**Course and Curriculum Management**

1. **Introduction**

The "Course and Curriculum Management" system is a comprehensive solution developed to streamline the management of school schedules, classes, and student information. This project aims to enhance the efficiency of educational institutions by providing robust tools for monitoring student progress, managing academic schedules, and optimizing classroom utilization. By implementing this system, schools can achieve greater organization, improve resource allocation, and ultimately enhance the overall educational experience for both students and staff.

1. **Objectives**

* Streamlining schedule management.
* Enhancing class and student management.
* Optimizing classroom utilization.
* Improving student monitoring.

1. **Key Module and Features**

* User Information access and control:
* Schedule Management
* Class Management
* Student Management
* Report and Analysis

1. **Implementation**
   1. **Requirement Analysis**
      1. **Functional Requirements**

Module 1: User Account Management

* **Add** User account: the ability to add a new user account to the system in some information such as Name, username, password, role, and ID.
* **Update user account:** modify the user information.
* **Delete user account:** Remove the user account from the system.
* **View user account:** display the user information.
* **Search user account:** find the user account.
* **Short user account:** short user by name and ID.

Module 2: Student Management

* **Add student:** Student information such as name, ID, class, teacher…
* **Update students**: Update the students' information
* **Delete student:** Delete student form system
* **View student:** list students down
* **Search student:** search by ID, name…
* **Short student:** search by ID, name…

Module 3: Schedule Management

* **Add course:** Course information such as name, ID, class, teacher…
* **Update course**: Update the course information
* **Delete course:** Delete course form system
* **View course:** list course down
* **Search course:** Search by ID, name…
* **Short course:** short course.

Project UI Design

* This is the Course and Curriculum Report

1. Register
2. Login
3. Exit

Choose a number (1-3): 1 go to Register

Please enter the username and password:

Username: Phanit

Password: 1

*You will go to the user authentication menu when you enter the username and password.*

* This is the Course and Curriculum Report.

1. Signup
2. Login
3. Exit

Choose a number (1-3): 2 go to login

Please enter the username and password:

Username: Phanit

Password: 1

Welcome to the Student Management Software!

1. Login

2. Register

3. Exit

Please chosse (1-2): 1 go to login

Please enter your username and password:

Username: dara

Password:123

If wrong username or password show invalid user message

Once you have logged in, you will be able to access the following features:

1. USER MANAGEMENT

2. STUDENT MANAGEMENT

0. EXIT

Enter choice: 1

////////////////////Admin Account/////////////////////////////////

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Menu

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[1]. Add New Teachers

[2]. Update Teachers' InformationSearch

[3]. Search Teachers' Information

[4]. Delete Teachers's Data

[5]. Sort Teachers

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):1

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Add New Teachers

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- Teachers' ID:1000

- Teachers' Name: Phon Chenda

- Teachers' Sex: F

- Date of Birth:01/01/1995

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Do you want to add another teacher?(Y/N)

if Y or y ==> add a new teacher

if N or n ==> show the data list of entrying data lately...

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Display Students's record

=====================================================================

ID || Name || Sex || Birth of Date||

=====================================================================

1000 Phon Chenda F 01/01/1995

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press any key to go back to menu

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Menu

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[1]. Add New Teachers

[2]. Update Teachers' Information

[3]. Search Teachers' Information

[4]. Delete Teachers's Data

[5]. Sort Teachers

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):2

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Update Teachers' Information

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Please input teacher's ID that you want to edit:1001

Update lists:

1.ID

2.Name

3.gender

4.date of birth

Please choose option to edit:1

Please input new information: 1003

ID is updated successfully...

---------------------------------Show Update Data------------------------------

===============================================================================

|| ID || Name || Sex || Birth of Date||

===============================================================================

1003 Phon Chenda F 01/01/1995

===============================================================================

press any key to go back to the menu

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Menu

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[1]. Add New Teachers

[2]. Update Teachers' Information

[3]. Search Teachers' Information

[4]. Delete Teachers's Data

[5]. Sort Teachers

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):3

=================================================

Search Teachers' Information

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Enter ID to search: 1003

if matched, show the teacher's detail.

