening Prayer
- Scripture
- Strings
- Looking Ahead

Scripture

Alma 34:38

"[L]ive in thanksgiving daily, for the many mercies and blessing which he doth bestow upon you."

Array Quiz

How would you store the data for a chess game:

- A) `int chess[8];`
- B) `int chess[8][8];`
- C) `bool chess[8][8];`
- D) `int chess[8][8][8];`

B

Array Quiz

What is wrong with this code that is supposed to print out a spreadsheet that has 40 rows and 80 columns:

```
for (int row=0; row<40; row++)  
{  
    for (int col=0; col<80; col++)  
    {  
        cout << board[col][row] << " : ";  
    }  
    cout << endl;  
}
```

C

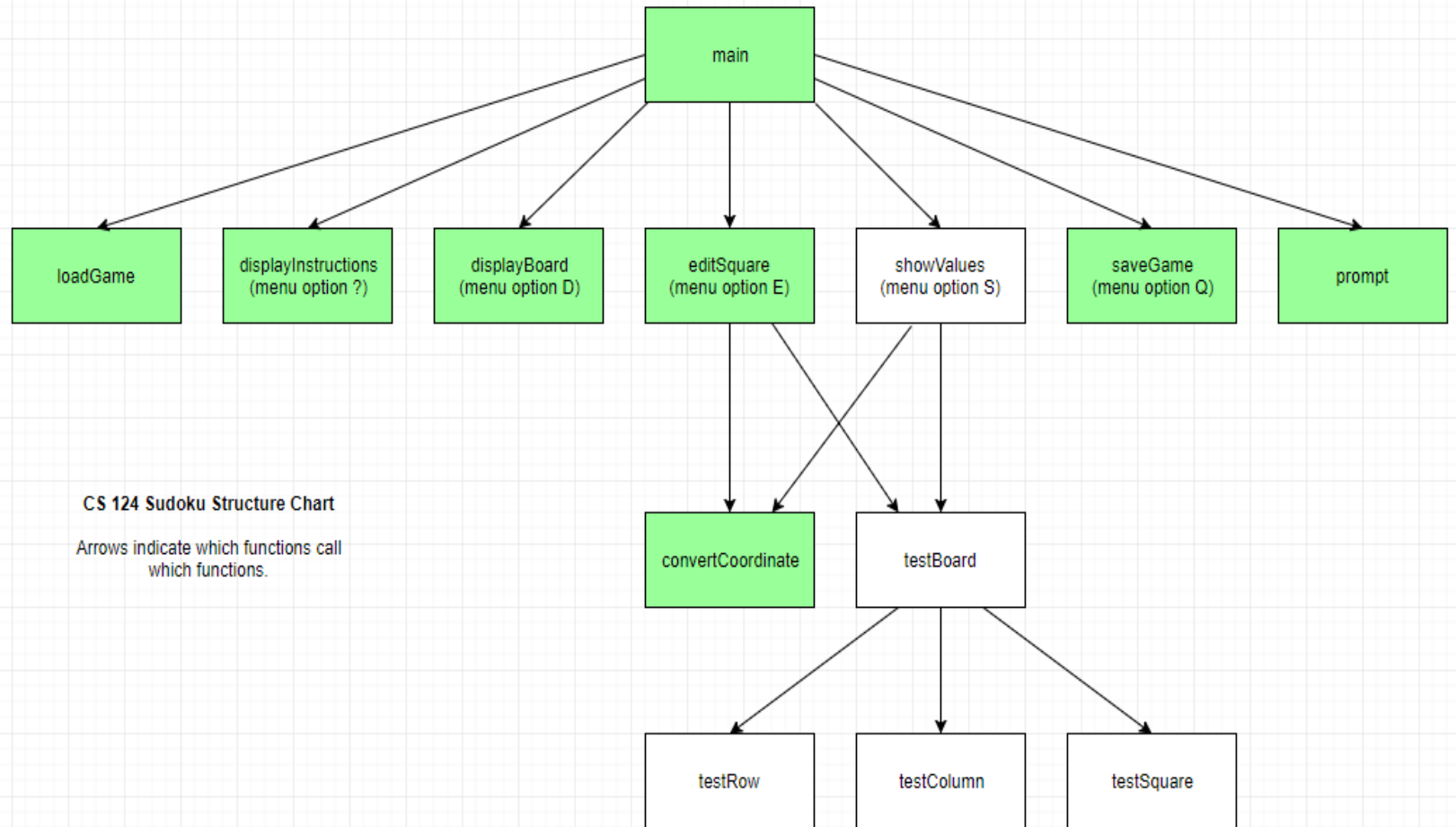
- A) Multi-Dimensional Arrays should have the same number of rows and columns
- B) The Loops should start at 1
- C) When displaying each element, the row should be specified first
- D) The first loop should be for columns instead of rows

Sudoku Schedule

- Saturday, Dec 2 – First delivery of Sudoku is due (project 12)
- Saturday, Dec 9 – Final delivery of Sudoku is due (project 13) – no late submissions accepted.
- Sudoku Extra Credit – Make a copy of your final Sudoku project and implement additional functionality. This is a separate submission which is due no later than Dec 9th. See I-Learn Week 13 for more details.
- Sudoku Solver – Update your code to automatically solve a Sudoku puzzle. If you demonstrate it to me in my office no later than Dec 11th, then you do not need to take the final exam. There is no testbed for the solver. See I-Learn Week 13 for more details.

First Delivery of Sudoku

- The editSquare will give an error only if the Sudoku position is already filled in.
- You will not need to implement the Sudoku rules for this delivery.



Looking Forward

- Read next topic and attempt assignment.
- Review Sudoku Design Document and be prepared to ask questions and work on code next class.
- Start coding Sudoku for the Saturday delivery.