

CTIS 255**WEB Technologies 1****Final** by Serkan Genç

Duration: 120 mins

There are **video** files for each question that describe what you are supposed to do. After reading the questions, **do not forget to watch these videos**. You can also find all assets (jQuery library, source code) within the given zip file.

Q1. (45Pts) Write a DHTML page that has a table with 4x4 cells. The table is centered in the page, and there is no border spacing. Each cell has a dimension of width:60px and height:40px , and a border of "1px solid #AAA". If the user clicks on any cell in the table, the clicked cell's background color changes to "#F99" color. **NO PARTIALS.**

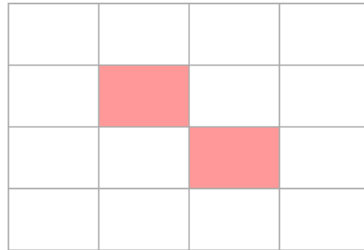
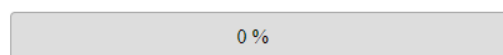
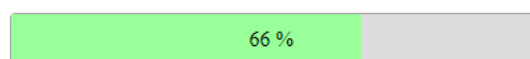
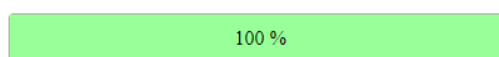


Fig 1: Clicked cells

Q2. (35Pts) Write a DHTML page that shows a progress bar, Fig 2a. If the user clicks on an h1, "Start", the progress bar shows a green bar extending to the right side. A counter (percentage) shows the current load status. "Start" and Progress bar is centered in the page. The bar container's properties are width: 400px, height: 40px, background: #DDD, border: 1px solid #AAA, and border-radius: 4px. The bar within this container has a width of 38px, background: #9F9. After clicking "Start", it becomes "Loading", and a green bar starts progressing, meanwhile the counter increases accordingly, Fig 2b. Use a timer with **50ms** period, and use a counter. When the percentage is 100, stop the timer, and change the text as "Completed", Fig 2c.

Start**Fig 2a:** Progress bar initially**Loading****Fig 2b:** Prices of Pizza**Completed****Fig 2c:** Prices of Pizza

Partials: Initial Progress Bar (HTML,CSS) – 10Pts, Loading Part – 20Pts, Completed Part – 5Pts

Q3. (20Pts + 20Pts Bonus) Write jQuery codes that turn any ordinary html table into a formatted table with paging facility, Fig 3a. Each page shows maximum 5 rows, and a listbox is dynamically created based on the number of rows in the table. *In “q3.html”, the content of the table is given. You need to write required jquery codes that makes necessary changes to the table in this file.* If the user clicks “Format” button at the top, it changes the table. In the formatted table, the cell properties are border-bottom and border-top: 1px solid #AAA, padding: 5px, width:100px, text-align: center. There is no border spacing between cells, and grades are in blue color. In the new formatted table, you need to insert a heading row (No, Lastname, Name, Letter). The user can select the page number from the listbox, and it shows the page accordingly, Fig 3b.

Format		
Atmaca	Murat	C-
Aydın	Yasemen	C-
Bahadrlı	Murat	C
Biçe	Sencer	F
Büyükişcan	Mustafa	C-
Çelebi	Utkan	C-
Çelen	Nergis	C
Ercan	Öznur	F
Erdem	Emir	C-
Erdogan	Seyda	D
Eroğlu	Mert	C+
Ertuğ	Cem	B+
Kale	Özenç	D
Kalkancı	Abdullah	C-
Kavcı	Berna	D
Kayma	Sevil	F
Koçak	Tahsin	C-
Kösem	Emrah	C-
Muğulkoç	Ozan	D
Odabaşı	Onur	C-
Orsan	Kaya	A
Özcivelek	Can	C-
Özkayalar	Deniz	F
Parsak	Emre	C-
Selçukhan	Anıl	F
Serdar	Göktuğ	F
Sevim	Alican	C-
Sokullu	Mehmet	C
Şahin	İsmail	B+
Vuranok	Arif	C-
Yavuz	Hikmet	D
Yılmaz	Suzan	C-

Fig 3a: Ordinary (unformatted) HTML table

Page : 1 ▼

No	Lastname	Name	Letter
1	Atmaca	Murat	C-
2	Aydın	Yasemen	C-
3	Bahadırlı	Murat	C
4	Biçe	Sencer	F
5	Büyükişcan	Mustafa	C-

Page :

1			
2			
3			
4			
5			
6			
7			
18			
19			
20			

Fig 3b: Formatted table with paging.

Partials:

- 10Pts- Click “Format” and show the table with the first 5 records formatted accordingly, no paging, no listbox.
- 10Pts – Static listbox and paging. (This means the system works for only this table, page listbox is fixed.)
- 20Pts (Bonus)- Dynamic listbox and paging, (it works for any html table, row numbers are not known beforehand)