

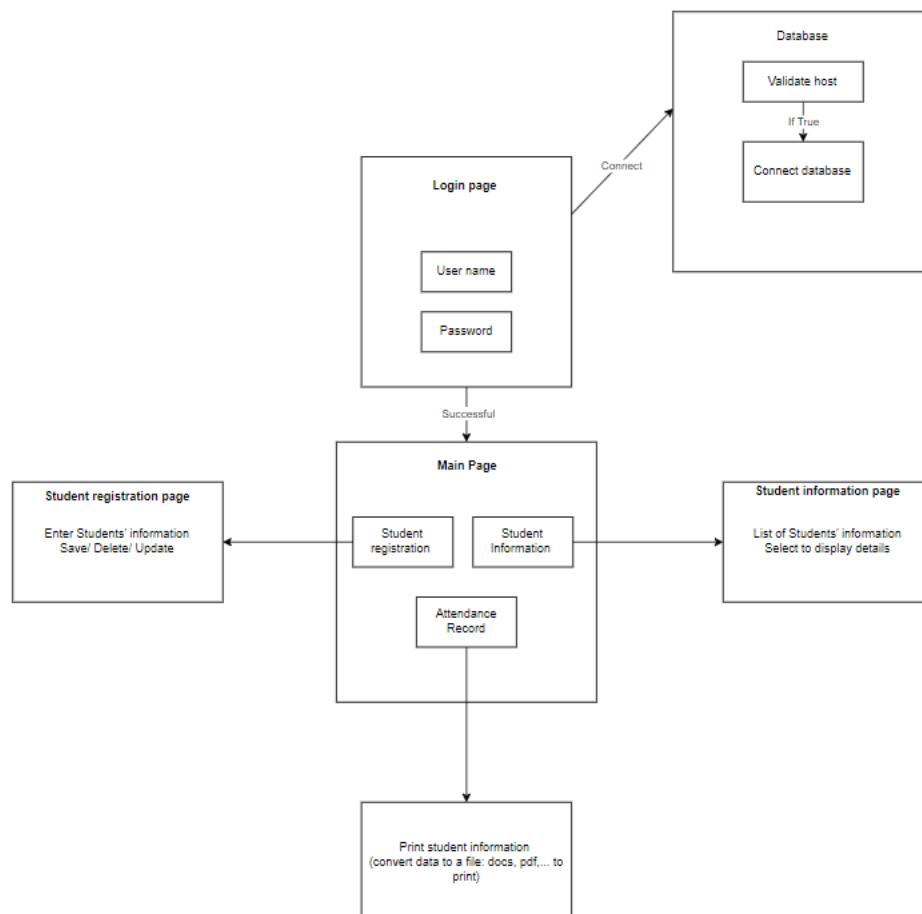
Design Overview for Student Attendance System

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Summary of Program

The "Student Attendance System" is a tool for organizing student data and managing the attendance process. The MySQL database will be used to hold student data such as personal information, class information, and attendance statistics. Users can access administrative functions like update and deletion after logging in to connect to the database. In order to build an interface through which users can alter information by filling out forms and clicking on buttons, window forms are also used. A sample output drawing is provided below to help explain the concept:



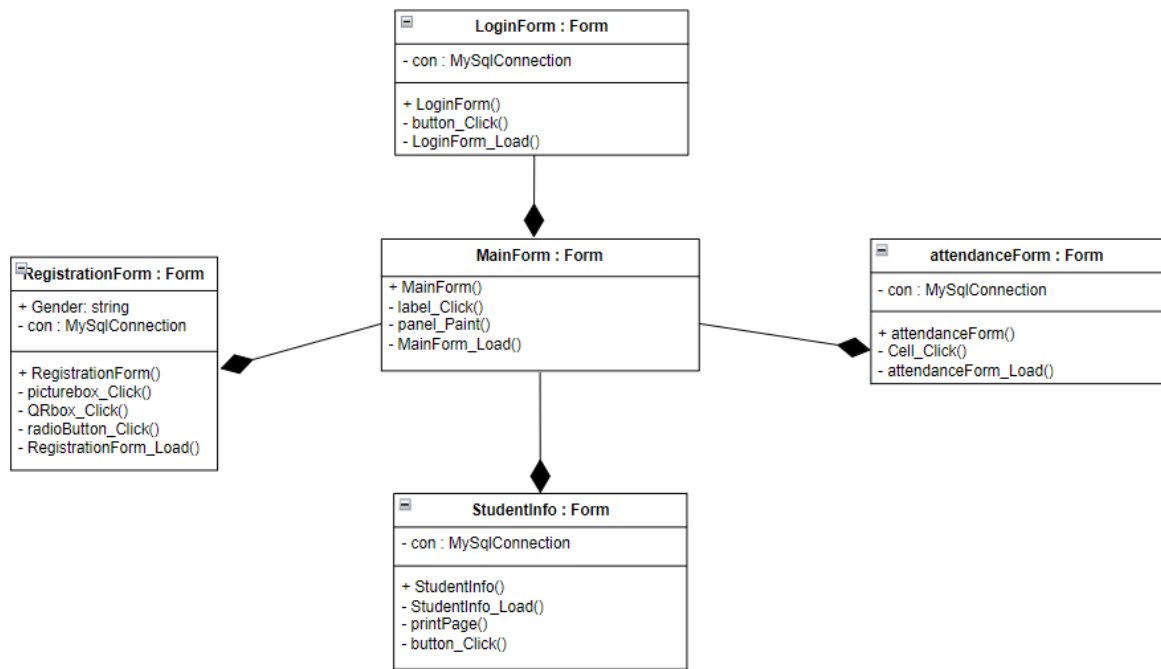
Required Roles

Describe each of the classes, interfaces, and any enumerations you will create. Use a different table to describe each role you will have, using the following table templates.

Table 1: <<role name>> details – duplicate

Responsibility	Type Details	Notes
	Field type, parameter and return types	
Form	Attendance, login, homepage, registration form, student information.	These pages will be developed; however, there may be other pages
Field	Student information (name, id, ...), username, password, class	These fields are the collection of input, username and password are not used for validate but also to connect database.
Record	List, selected from database	Display on the student information page for the convenience of updating data
Button	Save, update, delete	
Time	Day, hour	Will be display on the page interface and also a record data of the time students took attendance.
Picture	Students' image, QR code	Each student will be provided an image and an QR code for the authentication issue
Scan QR	Capture device, camera	Maybe develop later if there are available references
Printer	Not sure	Maybe develop later if there are available references.
Layout	Size, font, colours, position, button	Included when creating interface.
Interface	Window form	
Database	MySQL	

Class Diagram



Sequence Diagram

