**Computer Scince and Engineering iLab 2014-2015**

**Proposed Project Detailed Description**

The following pages are a guideline for your proposed iLab project detailed description. This document is only a guideline to help you think through the information needed to be submitted in a detail project description to iLab. The detailed description of the project is attached to the iLab Agreement as the “Exhibit A – Statement of Work” when it is signed. The resulting project description document is typically one to three pages long and contains an explanation of the project with some business justification, background information, high-level expectations, and any other supporting or overview information you feel necessary. This would give us a better understanding of the expectations for your project to help us plan for the fall as well as help you prepare for the start of the project. This document is also used to describe your company and project to the iLab students on the first day of class. From these project descriptions, the students indicate their preferences for team assignment. It is beneficial for you to have a project description with enough detail to get the students interested in working on your project.

Not all sections of this guideline may be applicable for your specific project, topic, or organization. You should feel free to add, move, rename, consolidate, or remove sections to best fit your needs and your project’s description. Also, keep in mind the actual scope of the project is negotiated between you and the student team during the beginning phases of the project and adjusted as more is learned throughout the year.

We want to make sure that this venture benefits both the students and your organization as much as possible. We evaluate the projects roughly using the following criteria:

* Education value to students
* Interest to students
* Ability to have closure in an academic school year
* Relative independence from your staff, systems, and resources
* Innovative value to computer science and business
* Measurable impact for your organization
* Publicity value to the Raikes School and your organization

**Project Description – Client Name**

*Above, title your project and put your organization’s name.*

**Project Overview**

*The Bovine Myology Website provides the authoritative source for understanding muscular anatomy in cows and cattle, and provides additional data on chemical and physical properties of individual muscles. With that data, butchers and meat packers can define new cuts of beef, and train individual butchers in the best way to cut and package a side of beef.*

*The site supports five different languages, and has had over 2 million visits this year alone. It needs to be updated, and this project weill provide those updates.*

**Client Background**

*The National Cattlemen’s Beef Association (NCBA), and it’s board and the USDA are the approving authority for any updates to the web site. The web asite is hosted at the University of Nebraska Lincoln.*

**Project Stakeholders**

*Dr. Steven Jones of the Animal Sciences Department at UNL (402-472-5566, sjones1@unl.edu) is the primary local stakeholder and is the lead for the development using funding provided by the NCBA. Collaborators are Dr. Ashu Guru of thew Raikes School (402-472-5784, aguru2@unl.edu) and Mr. Vishal Singh of the Educational Media at UNL (402-472-7856, vsingh2@unl.edu)*

**Current System Overview**

*The current system is housed at the Educational Media site on East Campus. It will be moved out of the east campus and be hosted on the UNL servers for external access. Content management of the current site is managed locally within the East Campus Server Farm. This effort will require a more convenient method to access and update content under the UNL processes for content control.*

**Proposed System/Scope**

*The project will involve two primary efforts. First the team must define the new target environment involved with the move from the East Campus Servers to the City Campus. Versions of software that are available at the two sites are different. The team must identify what features will need tweekiing to make the rehost possible.*

*Second effort will be to add products for smart phone and tablet access. In the process of doing this, the team must identify the products that the site currently supports, and with coordination with Dr. Jones, identify the content update needs, establish a procedure for Dr Jones to coordinate with the UNL campus IT department ot update content downstream, and especially the process for validating the user facing content prior to taking any content updates on-line.*

**Scope of Work**

*The first effort, to identify the rehost requirements and rehost the software must be done prior to the fall break. The second task, to provide iOS, Android and Tablet products must be defined by the fall break, and developed by the end of the fall semester.*

**High Level Architecture Requirements (Technical Specifications)**

*This is governed by the UNL campus Server farm.*

**Expected Deliverables from Project Team (iLab Provides)**

*In addition to the software, the team must develop a method of content management for the site. The content manager of the site must be accessable from inside the campus, and any updates must go through rigorous testing prior to launch.*

**Supporting Materials (Client Responsibilities and Provisions)**

*Dr Jones will be provide the content. Mr Singh will provide you the server requirements and the current software.*

**Communication Plan**

*Follow the standard establisahed by Design Studio.*

**Challenges**

*The challenge will be ti rehost the software onto the expected server environment and understand all the features that are on the site within the first few weeks of class.*

**Client Contact Information**

*All the contact information is provided in the Stakeholders. You primary contact will be Mr Singh.*