ITC 250/CPET 499 Web Systems
Hw 6 – Final Project Proposal
due
Nov. 8, Tuesday before 3:00 PM
Team Assignment
(with 2 students forming a team; you can work alone if no team member is found)

Project Ideas
1. Web Site and Web Systems for
   - Commercial Site
   - Informational
   - Entertainment
   - Community
   - Social media
2. Web site and Web system for E-Commerce, Social Commerce, M-Commerce, E-Business, Applications: Portals, B2B, B2C,
   - Marketing and Sales
   - Supply Chain Management
   - Internet Retailer
3. Internet/Web-based Monitoring and Control Applications
   - Home Energy Utilization Monitoring and Display
   - Home Security System with Video and Audio
   - Web System for Smart Devices – Internet of Things (IoTs)
4. Social Networking and Media Applications

Web System Design and Demo System Testing
- System Objective, Alternatives, Constraints
- System Analysis {Use cases}
  o Scope
  o Problem analysis
  o Requirements analysis
  o Architecture design (logical design)
  o Decision analysis
- System Design
  o System Performance Specifications
  o System Cost Estimation
  o Hardware Configuration/Software Design
- Coding and Testing
- System Integration Testing
- Demonstration

Hw 6 Team Assignment Activity – Proposal Preparation

Project Selection
- Choice 1: When you consider your project that related to Project Ideas [1] and [2]:
  Select an e-commerce/retail company. Visit its Web site and describe its business model based on the information you find there. Identify its customer value proposition, its revenue model,

the marketspace it operates in, who its main competitors are, any comparative advantages you believe the company possesses and what its market strategy appears to be. Also try to locate information about the company's management team and organizational structure. (Check for a page labeled "the Company," "About Us," or something similar).

- Choice 2: Internet/Web-Based Monitoring and Control Applications – Visit Best buy, Home depo, etc for the information on home automation and monitoring control devices; then formulate your project based on those devices.
- Other Choices

Project Requirements
- The selected final project should include the use of the following programming language/tools
  - HTML (forms for user interactions), CSS
  - Client side script: JavaScript
  - Server-side script: PHP
  - MySQL database and data tables

Project Proposal due Nov. 8, 2016
The Project Proposal in Microsoft Word file format should include
- Title, team member, contact info
- Executive Summary
- Introduction
- The Problem and Proposed Solution
- System Overview (with Visio drawings)
- Tentative Project Schedule (Use spread sheet) – time and cost estimation
- Conclusion