

# LAB ASSIGNMENT-1

## COURSE REGISTRATION

By,

Team no. : 3,

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Vinay Chandra Vasamsetti (class id-20)

## Overview:

To create a webpage for course registration for different students in different semesters for different subjects. Here for every course displayed there needs to be all the information regarding the course id, timings of the course and credit hours etc.,. and also an option to enroll for the course. Now if the user enrolls for the course then the number of the available seats must be reduced by one. And also a success message should be displayed as soon as the course is registered.

Now from the given requirements first the home page is designed to select accordingly the course, term and specialization. The home page looks as below:

### Home page:

The screenshot displays a web browser window with multiple tabs open, including 'My Drive - Google Drive', 'CSEE5590/490: Web/Cloud', 'Web\_Lab1.docx | Power...', and two instances of 'Course Registration'. The active tab shows a local host address: `localhost:63342/Assignment%201/index.html?_ijt=frig1h7p3b31abahkctaal7919`. The page itself has a green header with the title 'Course Registration' and a yellow main content area. Under the heading 'Search For Classes', there are three dropdown menus. The first, 'Course Career:', has a dropdown menu open showing options: 'Degree' (selected), 'Graduate', 'Undergraduate', and 'Medicine'. The second, 'Term:', has a dropdown menu with 'Term' selected. The third, 'Specialization:', has a dropdown menu with 'Stream' selected. Below each dropdown is a 'SEARCH' button. The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock indicating 9:38 PM on 6/15/2018.

As we see the drop-down boxes we can select the appropriate course career, Term and the specialization and hit the search button to see the appropriate courses present for the selection.

Now coming to the next part if have made some selection, for example graduate career, fall term and computer science specialization as shown below then I get to see the appropriate classes as shown in below pictures:

**Course Registration**

**Search For Classes**

Course Career: Graduate

Term: Fall

Specialization: Computer Science

Choose your level of education.  
Who you are? Graduate, Undergraduate  
or Medical student

Choose your term of your enrollment.  
Which semester are you enrolling for?  
Fall, Spring or Summer semester

Choose your specialization interests.  
Which stream are you interested in?  
Computers, Electricals or Dental



## Advanced Software Engineering Instructor: Yunnyung Lee



### Course Description

Software engineering goes well beyond software development. It involves understanding customer needs, planning the development process, teamwork, maintenance, and analysis and evaluation tasks, such as testing, verification, and validation. In CS 521/621, we will explore the state-of-the-art research in techniques that make analysis and evaluation of software easier. Concurrently, student groups will engage in research to push forward that state of the art. This term will cover the following topics: static, dynamic, and speculative analyses; model inference, model checking, and formal verification; bug localization; mutation and regression testing, and symbolic execution. Becoming familiar, and a part of cutting-edge research will

My Drive - Google Drive x CSEE5590/490: Web/Cloud x Web\_Lab1.docx | Power x Course Registration x CS Courses x vinyashandya

localhost:63342/Assignment%201/course1.html

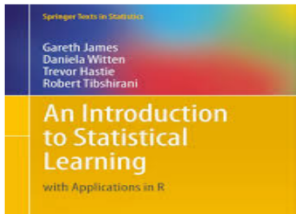
**ENROLL** a research paper describing their work worthy of submission to a research conference.

**Prerequisites:** CS550,CS440 **Credits:** 3 **Duration:** 18 Weeks

[Click here for more courses like this.](#)

## Introduction To Statistical Learning

Instructor: **Kenneth Mitchell**



### Course Description

This is an introductory-level course in supervised learning, with a focus on regression and classification methods. The syllabus includes: linear and polynomial regression, logistic regression and linear discriminant analysis; cross-validation and the bootstrap, model selection and regularization methods (ridge and lasso); nonlinear models, splines and generalized additive models; tree-based methods, random forests and boosting; support-vector machines. Some unsupervised learning methods are discussed: principal components and clustering (k-means and hierarchical). This is not a math-heavy class, so we try and describe the methods without heavy reliance on formulas and complex mathematics. We focus on what we consider to be the important

Type here to search

9:42 PM 6/15/2018

As we can see in the above images for each course along with course description there is also information about the pre-requisites, number of credits , duration of the course and also a link to see similar courses which shows output as below:

My Drive - Google Drive x CSEE5590/490: Web/Cloud x Web\_Lab1.docx | Power x Course Registration x CS Courses x Software Engineering x vinyashandya

