City University of Seattle

Registration System
Project Proposal

Provided by

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City University CS 600 Applied Research/Capstone Course
Spring 2007   Barbara Endicott-Popovsky

Revision History			
Date	Version	Description	Author
April 25, 2007	0.1	Initial In-House Draft	K. McGaughey
April 27, 2007	0.2	Revisions for Inconsistencies within document	K. McGaughey
April 28, 2007	0.3	Revisions for Readability	K. McGaughey
April 29, 2007	1.0	Initial Draft for Customer	K. McGaughey

Table of Contents

I. Summary

Presented within this document is a proposal to City University for a web-based course registration system that provides the user with features necessary for quick and easy access.

- Codemutt.com is a web development company specializing in custom websites, incorporating client and server requirements to deliver quality end products that exceed our customer's requirements

- In this proposal, we explore the requirements of this project, define the scope of the project and determine a course of action to deliver the product on time

II. Introduction

Codemutt.com is pleased to present the following proposal for your consideration. In response to the request for proposal, this proposal defines the features requested, presents the assumptions and conclusions regarding the project, and the overall scope of the project.

• Background

City University of Seattle is one of the Northwest's largest, private, not-for-profit universities with over 40,000 graduates worldwide. For over 30 years, we've helped people just like you change their lives by providing quality education in the most convenient manner possible.

The University awards degrees and certificates at the undergraduate and graduate levels in dozens of academic fields, and offers a varied and extensive program of continuing education. It also conducts a worldwide Distance Education program to better serve those who need or prefer to study for their degrees at home.

City University of Seattle is incorporated in the State of Washington and holds regional institutional accreditation from the Northwest Commission on Colleges and Universities. The University's undergraduate and graduate business degree programs are accredited by the International Assembly for Collegiate Business Education.

• Statement of Work

For City University, design a system that will assign courses and professors to classrooms each term; then, assign students to those courses based on priorities given to seniors and those in major tracks; publish class rosters for each classroom and a report showing which professors will be assigned where. Information produced by this system should be accessible on line.

III. Needs

City University has determined that the current system of student registration, instructor assignment, class room assignment and course assignment, is ineffective, time consuming, and incapable of supporting the increased student and course load that City University is experiencing. As such, City University wants to implement a new online system that completes the following functions:

- Allows for an automated course assignment to available classrooms

- Allows for an automated assignment of instructors to courses based upon ability and availability

- Allows for an automated assignment of students to courses based upon seniority and concentration

- Allows for the production of class rosters

- Allows for the production of course/classroom listing

- Is available on-line

IV. Goals/Objectives

The desired result of this project is an on-line system that allows for quick and easy access to a university database that enables each sector of the university populace to accomplish the tasks that they need for completing the registration process and organizing the classes and courses within the confines of the university, instructor, and student limitations.

V.   Scope of Work

A project of this nature presents a very large undertaking. To limit the scale and time required for this project, the scope of this project has been trimmed to provide only those items required to meet the requirements of this course.

The focus of this project will be to develop an on-line class registration system available to City University students, instructors, and administrators that provides full functionality within the constraints of the Statement of Work.

- A web interface that is both user friendly, accessible, and aesthetic

- Allows administrators to add/change/delete the classes for a term, add/change/delete instructors and their information for the term, add/change/delete classrooms for the term

- Allows students to view courses being offered for a term, add/change/drop a course for the term

- Allows instructors access to class rosters

VI.   Deliverables

Based upon the scheduled completion date of the project, the following items will be delivered as shown and will be measured as inch-pebbles towards the project delivery.

Deliverable	Description of Work	Delivery Date
Project Proposal	Presents background, scope, customer needs, business rules, and assessment criteria.	April 29, 2007
Technical Specifications	Software engineering layout of the system. Includes interfaces, objects, modules, pieces, etc.	May 20, 2007
User Guide	An end user's guide to using the system. How things work, how to use the system, etc.	June 10, 2007
Assessment Report	An overview of the whole project, managerial and technical lessons learned, measurement of application against assessment criteria, suggestions for future work.	June 17, 2007
Engineering Notebook	An accurate overview of the project activities.	June 17, 2007
Application	The final product.	June 17, 2007

VII. Requirements

The following are required functions that the project must provide:

Student functions:

- Securely log onto the website

- View an available course listing

- Add, change or drop a course

- View a course schedule

Instructor functions:

- Securely log onto the website

- View a course roster

Administrator functions:

- Securely log onto the website

- Add, change or delete a course

- Add, change or delete an instructor

- Add, change, or delete a student

- View an available course listing

- View a course to classroom listing

- View a course to instructor listing

- View a course schedule

VIII. Business Rules/Assumptions

The business rules and assumptions that this project will be based upon are:

- Access to this site will be via the internet

- Access will be available around the clock except for scheduled maintenance

- Access will be limited by password controlled functionality

- The administrator will select the courses for the term

- Courses will only be offered once per term

- Not all courses will be offered each term

- Each classroom will host only one class per term

- Each instructor will teach only one course per term

- Each student can only take one course per term

- Each course will have an instructor and classroom assigned before students can be assigned

- Students who are seniors or in the major concentration will have priority for degree required courses

- Only pre-registered students and instructors will be allowed to access the system

- Various reports will be made available; class rosters, course lists, classroom lists …

IX.   Assessment Criteria

The success of this project is dependent on how well resulting application meets the requirements set forth in this document. In addition to the requirements listed earlier, the system should meet the following requests:

- The interface should maintain a consistent feel and look

- The interface should be easy to navigate

X.   Next Steps

This document should meet all requirements of the customer. In the event that other requirements are necessary, this document will be revised to meet the new requirements. Once this document is accepted, only those requirements listed within shall be used to measure the success of the application.

- Acceptance of this document by the customer

- Revisions as required to meet customer acceptance

- Deliverables as per this document

XI. Appendix

These documents and publications were used in the preparation of this proposal.

Endicott-Popovsky, B. (2007). *Online Intro Letter CS600a.doc*. City University, Bellevue, Washington.

Lynch, P.J., & Horton, S. (2001). *Web Style Guide, 2nd Edition*. Yale University Press, New Haven, Connecticut.

Nielsen, J. (2000). *Designing Web Usability*. New Riders Publishing, Indianapolis, Indiana.