1. **System Objective**

A computerized system to process information about students, programs and courses is required to replace the current paper based approach.

1. **Project Roles/Responsibilities**

Client Staff

* Matt Townsend – Chair RV Committee – Project sponsor and contact, responsible for providing information and for approving deliverables

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Technical Staff

* Dr. John Akinyemi – Project Advisor, responsible for advising the team

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* Md Abdus Sadeque – Developer, responsible for systems analysis, design and development

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1. **Business Benefits**

The new system will:

* Reduce the time needed to fill in forms.
* Improve the accuracy of information gathered through computerized validation.
* Accelerate searches for information about students, programs and courses.
* Reduce the amount of paperwork that needs to be filed.
* Reduce the length of time students must wait in line at peak periods.
* Reduce the duration of student phone calls.

1. **Requirements**
2. **Functional Requirements**

| **Event** | **Source**  **Actor** | **Use Case**  **ID** | **Use Case**  **Name** | **System**  **Response** | **Destination**  **Actor** |
| --- | --- | --- | --- | --- | --- |
| A new school is opened | Clerk | UC01 | Add School | Add confirmation displayed | Clerk |
| School information changes | Clerk | UC02 | Update School | Update confirmation displayed | Clerk |
| A school is closed | Clerk | UC03 | Delete School | Delete confirmation displayed | Clerk |
| A new program is started | Clerk | UC04 | Add Program | Add confirmation displayed | Clerk |
| Program information changes | Clerk | UC05 | Update  Program | Update confirmation displayed | Clerk |
| A program closes | Clerk | UC06 | Delete Program | Delete confirmation displayed | Clerk |
| A new course is offered | Clerk | UC07 | Add Course | Add confirmation displayed | Clerk |
| Course information changes | Clerk | UC08 | Update Course | Update confirmation displayed | Clerk |
| A course is cancelled | Clerk | UC09 | Delete Course | Delete confirmation displayed | Clerk |
| A person applies for admission | Applicant | UC10 | Apply Online Admission | Application confirmation | Applicant |

1. **Non-functional Requirements**
   * + The system must be easy for new employees to learn and use
     + The system must be available 99.9% of the time
     + Response time must not exceed 5 seconds
     + The system must be backed up daily
2. **Project Critical Success Factors**

* The project sponsor must approve deliverables and make decisions in a timely manner.
* The project contact must be available to answer questions at least one day a week
* The technical staffing level must not drop

1. **Preliminary Technical Architecture**

* Development environment: C#, Visual Studio, ASP.NET
* Client: PCs running Windows 7
* Server Operating System: Microsoft Server 2008
* Database: Microsoft SQL Server 2008
* Web server: IIS

*Network Diagram Sample:*