

Software Design Document for project School

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June 8 2022

1 Introduction

1.1 Purpose

The main intention of this software development document is to describe the architecture and design of the school system

1.2 Scope

This will provide the basis for the School management system as it will provide a help for the students, staff members and parents. The software unleashes many benefits such as lowering the time consumed as well as providing easier ways for accessing materials.

1.3 Overview

This document aims to be supporting the school organization and helping them understand the system in an authentic credible fashion.

1.4 Reference Material

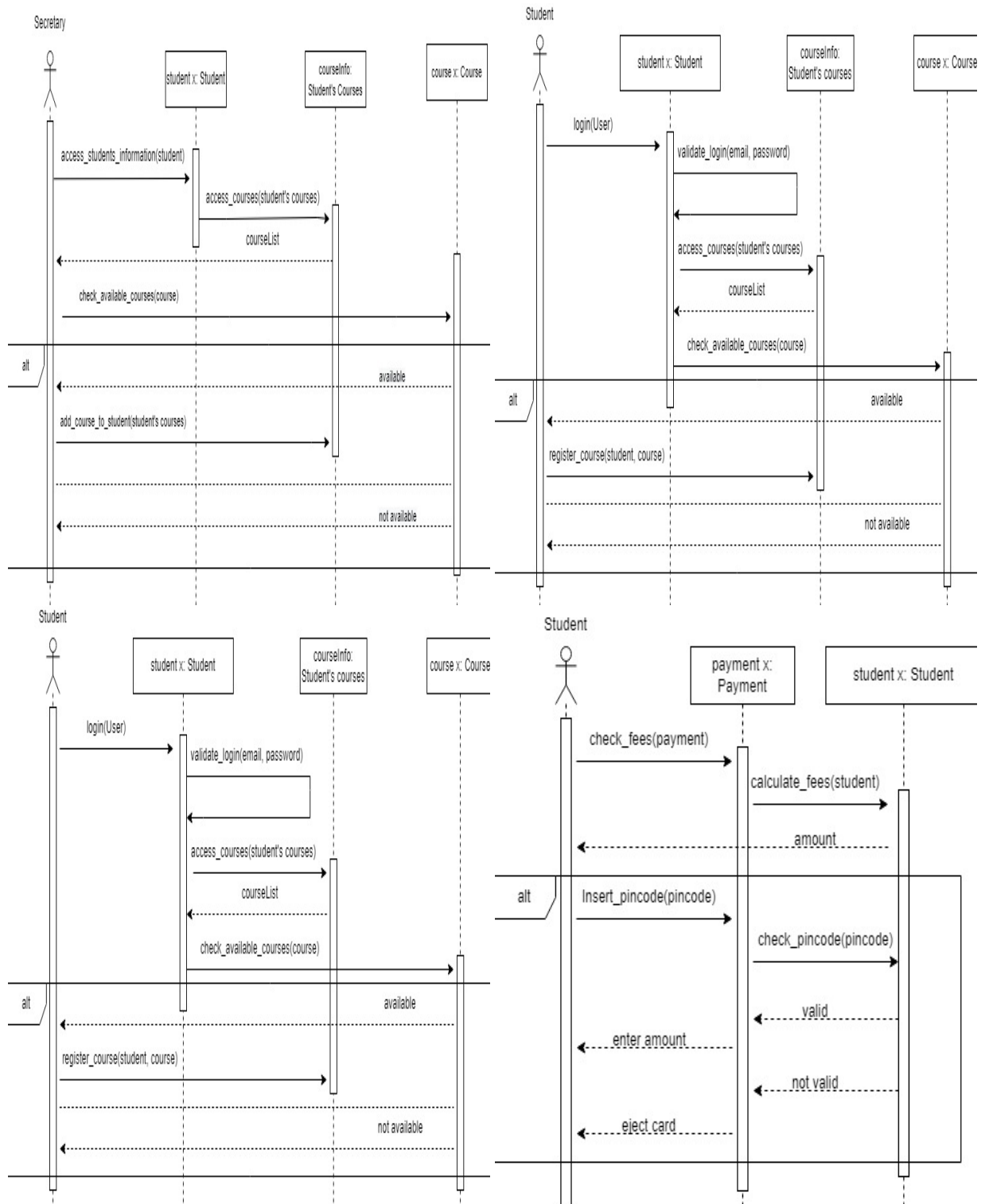
1.5 Definitions and Acronyms

2 System Overview

The software allows the user to login for security reasons. Every user has a specialized interface system that matches his/her position.

3 System Architecture

3.1 Architectural Design



3.2 Decomposition Description

The student checks the payment, if the card entered pin code is valid then payment is successful else the card will be ejected. also the student login into the system for

the information of the courses and then they get the courses list then they check the available courses if the course is available then they will be able to register that course. the teachers have the ability to find the student's parent email to send warning. Secretary could access the student's information and access their courses and to add them if the course is available for that student.

