



**CS1320**  
***Creating Modern Web and  
Mobile Applications***

Lecture 11:

**JavaScript Frameworks Lab**

# Lab Assignment

- **Create a MadLibs game**
  - MadLibs is a phrasal template word game, frequently a party game.
  - Try it at <https://www.glowwordbooks.com/blog/category/kids-online-mad-libs/>
  - Or at <http://www.madtakes.com/>
  - Information available at [https://en.wikipedia.org/wiki/Mad\\_Libs](https://en.wikipedia.org/wiki/Mad_Libs)
- **Take as input a string with substitutions**
  - This is a [adjective] [noun].
- **Produce a web page that prompts the user to enter terms**
  - Adjective :   red                        Noun :   hand
- **Then use the inputs to produce the output mad lib**
  - This is a red hand.

# Task Details

- **Provided**

- A JavaScript file with sample mad-libs
  - Available from course lab web site
- Sample function to return the list of substitution types
- Sample function to insert substitutions from an array

- **Produce**

- A nice-looking, usable web site
  - Randomly chooses a mad-lib
  - Create an input page on the fly (use react/vue to make it easier)
  - When all inputs are entered, generate the output page
  - Let the user go back with another mad-lib
- You might want to produce your own mad-libs

# More Details

- **Designers**
  - Produce an effective, nice-looking, usable design
  - Work with a programmer if possible
  - If not, just produce a static set of pages
- **Try to get it working in class**
  - If not, get it working after class
  - You might need a semi-working version for next week's lab
- **If you have more mad-libs**
  - Mail them to the TAs to add them to the data set

# Mechanics

- **Work in teams (ideally 2-4)**
  - Preferably with one designer on the team
  - Split up the work
- **Get practice with react/angular/vue**
- **Finishing the lab**
  - Will be a big help in doing the JavaScript assignment
  - And you might be using it in next week's lab
  - Due by Friday's class
- <https://cs.brown.edu/courses/csci1320/labs/lab3/lab3.html>

# Next Time

- The Web Server