

Technical Assignment – Yukon Software

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Functional Requirements

According to the given scope following are the implemented functionalities.

- Login
- Students (create,update,view,delete) with student class
- Instructors (create,update,view,delete) with subjects
- Classes (create,update,view,delete)
- Subjects (create,update,view,delete) with instructor

Implementation

As this is a technical assignment with PHP, I used core PHP without using any PHP framework. This system implemented according to the MVC architecture. Bootstrap was used for designs along with html and css. Form validation done at server side using PHP and no client side validation added. If needed jquery validation can be added with ajax.

Technologies

PHP – version 7.1.1

Apache – 2.4.25

MySQL – 15.1.1

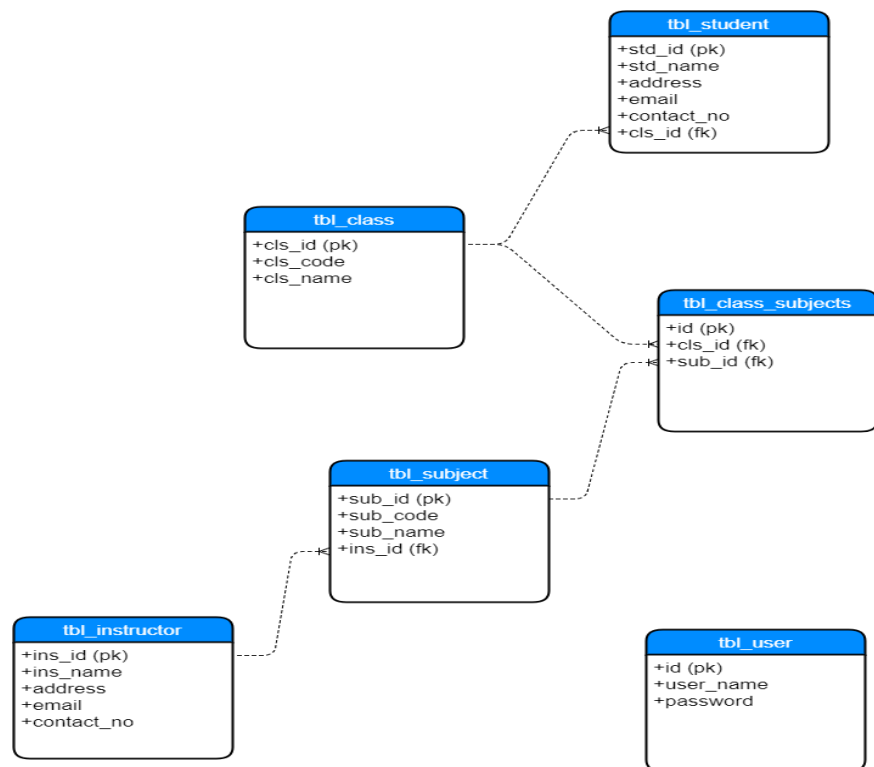
Database

Following is the ER diagram of the system.



Relationships identified according to the above diagram.


Database Diagram




User Interfaces

Login


Student Management System - Sign In

username

password


Login

Home




HomeSTUDENTINSTRUCTORCLASSSUBJECT

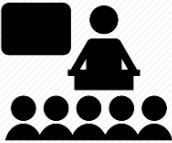
Hi adminLogout




STUDENT



INSTRUCTOR

















CLASS



SUBJECT

Student

Students Information							ADD NEW STUDENT	
Student ID	Student Name	Address	Email	Contact No	Class Code	Edit	Delete	
2	ffdgdf	dsf	sdsggsdg	1234567890	CLS001			
3	sd	sdfs	fsdssd	1234567890	CLS001			
5	sdfs	dfgdf	dfgdf	1234321234	CLS003			
7	ddsfs	gdfgd	ino@gmail.com	771234567	CLS003			
8	test	test	test@gmail.com	1234567890	CLS001			
9	dsfsd	dsfds	test@gmail.com	1234567890	CLS003			
10	asdasd	dfd	test@gmail.com	1234567890	CLS003			

Add new student

Add New Student

Student Name

Address

Email

Contact


Class :

CLS001

Add


Reset

Edit student

Student ID	Student Name	Address	Email	Contact No	Class Code	Edit
2	ffdgdf	dsf	sdsggsdg	1234567890	CLS001	

Delete student

Delete



localhost says:
Do you want to delete student 2?

OK

Cancel

Please check the system for all other interfaces.

Validation and Messages

Student Name

Please Enter Valid Name

Successfully updated

Login Details

Username : admin

Password : admin123