Secure https://www.coursera.org/courses?languages=en&query=software+engineering

**coursera** Explore software engineering For Enterprise Log In Sign Up

Showing results for **software engineering**, 1,173 matches

Search for instead

Active filters: English

### Course Languages

<input type="checkbox"/> English	1145
<input type="checkbox"/> Spanish	14
<input type="checkbox"/> French	8

[Show More](#)

### Subtitle Languages


<input checked="" type="checkbox"/> English	1172
<input type="checkbox"/> Spanish	130
<input type="checkbox"/> Chinese (Simplified)	85

[Show More](#)

### All Topics

<input type="checkbox"/> Computer Science	453
<input type="checkbox"/> Business	419


### Degrees + Certificates



**Master of Computer Science**

Offered by University of Illinois at Urbana-Champaign. Deepen your computer science knowledge and accelerate your career with a top ranked computer science program for computing professionals

### Courses and Specializations



**Java Programming and Software Engineering Fundamentals**


5-course Specialization · Duke University

Type here to search

9:48 PM 6/15/2018

Now in the next part we need to be able to register for the courses and this should reduce the number of available seats and also give a success message as below.

Advanced Software Engineering Instructor: **Yunyung Lee**



**ENROLL**


### Course Description

Software engineering goes well beyond software development. It involves understanding customer needs, planning the development process, teamwork, maintenance, and analysis and evaluation tasks, such as testing, verification, and validation. In CS 521/621, we will explore the state-of-the-art research in techniques that make analysis and evaluation of software easier. Concurrently, student groups will engage in research to push forward that state of the art. This term will cover the following topics: static, dynamic, and speculative analyses; model inference, model checking, and formal verification; bug localization; mutation and regression testing, and symbolic execution. Becoming familiar, and a part of cutting-edge research will constitute a major part of this class. There will be three research aspects of the class: The lectures and assignments will draw on the latest research in software engineering. The students will, either individually or in pairs, engage in reading and presenting to the class existing research from recent premier conferences and journals. The students will summarize the work in writing and in a class presentation, and will lead a class discussion. The students, either individually or in groups of up to four, will engage in a term-long project to advance the state of the art of one of the above topics. The students will identify a shortcoming of today's techniques, review the relevant literature, develop a novel technique that addresses the shortcoming, and evaluate the technique against the state of the art. Finally, the goal is for students to write a research paper describing their work worthy of submission to a research conference.

**Prerequisites: Credits: 3 Duration: 18 Weeks**

Advanced Software Engineering Instructor: **Yunyung Lee**

### Course Offered



### Course Description

Software engineering goes well beyond software development. It involves understanding customer needs, planning the development process, teamwork, maintenance, and analysis and evaluation tasks, such as testing, verification, and validation. In CS 521/621, we will explore the state-of-the-art research in techniques that make analysis and evaluation of software easier. Concurrently, student groups will engage in research to push forward that state of the art. This term will cover the following topics: static, dynamic, and speculative analyses; model inference, model checking, and formal verification; bug localization; mutation and regression testing, and symbolic execution. Becoming familiar, and a part of cutting-edge research will constitute a major part of this class. There will be three research aspects of the class: The lectures and

My Drive - Google Drive x CSEE5590/490: Web/Cloud x Web\_Lab1.docx | Power x Course Registration x ASE x vinayachandir

localhost:63342/Assignment%201/ase.html

**ENROLL**

**Seats Available:** 30

**Classroom:** RH 201

**Hours:** Mon-Wed 2.30 - 3.45

**Course Ratings:** ★★★★★

**Instructor Ratings:** ★★★★★

### Student Reviews

**Jessica Waters - Fall 2016**  
Shee's absolutely awesome at teaching but sometimes the course matter seems a little bit rushed. This is a rare occurrence but I did find myself hung up a couple of times due to this.

**Luke Sayers - Spring 2016**  
I wish I could provide constructive criticism, but I can't. Absolutely fantastic.

**Sadanand Kallakuri - Fall 2017**  
great teacher, great class. You could tell she genuinely cared about making the material interesting and

Type here to search

9:51 PM 6/15/2018

My Drive - Google Drive x CSEE5590/490: Web/Cloud x Web\_Lab1.docx | Power x Course Registration x ASE x vinayachandir

localhost:63342/Assignment%201/ase.html

**ENROLL**

**Seats Available:** 29

**Classroom:** RH 201

**Hours:** Mon-Wed 2.30 - 3.45

**Course Ratings:** ★★★★★

**Instructor Ratings:** ★★★★★

✕

You are successfully enrolled into the course.

