



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

Lecture 23

Cloud Lab

Poster Fair

Covid-19 Apps

Lab Motivation

- You will want to run your project
 - For debugging
 - For production
- Needs to be accessible to the outside world
 - For testing
 - For production
- Will want to support HTTPS as well as HTTP
- You will need a host machine
 - Typically a VM these days
 - A VM that you will need to manage (install software, manage ports, ...)

Task

- **Get a server running on a VM**
 - Either your actual server if it is ready or lab4 server (or other)
 - Keep production server running (pm2, forever)
- **Use GIT to allow collaborative work**
 - So that your whole group can work without physically meeting
 - So you can work independently as needed
- **Use GIT to update the server**
 - Want to work and test locally
 - Want to have an easy way of updating production / beta systems

Next Time

- Mobile Lab

Mechanics

- You can work in teams
 - I'd recommend using your final project teams, but this isn't required
- You are going to need
 - **Node.JS** and **MySQL** installed on the server
 - You need to be able to use the **mysql** command on the server
 - You need to be able to use the **npm** command on the server
 - You need to be able to use the **git** command on the server
- Designers
 - While there is no programming involved, if the mechanics are too much, concentrate on improving the web site

Task

- Your job is to bring up a web site on your cloud server
- As part of the pre-lab you should have a server
 - If not, get one first
- On your server do a
 - git clone <https://github.com/StevenReiss/zipsample.git>
- This should bring down a skeleton server and database
 - Follow the README instructions to get your server up and running
- You might want to improve the server in various ways