==>show ms: search Successfully...

--------------------------Show Data after searching----------------------------

===============================================================================

|| ID || Name || Sex || Birth of Date||

===============================================================================

1003 Phon Chenda F 01/01/1995

===============================================================================

if no, loading msg: invalid input and press any key to go back to the menu

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Menu

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[1]. Add New Teachers

[2]. Update Teachers' Information

[3]. Search Teachers' Information

[4]. Delete Teachers's Data

[5]. Sort Teachers

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):4

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Delete Teachers's Data

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Please input ID that you want to delete:

if id is found, show message ==> Are you sure want to delete? Y/N

==>if yes show msg: Delete Successfully...

==>if no, show message: delete has been cancelled...

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Press any key to continue...

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Menu

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[1]. Add New Teachers

[2]. Update Teachers' Information

[3]. Search Teachers' Information

[4]. Delete Teachers's Data

[5]. Sort Teachers

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):5

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Sort Teachers

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sorted successfully....

==> show list data after being sorted.

////////////////////Teacher Account///////////////////////////////

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Menu

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[1]. Add New Students

[2]. Update Students' InformationSearch

[3]. Search Students' Information

[4]. Delete Students's Data

[5]. Sort Students

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):1

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Add New Students

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- Students' ID:0001

- Students' Name: Sereywathana Devi

- Students' Sex: F

- Place of Birth:01/01/200

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Do you want to add another student?(Y/N)

if Y or y ==> add new students

if N or n ==> show the data list of entrying data lately...

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Display Students's record

===============================================================================

|| ID || Name || Sex || Birth of Date||

===============================================================================

0001 Sereywathana Devi F 01/01/2000

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...... .................... .... ..............

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================================================================================

press any key to go back to menu

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Menu

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[1]. Add New Students

[2]. Update Students' InformationSearch

[3]. Search Students' Information

[4]. Delete Students's Data

[5]. Sort Students

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):2

==================================================

Update Students' InformationSearch

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Please input ID that you want to edit:1001

Update lists:

1.ID

2.Name

3.gender

4.date of birth

Please choose option to edit:1

Please input new information: 1003

ID is updated successfully...

---------------------------Show Update Data------------------------------------

===============================================================================

|| ID || Name || Sex || Birth of Date||

===============================================================================

0001 Sereywathana Devi F 01/01/2000

===============================================================================

press any key to go back to the menu

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Menu

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[1]. Add New Students

[2]. Update Students' Information

[3]. Search Students' Information

[4]. Delete Students's Data

[5]. Sort Students

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):3

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Search Students' Information

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Enter ID to search: 1003

if matched show the student's detail. show ms: search Successfully...

--------------------------Show Data after searching----------------------------

===============================================================================

|| ID || Name || Sex || Birth of Date||

===============================================================================

0001 Sereywathana Devi F 01/01/2000

===============================================================================

if not invalid input back to menu

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Menu

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[1]. Add New Students

[2]. Update Students' InformationSearch

[3]. Search Students' Information

[4]. Delete Students's Data

[5]. Sort Students

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):4

==================================================

Delete Students

==================================================

Please input ID that you want to delete:

if id is found, show message ==> Are you sure want to delete? Y/N

==>if yes show msg: Delete Successfully...

==>if no, show message: delete has been cancelled...

----------------------------------------------------------------------

Press any key to continue...

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Menu

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[1]. Add New Students

[2]. Update Students' InformationSearch

[3]. Search Students' Information

[4]. Delete Students's Data

[5]. Sort Students

[6]. Save Record to file

[7]. Exit

Choose your choices(1-6):5

==================================================

Sort Students

==================================================

sorted successfully....

==> show list data after being sorted.

--------------------------Show Data after sorting----------------------------

===============================================================================

|| ID || Name || Sex || Birth of Date||

===============================================================================

1002 Long Sophal F 27/06/1995

1002 Lak Vanny M 01/02/1993

1003 Phon Chenda F 01/01/1995

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