**Jessica Waters - Fall 2016**  
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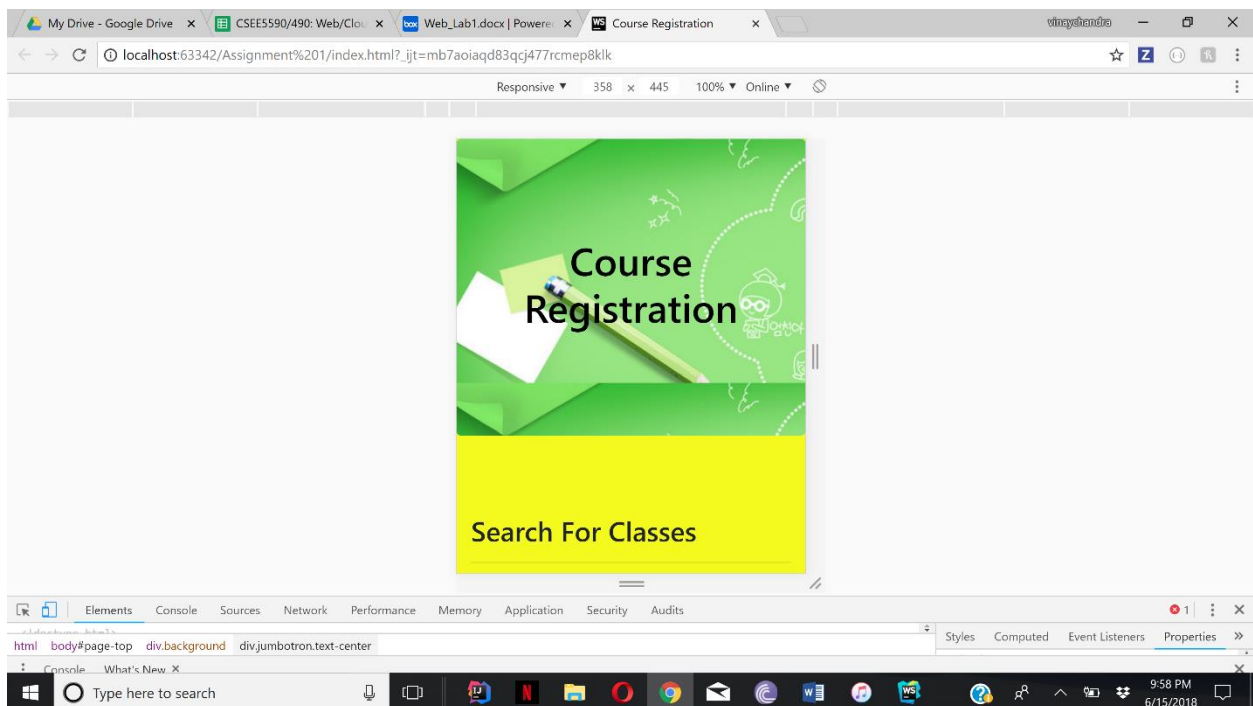
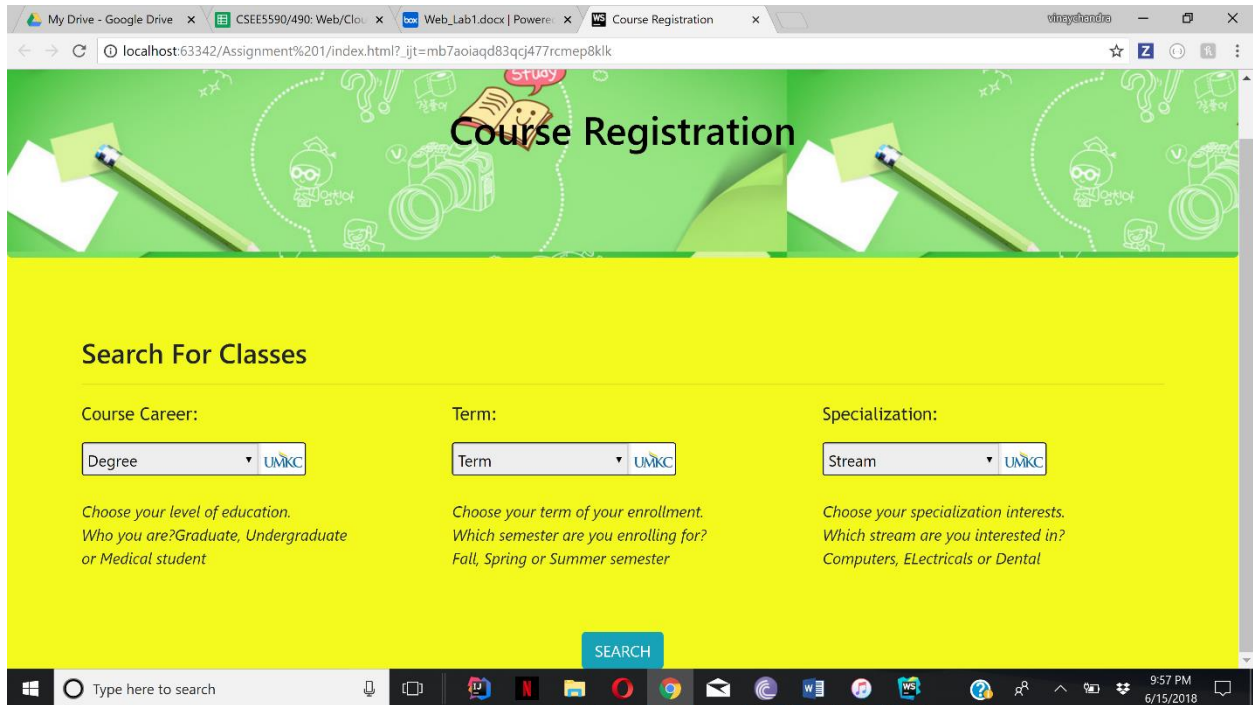
Type here to search

