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1.0 Introduction

Our project entitled “Project Tracking System” is an intranet web application product designed to manage the details of students academic projects carried out in our college

1.1 Purpose

This Project could be used to manage the details of projects done by the students in various academic years, the admin could generate the reports of project details according to year, guide etc which in turn helps the college staffs to guide the new students regarding project activity.

1.2 Scope

Junior students of college could refer these projects and improve them by adding extra features to the existing projects, in existing system the details are managed manually which may cause the repetition of the projects the project guides could keep track of the projects guided by them, HOD of the department could trace the overall activity.

1.3 Definitions, Acronyms and Abbreviations

- **HTML(Hyper Text Mark-up Language) :** It is used to create static web pages
- **PHP**(Hyper Text PreProcessor**) :** It is used to create dynamic web content
- **J2EE(Java 2 Enterprise Edition) :** It is programming platform, belonging to the java platform, which is used for developing and running distributed java applications
- **Mysql5.0 :** It is a database management system that provides a flexible and efficient database platform to raise a strong on demand business applications
- **HTTP(Hyper Text Transfer Protocol) :** It is a transaction oriented client/server protocol between web browser and a web server.

1.4 References

Java 2: The Complete Reference

By Patrick Naughton and Herbert Schildt.

Java 6: By Sams Teach Yourself

Database System Concepts: by Korth and Sudarshan

Web Technology & Design: By C.Xavier

1.5 Technologies to be used

- **PHP** Application architecture.

1.6 Overview

This project is mainly designed to manage the project details carried out by the students of various academic years.

Here the details of projects are presented according to the technology used, academic year and according guide also.

An easy to use interface has been developed using HTML and java script, the database has been managed using mysql, Apache web server has been used and server side scripting is done using PHP.

Here students could login to this application after having registered while registering they will be given a unique user name and password, the could search the projects according to technology used and academic years.

Guides could login with there username and password they could edit the details of projects which are being guided by them.

Admin has more privileges' on data base.

2.0 Overall Description

2.1 Product Perspective

Our project entitled "Project Tracking system" is a web application product, which is being developed to meet the tasks given to us.

Using our software product it is possible to manage all the academic projects the features such as generating reports according to technology used, year, guide etc would make product more beneficial to students as well

as higher authority of the department such HOD. Using this product organization could keep track of all the projects and give proper idea regarding project work to new students.

2.2 Software Interface

Operating System	:	Windows xp
Languages	:	PHP
Front End	:	HTML, JavaScript
Web Servers	:	Apache Web Server
Backend	:	My SQL 5.0
Browser Program	:	Googe Chrome

2.3 Hardware Interface

Processor	:	Pentium III or higher version
RAM	:	128 MB
Hard disk	:	20 GB
Monitor	:	14 inch
Mouse	:	Normal mouse
Keyboard	:	Normal keyboard

2.4 Product Functions

- Admin of the product could see all the project lists according to guides allocated, technology used and year
- Admin could assign unique username and password to each guide using them guides could login to their account and mange their projects.
- Students could create their account and login to this product to get more information about projects done.

2.5 User Characteristics

Here user of the products are Admin(HOD), Guides(Lectureres) and Students Students could collect the required information from this product after having registered. The could get information such projects done so for according to technology used and year. They could improve the existing project after getting the information.

Guides could see details of projects which have been developed in their supervision and further they could guide the new students.

Admin could monitor all the activites.

2.6 Constraints

- To get the details of projects students must have an account
- To login to guides account they must have a predefined account being permitted from the admin.
- Guides could manage only their account they don't have privileges to view other guides account where as has admin could monitor all guides account.

2.7 Architecture Design

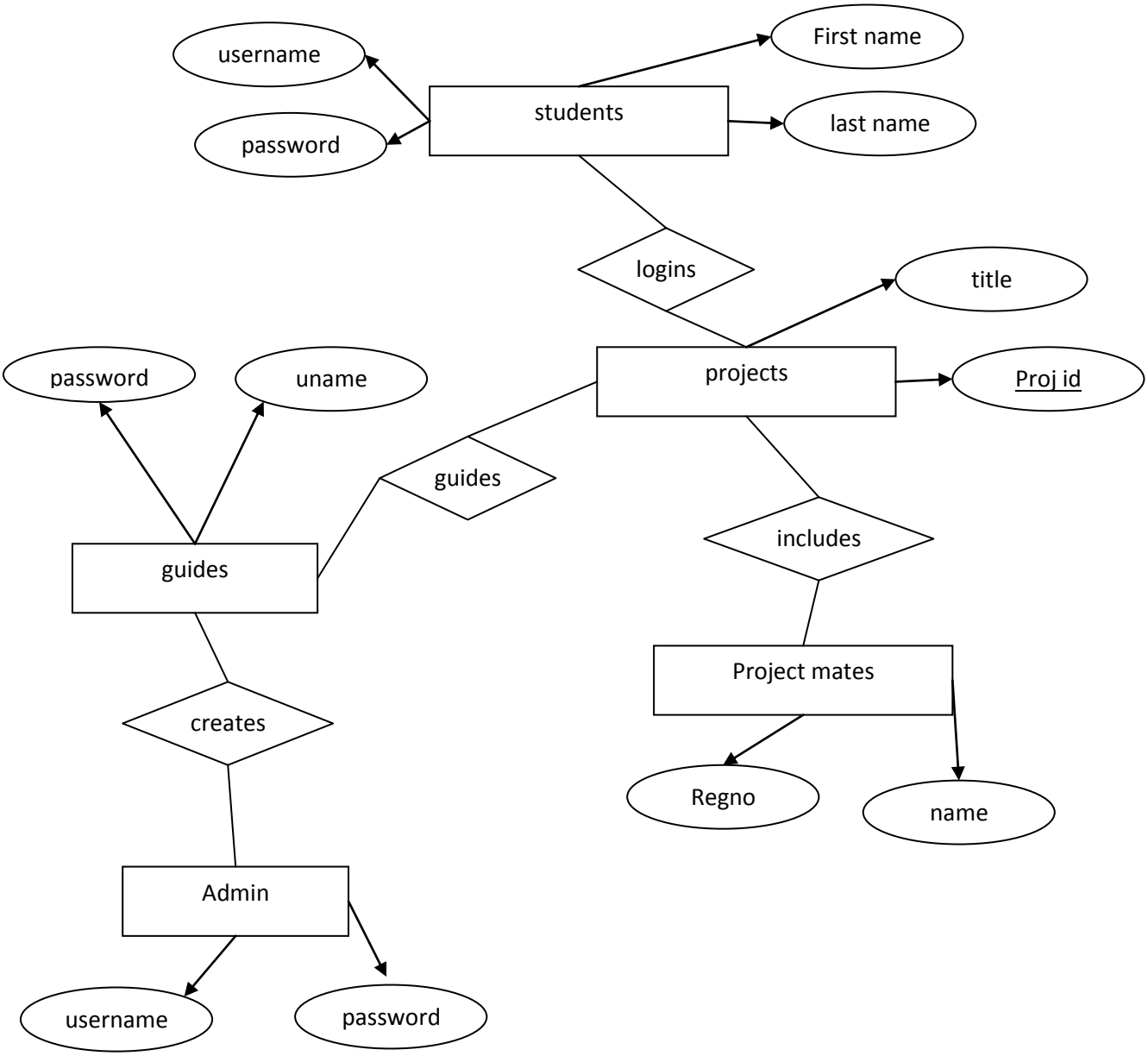
Following are the modules used in our project.

