

# Web Programming II

ITS 220

## -iProject 1

Goals

Tune up your client-side web development skills and begin experimenting with simple PHP on the server.

Instructions

Create an interactive TiVo TV-Guide simulation like the one pictured here.



Notes

- Fill in the grid with your own data.
- Make up your own channels.
- Use any 90-minute time period you like.
- Make up your own color scheme.

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## iProject 1

### Instructions

#### Functional Requirements

- Display at least eight channels and 14 programs, more if you like.
- When you mouse over or click on any program . . .
- Highlight the program “block” (like yellow “Blue Crush” block, above)
- Display the description in the text window (as above)
- Display the date, time, and rating (as above)
- When you double-click on any program . . .
  - Open a previously hidden edit area on the GUI, and
  - Pre-fill the edit fields with the data from the selected program.
  - Allow the user edit the program data by providing functionality for editing all the program data fields (including the length).
  - Once the editing is complete, update the grid to display the new data.

#### Technical Requirements

- Create an object for each of your programs, and then put those objects in an array. You may not use any static text for the program data.
- **Write a PHP function on the server side that generates the channel and program data (as JavaScript) inside your HTML document.**
- The editing should be as completely bullet-proof and idiot-proof as possible. Check and validate all data entered.
- Your code must . . .
  - Separate structure from presentation.
  - Be professionally formatted.
  - Use and demonstrate best practices

#### Hints

- Careful use of input types will reduce the complexity of validation.
- Write a function to fill the grid based on your array of program objects. That way, whenever someone edits a program, all you need to do is call the display function again.
- Write an init() function to populate your (global) array of program objects and then call the display function.
- Consider a two-dimensional array: channels and for each channel, programs.

### Submitting

Upload your entire site to your directory on my server via FTP.