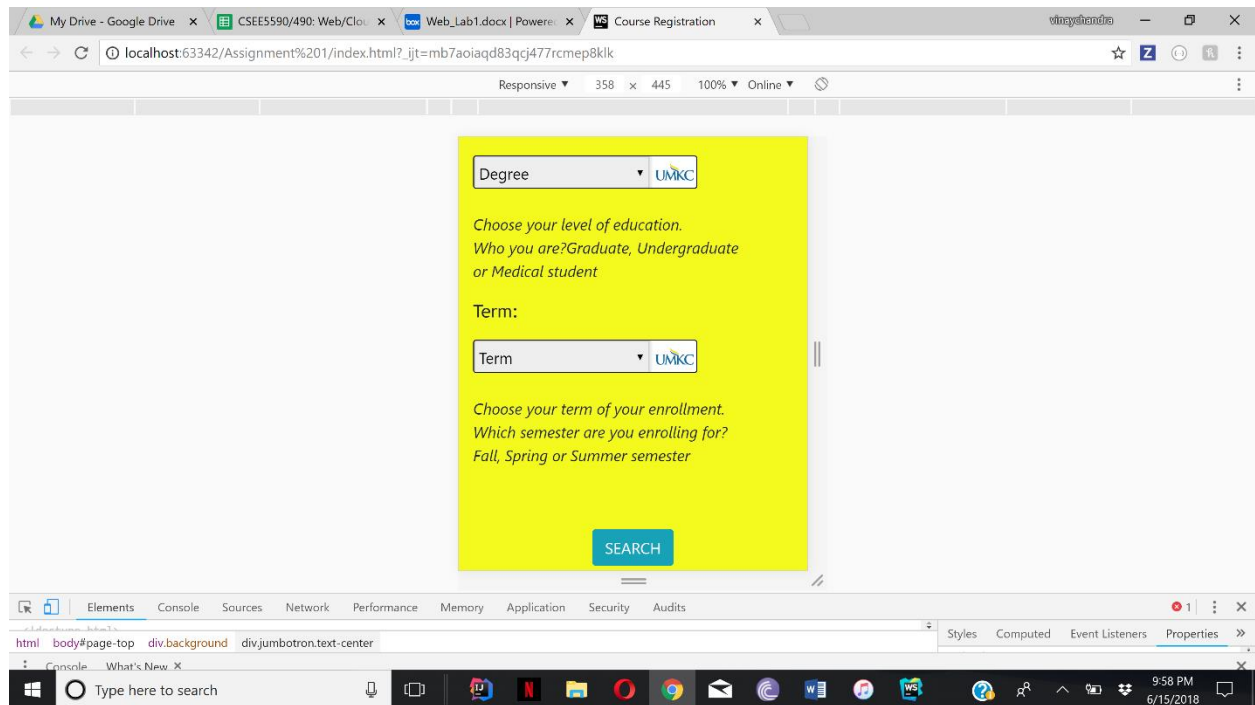
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We can see that once we hit enroll in courses list page we are redirected a course specific page which shows more information regarding courses such as available seats, classroom, hours, rating etc.,. here now if we hit the enroll button then we get a success message as a pop-up then immediately after that we can see that the number of seats for the course reduce from 30 to 29.



