

## Project Review

Project Title:  
Student Database  
Management System

Faculty: KSH  
Course : CSE 311

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## **Overview**

This project is very focused and could be easily implemented for any University. This is all about a student database management system. It keeps all information of the students, Instructors, Teaching Assistants, Course, Course section and club. Detailed overview could be found in the user's manual.

## **Objective**

The objective of this project is to build a database management system with two subsystems. One is normal application and another is web application. The feature includes viewing many information including personal information, current status, messages. Details of features are included in the user's manual.

## **Action Plan**

The plan to succeed in this case is pretty robust. The process follows the standard development lifecycle.

- First thing to start is to define the functionality or scope of the system.
- After defining that- design patterns or approaches should be considered.
- According to the design approach or pattern, set of inputs and outputs should be defined.

- Modeling the data persistence is one of the most important thing to consider.
- Next step is modeling the system by drawing flow charts, Entity set designation, Relationship set designation drawing ERD etc.
- Code writing.

### **Project Findings**

This project was really helpful to understand the Database management system of an academic institution. Specially, the relational paradigm was really something to mention about. That is the ultimate strength of relational database.

Despite of web applications being really dynamic and flexible, it involves outside threats. So, the system's security is very important and should be taken care of.

### **Acknowledgement**

It would not be possible to complete this project without the help of few persons. Specially, our instructor KSH was the key point for this success.

We would also like to thank our beloved friends royal, sonia, ibrahim, fahim and sutopa rubaiyath.

Books I followed for this project –

1. Database System Concept by Korth.
2. Advanced JAVA how to program by Deitel & Deitel.
3. Course Servlets & JSP (enterprise ed.) by Marty Hall.