

158.256 Web Application Design  
Topic 6 Practical Lab Option 1- Working with Web Tables and Column  
**Hamilton Conference Centre (20 Marks)**

## Aim

To test your knowledge of CSS to create a web table listing room reservations at a popular conference centre

## Problem Scenario - Hamilton Conference Centre

Yancy Inwe is the facilities manager at the Hamilton Conference Centre in Hamilton, New Zealand. The conference centre is a general-use facility for the community, hosts several magazine organisations and clubs as well as special events and would like to create a website where employees and guests can easily track which rooms are available and which are being used. She would like this information displayed in a web table that lays out the rooms and halls from 800am to 5.00pm in half-hour increments. Eventually this process will be automated by the conference's web server; but for now she has come to you for help in setting up the sample web page layout and design

## Sample Solution



# Hamilton Conference Center

Home PageReservationsFacilitiesVirtual TourStaffCalendar of EventsContact InfoDirectionsFAQ

Reservations for Conference Rooms  
Tuesday, April 10

Room	Morning								Noon		Afternoon							
	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	1:00	1:30	2:00	2:30	3:00	3:30	4:00	4:30
Sunrise Room	Marriage Encounter								Marriage Encounter Luncheon		Marriage Encounter Talks							
Mountain View Room	Breakfast Club of Ohio								Ohio Conference of Librarians		Ohio Book Resale Setup							
Arbor Hall	Computer Expo Set Up										Computer Expo Opening Session							
Mitchell Theater											Youth Theatre							
Gold Room	The Tompkins Group								Pearson Planning		Mothers of Multiples							
Blue Room	Retirement Planning								The Senior Group		Senior Luncheon		Senior Classes		Teen Connection			
Green Room	Drivers' Ed								Movie Club						Tutoring			

To reserve a room, please contact Yancy Inwe at extension 388 or by e-mail at [yancyinwe@hconfcenter.org](mailto:yancyinwe@hconfcenter.org). Reservations should be made at least 48 hours in advance.

Cancellations require 24 hour notice. Room deposits will not be returned for cancellations within 24 hours of the scheduled event.

Sunrise Room	Maximum Capacity: 80
Mountain View Room	Maximum Capacity: 150
Arbor Hall	Maximum Capacity: 190
Mitchell Theatre	Maximum Capacity: 120
Gold Room	Maximum Capacity: 40
Blue Room	Maximum Capacity: 30
Green Room	Maximum Capacity: 55

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## Data files need for this case problem

Download the [ZIP Archive](#) containing these working files. The files are also available on Stream.

## Tasks and Challenges

Complete the following:

1. Use your text editor, open `hcc_schedule_txt.html`, `hcc_styles_txt.css`, and `hcc_schedule_txt.css` from the ZIP archive.. Enter your name and the date in the comment section of each file. Save the files as `hcc_schedule.html`, `hcc_styles.css`, and `hcc_schedule.css` respectively.

2. Using the content of `hcc_rooms.txt` files, create the content and structure of the `hcc_schedule.html` page. You are free to supplement the material in these text files with additional textual content of your own if appropriate. Use the `#` symbol for the value of href attribute in your hypertext links because you will be linking to pages that don't exist yet.
3. Create a table containing the room reservation information. The table structure should contain the following elements
  - a. A table caption and summary
  - b. Table row and column groups
  - c. Examples of row and/ or column- spanning cells
  - d. Examples of both table heading and table data cells
4. Place styles for the general page layout in the `hcc_style.css` style sheet.
5. Add a column layout to one section of your document. The number of columns and its appearance are up to you. Include your column styles in the `hcc_styles.css` style sheet file.
6. Create a style for your table in the `hcc_schedule.css` style sheet. The layout and appearance of the table are up to you, but the table should include the following:
  - a. A border style applied to one or more table objects
  - b. A style that defines whether the table borders are separate or collapsed
  - c. Styles applied to table rows and column groups
  - d. Use the horizontal and vertical alignment of the table cell contents
  - e. Different widths applied to different widths applied to different table columns
  - f. Styles applied to the table caption
7. Document your code in the HTML and CSS files with the appropriate comments.
8. Publish your website on SFS-WEBDEV.

Marking Schedule	
Component	Total Marks
Tasks 1 and 2	3
Task 3	4
Task 4	1
Task 5	2
Task 6 (a-f)	6
Task 7	2
Task 8	2