CRITICAL PATH

J2EE Web Component, ITE5332, Fall2019

The Critical Path is the calendar, timeline or weekly course schedule. It is an important document that lays out weekly objectives that you, the student, are responsible for to ensure academic success. You are strongly advised to print out a copy of the Critical Path and to refer to it regularly.

Modules	Topics and Readings	Activities	Weight
1 Sep 2 (Public Holiday) Makeup Sep 11	• Introduction to Java EE Web Components • Compare Web Technologies • Web Application Essentials • Set up required tools (Tomcat + Eclipse) • Developing a sample Servlet	• Class Activity	• 1%
2 Sep 9	• J2EE architecture • How to develop a Java Web Application • Deploy the example project • Describe Java servlet technology • Describe the HTTP headers and their function • Explain the request and response process • Handling Form Requests in Servlets • Use HTML forms to collect data from users and send it to a servlet • Understand how form data is sent in a HTTP request	• Class Activity	• 2%

Modules	Topics and Readings	Activities	Weight
3 Sep 16	• Understand the lifecycle of a servlet • Understand the threading model of servlet • Provide a Java class that extends the HttpServlet abstract class to respond to requests from the client browser	• Class Activity • Assignment(1)	• 2% • 4%
4 Sep 23	• Introduction to JDBC • Introduction to MySQL workbench • Steps for using JDBC to execute a SQL statement. • Implement a servlet that retrieve form data and interact with database using JDBC.	• Class Activity • Assignment(2)	• 3% • 4%
5 Sep 30	• Servlets Database Access • Steps for using JDBC to execute CRUD SQL statements. • Implementing security in J2EE web application • Review	• Class Activity	• 2%
6 Oct 7	• Test 1	• Test 1	• 15%
Oct 14 (public holiday) <mark>Makeup Oct 16</mark>	• Introduction to JSP • Implement a JSP page that retrieve form data and interact with database using JDBC	• Class Activity • Assignment(3)	• 2% • 3%
Oct 21	• *Reading Week / No Class*		

Modules	Topics and Readings	Activities	Weight
7 Oct 28	• Use JSP Standard Tag Library (JSTL) tags in a JSP page • Developing JSP pages by using custom tag • Design a web application using custom tags	• Class Activity • Assignment(4)	• 3% • 5%
8 Nov 4	• Configure a JSP to use tags from the JSTL • Review	• Class Activity	• 2%
9 Nov 11	• Test 2 or Project	• Test2	• 15%
10 Nov 18	• Describe MVC architecture. • Implement controller using a servlet. • Implement view using JSP.	• Class Activity • Assignment(5)	• 2% • 4%
11 Nov 25	• Component based MVC framework • Describe the J2EE security model	• Class Activity • Assignment(6)	• 3% • 5%
12 Dec 2	• Describe how to use JavaBeans. • Implement JavaBeans.	• Class Activity • Assignment(7)	• 2% • 5%
13 Dec 9	• Review	• Class Activity	• 2%
14 Dec 11	• Final Exam	• Final Exam	• 15%
Summary			**weight**
Total for Lab Activity			**25**

Modules	Topics and Readings	Activities	Weight
Total for all Assignments			30
Tests			45
TOTAL			**100**