- **Admin module:** in this module admin account has been managed.
- **Students:** module: in this module the details of students are managed are let to access project details.
- **Guides Module:** in this module the details' of guides are managed and they will be having profile which they could edit and manage after being logging.
- **Projects and Project mates Module:** in these modules we keep track of projects being done by students along with their project mates.

2.7.1 Database Design

- **Users table:** this holds the details of students and each student will be given a unique username and password
- **Project table:** this table holds the details of projects done by the students along with their guide name, academic year etc.
- **Project mates :** this table holds the details of project mates of each project.
- **Admin table:** this table holds username and password of admin which will be used when he logins.
- **gudies table:** in this table the details of guides are managed each guide will have unique user name and password , guides could login to their account and see project to which they have guided and guiding.

2.7.2 ER Diagram

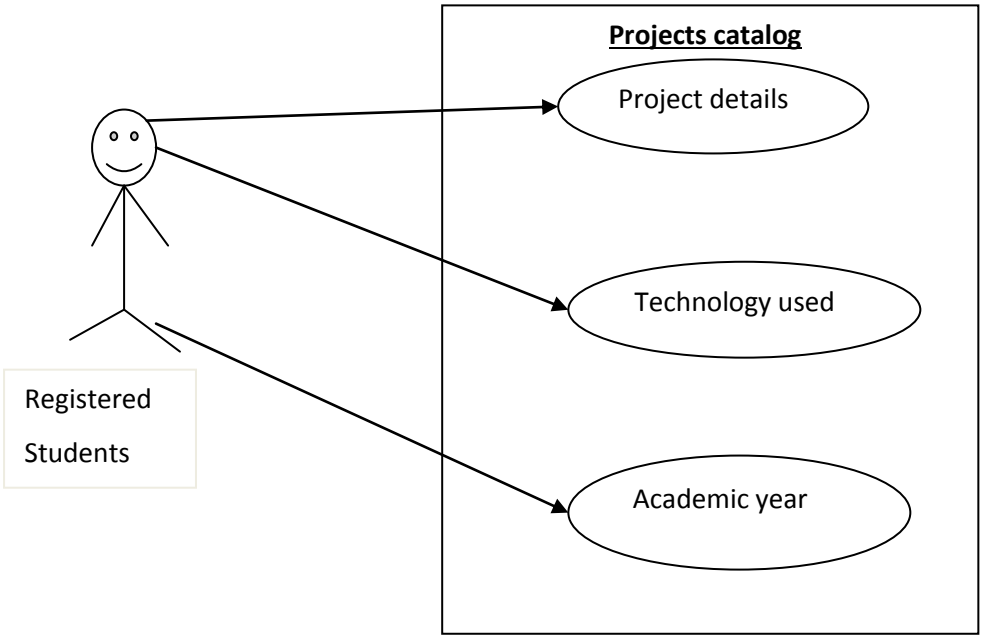


2.8 Assumptions and Dependencies

- We have assumed that our product is browser compatible means would run in all browsers.
- Validation rules developed through java script would work properly.
- Web server used would run on all platforms (OS).
- Interface developed would be standard all monitor irrespective of their size.

3.0 Specific Requirements

3.1 Use Case Reports



3.2 Supplementary Requirements

- We need an IDE (Integrated Development Environment) to develope ,debug and run the java programs
- All type of browser software to check the code dependencies.
- Documentations of products such JDK requirements, Operating systems on which they run, web server and database documentation for deployment and testing.

4.0 BIBILOGRAPHY

Learn PHP and Mysql : Sam Series.

By Patrick Naughton and Herbert Schildt.
Java 6 : By Sams Teach Yourself

Database System Concepts : by Korth and Sudarshan

Web Technology & Design : By C.Xavier