3.3 Design Rational

one of the critical issues of the sequence diagram is long response time . credit card might get denied. wrong parent email. unable to validate the login.

4 Data Design

4.1 Data Description

The information of the system is being stored in objects and arrays.in Addition, we use "POST" to send information from the interface(html) to the back end file (php) in case of adding an entity. The data is organised using a special case separator that separates the information into columns.

4.2 Data Dictionary

The functions used were delete(id), update(id, cn, sid,cid), getlastbyid(). .

5 Component Design

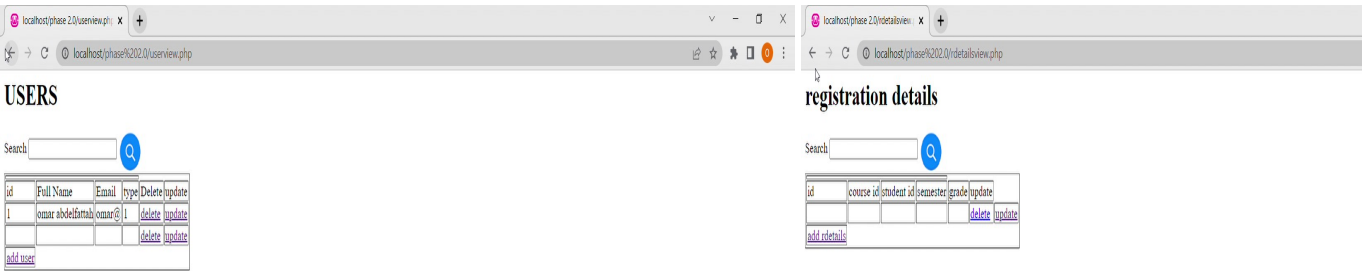
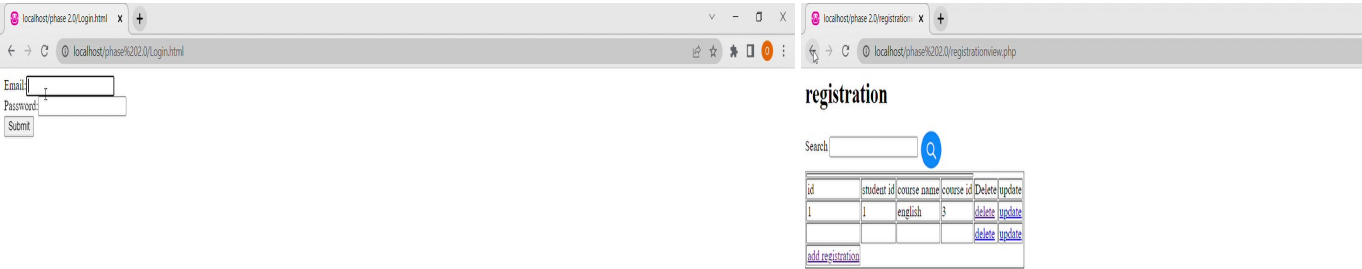
the function delete works by identifying the row number (id) using getlinebyid and then use deleterecord. update works by finding the id that will be updated and replace the old data with new one. getlastid will go through the whole file and find the last id.

6 Human Interface Design

6.1 Overview of User Interface

The user would login then be taken after a successful login into a menu area to choose the next process and if they choose a transcript then a transcript will be shown with their data. if they choose registration then they will be taken to the registration area to register their courses. If they choose the registration details then a registration details will be shown.For some Users(Admin,Principle) their will be the option to add new users or delete them or update them.

6.2 Screen Images






Courses

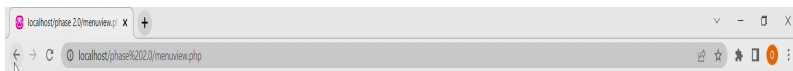
| ID | Course Name | Delete/Update |
|-------------------------------|-------------|---|
| 3 | French | Delete Update |
| | | Delete Update |
| Add Course | | |
| Search Course | | |



user type

Search: 

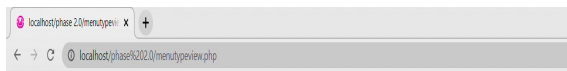
| id | Name |
|--------------------------|---|
| | delete update |
| add user | |



menu

Search: 

| id | Name |
|--------------------------|---|
| 1 | create course |
| | delete update |
| | delete update |
| add user | |



menu type

Search: 

| id | user id | menu id | Delete/update |
|------------------------------|---------|---------|---|
| | | | delete update |
| add menuType | | | |



6.3 Screen Objects and Actions

The first photo shows a login. The second photo shows a registration, The third photo shows user interface, The fourth photo shows registration details, fifth photo shows courses, sixth photo shows user type, seventh photo shows menu, the eighth photo menu type and the ninth photo shows the transcript.

7 Requirement Matrix

8 APPENDICES

9 References