**Web Programming Languages - Final Project**

October 5, 2015

Each project should include following major functionalities:

* User signup: Register a new user to the system.
* Check the new username or email address if it’s already registered to the system using AJAX.
* Form validation: Check if all mandatory fields are filled out. (JQuery)
* Check if password is strong enough. Define the rules of having a strong password. (JQuery)
* User login
* List available products / services in the system. User should be able to filter the results based on at least one criterion (i.e. category). Also, should be able to “Search” for a specific item.
* Add item(s) to the cart and checkout. For the online shopping sites, pricing will be included but payment functionality doesn’t need to be implemented.
* Show the history of items for the user.
* For Admin user(s):
  + Add new item
  + Delete item
  + Update item

Project Report should include following items:

* Project Title
* Name for the Website
* Project Description: a brief description of the website. If you make any assumptions, make sure to include those assumptions.
* Database Design: Database structure including the tables and primary and foreign key definitions on tables. Alternatively, you can include your “Create Table” statements for this.
* Languages/frameworks used for implementation: You can use PHP or Ruby on Rails for server side scripting but cannot use any plugins. You are allowed to use templates, plugins or frameworks for client side scripting (i.e. Bootstrap) and you can use design tools for design of your web pages (i.e. FrontPage, Dream Weaver).
* Screenshots for main functionalities (5-6 screenshots will be sufficient)
* Team Members: Names and Net-IDs for team members
* Work division among team members: who has completed which part -- be specific and try to give page names as much as possible. Please note that every team member should be actively involved in every step of the project development (database design, client-side and server side scripting) and work should be equally divided between team members.