## Project Scope using a Project Data Sheet

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| Project Name: Student Information System | | | | | Project Leader: Catherine Do |
| Project Start Date: 2/22/2016 | | | | | Project Manager: Noemi Quezada |
| Clients: | | | | | Executive Sponsor: Dr. Bing Cong |
| Students  Professors  Administrative Staff | | | | | Development Team:  Noemi Quezada  Catherine Do  Holly Do  David Jew |
| Quality Objectives: |
| * User information is secured * System incorporates a standardized quality assurance testing regiment * UI & UX follows best practices and ease of use guidelines for design |
| Performance Guidelines: |
| Project Statement: | | | | | * Able to handle loads 3x the amount of peak usage * Maintain a latency rate of < 3 seconds |
| The objective is to build a web-based student information system that includes course schedule maintenance, student course registration, grade reporting, graduation checks, student and professor management. The system needs to be operational by May 15, 2016 and needs to cost less than $100,000. | | | | | Architecture Guidelines: |
| * Integrate seamlessly with internal or external servers * Utilize the latest mature web standards for clients, the web application and relevant server code |
| Business Objectives: | | | | |
| 1. Less paperwork 2. Increase accessibility 3. Ease of management 4. Reduce cost | | | | |
| Trade-Off Matrix: | | | | |
|  | Fixed | Flexible | Accept | Target | Major Project Milestones: |
| Scope | X |  |  |  | Process definition 03/01/16  Project planning 03/18/16  Sprint 1 -3 05/02/16  Summary report 05/13/16  Project completion 05/15/16 |
| Schedule |  | X |  |  |
| Cost |  |  | X |  |
| Project Delay Cost per Month: $65,000 | | | | |
| Exploration Factor: 7 | | | | | Issues and Risks: |
| Capability: | | | | | * Web frameworks may contain unforeseen performance issues or bugs * Integrating the class, student, professor and administrative databases might lead to migration issues or conflicts * Security issues might arise after querying multiple databases over different platforms, which would necessitate a standardized testing regiment (ISO/IEC 27001:2013) or additional standards * Adding functionality for student, professor, administrative and system management would require it’s own separate testing and evaluation * Different use cases might lead to varying levels of progress for base-level application and/or server integration |
| Student Management   * Register for classes * Drop classes * View class schedule * View current schedule of registered classes * View previous history * Grade and course notifications | | | | |
| Professor Management   * Drop student * View student information * Enter grades | | | | |
| Administrative Staff Management   * Add new students or professors * Assign passwords * Removes student or professor authorization * Enter class schedule and course descriptions * Enter list of courses for degree majors | | | | |
| System Management   * Update student grade level * Perform graduation checks * Produce transcripts, course history, and grades * Enforce prerequisites | | | | |