This website is also responsive as all the pages are styled using bootstrap. And the responsiveness of the pages can be seen in the below images.





We can see that the website also works fine in the mobile view along with the regular system view.

The code logics used can be found below:

```
Assignment 1 [C:\Users\wina\WebstormProjects\Assignment 1] - ...index.html [startbootstrap-stylish-portfolio-gh-pages] - WebStorm
File Edit View Navigate Code Refactor Run Tools VCS Window Help

Assignment 1 index.html
medcourses.html x course1.html x daa.html x ase.html x try.css x Cardiology.html x index.html x

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27 <!-- Header -->
28 <div class="jumbotron text-center">
29 <h1>Course Registration</h1>
30 </div>
31 <br>
32 <br>
33 <div ng-controller="Coursecontroller">
34 <div class="container">
35
36 <h3>Search For Classes</h3><br>
37 <div class="row">
38 <div class="col-sm-4">
39 <p style="font-size: large;font-family: 'Trebuchet MS'">Course Career:</p>
40
41 <div class="styled">
42 <select id="list1" accesskey="target">
43 <option value="none" selected>Dogrock</option>
44 <option value="grad">Graduate</option>
45 <option value="ug">Undergraduate</option>
46 <option value="med">Medicine</option>
47 </select>
48 </div><br>
49 <p><i>Choose your level of education.<br>Who you are?Graduate, Undergraduate <br>or Medical student</i></p>
50 </div>
51 <br>
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html > body#page-top > div.background > div.jumbotron.text-center
6 TODO Version Control Terminal
Type: In word 'jumbotron'
Model Console 28:22 LF UTF-8 Git: master
Type here to search 10:01 PM 6/15/2018
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Assignment 1 [C:\Users\wina\WebstormProjects\Assignment 1] - ...index.html [startbootstrap-stylish-portfolio-gh-pages] - WebStorm
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Assignment 1 index.html
medcourses.html x course1.html x daa.html x ase.html x try.css x Cardiology.html x index.html x

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87 </div>
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93 <script>
94 function nn() {
95     var a = document.getElementById("list1").value;
96     console.log(a);
97     var b = document.getElementById("list2").value;
98     console.log(b);
99     var c = document.getElementById("list3").value;
100    console.log(c);
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107 if ((a == 'grad' || a == 'ug') && (b == 'fall' || b == 'spr' || b == 'sum') && c == 'cse') {
108     window.location="course1.html"
109 }
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111 if ((a == 'med' && (b == 'fall' || b == 'spr' || b == 'sum') && c == 'den') {
112     window.location="medcourses.html"
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html > body#page-top > div.background > div.jumbotron.text-center
6 TODO Version Control Terminal
Type: In word 'jumbotron'
Model Console 28:22 LF UTF-8 Git: master
Type here to search 10:02 PM 6/15/2018
```

```
Assignment 1 [C:\Users\wina\WebstormProjects\Assignment 1] - ...course1.html [startbootstrap-stylish-portfolio-gh-pages] - WebStorm
File Edit View Navigate Code Refactor Run Tools VCS Window Help

Assignment 1 course1.html
medcourses.html x course1.html x daa.html x ase.html x try.css x Cardiology.html x index.html x

jumbo
2 matches

61
62 <!--course 1-->
63 <div id="textbox">
64 <h2 class="alignleft">Advanced Software Engineering</h2>
65 <p style="..." class="alignright">Instructor:<b>mark>Yunyun Lee</mark></b></p>
66 <br><br>
67 </div>
68 <div style="..."></div>
69 <div class="container-fluid">
70 <div class="row">
71 <div class="col-sm-4">
72 <a href="https://www.coursera.org/courses?languages=en&query=software+engineering" target="_blank">
73 
74 </a>
75 <br><br><br><br><div align="center" class="button1">
76 <button type="button" class="btn btn-success" onclick="course5()">ENROLL</button>
77 </div>
78 </div>
79 <div class="col-sm-8">
80 <h4>Course Description</h4>
81 <p>Software engineering goes well beyond software development. It involves understanding customer needs, planning the development process, teamwork, m
82
83 Becoming familiar, and a part of cutting-edge research will constitute a major part of this class. There will be three research aspects of the cla
84
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So,

The above code is responsive and a user friendly page that can be used for course registration in which we can register for courses as well as see similar courses with one click.