CSCI 1320
Creating Modern Web Applications
Lecture 9: JavaScript Frameworks Lab
Lab Assignment

• Create a MadLibs game
  • MadLibs is a phrasal template word game, frequently a party game.
  • See 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
    • 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, try to 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 me and I will add them to the data set
Mechanics

• Work in teams (ideally 2-4)
  • Preferably with one designer on the team

• Get practice with the frameworks from the pre-lab
  • Using these is optional, but encouraged

• Check off in class using i-clicker

• Post your working pages
  • Mail to spr+17lab03@cs.brown.edu by Friday

• Finishing the lab (if you are in class) is optional
  • But will be a big help in doing the JavaScript assignment
  • And you might be using it in next week's lab
Next Time

• The Web Server
• Preparatory Homework:
  • Take a simple web site with a known front end. List all the services that the back end has to do to make the web site work.