SECP2523 DATABASE

SESSION 2022/2023, SEMESTER 1

ALTERNATIVE ASSESSMENT REPORT: PHASE 1

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Section	01
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Case Study	INTELLECT MANAGEMENT INFORMATION SYSTEM
System Name	INTELLECT PLAYSCHOOL
Group Name	SEEDBOX

All Member Names, Modules and Use Cases for Each Member	<table><tr><td>Member</td><td>Module</td><td>Use Case</td></tr><tr><td colspan="3">NURUNNAJWA BINTI ZULKIFLI (A21EC0121)
	  1. Assessment
	    ● Create assessment
	    ● View assessment
	    ● Update assessment
	    ● Delete assessment
	  2. Salary
	    ● Fill in salary
	    ● View salary</td></tr></table>

	● Upload salary
	● Delete salary
	
	UMAR HAZIQ BIN MUHAMAD NORHISHAM (A21EC0235)
	   1. Registration
	● Create account
	● Set Appointment
	● Fill in parent details
	● Update parent details
	● View account status
	● View appointment status
	● View student registration status
	● Full in student registration form
	● Update student details
	● Fill in teacher details
	● Update teacher details
	● Register Teacher
	● View parent active account
	● Manage appointment
	● Manage student registration status
	● View parent's appointment
	● Manage parents accounts
	
	NUR SHUHADA SAFIAH BINTI AYOB (A21EC0114)
	   1. Attendance
	● Fill in attendance
	● Modify attendance
	● View attendance
	
	MUHAMMAD NAQUIB BIN ZAKARIA (A20BE0161)
	   1. Announcement
	● Create announcement.
	● View announcement.
	● Edit announcement.
	● Delete announcement.
	   2. Fee Payment
	● Fill in payment.
	● Delete payment.
	● Update payment.
	● View payment.
	● Verify payment.

SECTION A

1. **Overall Description**

System overview

1. Parents and teachers are required to register their account first before user can utilise the website's features

2. Firstly, parents should fill their personal form in the account registration form in order to register an account. After completing the registration form, parents will have to key in their identification number as the username and also have to set a password. Parents will be directed to the website after completing the registration.

3. However, for teachers, only the administrator have the authority to register the teacher's account.The administrator will fill in the teacher's information details in the registration form

4. Teacher will have to set a password and identification number for the login process.

5. Parents who want to enrol their kids in the school should fill in the student registration form. Parents have to fill in their kid's information details in the registration form

6. The system will validate all the information in the registration form. If the application is successful, the kid will be registered as a student of the school.

7. If the application is not accepted, the admin will schedule a meeting with the parents.

8. Parents who want to register their other kids in the school can add registration by clicking the "Add" button. Parents will have to fill in the student registration form for each registration that they want to do.vv overtime hours. Both teacher and admin can view students' attendance list but only admin can delete and edit the attendance.

9. For payment, the parents choose the payment type and enter the total payment. The parents have to provide the payment receipt as a proof. System calculates the total balance for parents. Admin will receive the payment information.

10. For main content like announcements and activity updates , the teacher can post any announcement and display it at the main page. For activity updates, it

will be set to parents or public view for safety purposes. Parents and other users can view the announcement. Teachers and admin can edit and delete the content while the parents can just view the content only.

11. Every teacher is able to fill up assessments of kids weekly. The teacher must fill each subject, mark and comment based on their observation towards kids.This module can only be accessed by the teacher only.

For the first module, the content will be registration. Parents and teachers are compulsory to register their accounts. Firstly, parents have to fill in their personal information in detail in the account registration. Next,parents will go through the log in account procedure. In this procedure, parents will have to key in their identification number as the username and also set a password. After completing the registration process, parents will be directed to the website. Parents can start registering their kids at the school by completing the student registration form. Parents are required to complete all the details in the form.The system will validate the student's application after parents submit the registration. If the registration is successful, the kid will be registered as the student of the preschool. If the registration is incomplete, the admin will schedule an appointment with the parents. Parents who want to add registration can click the "next" button to register their other kids in the school. For teachers, the administrator will help the teacher to register their website account as only the administrator has the authority to register the teacher.After admin complete filling in the teacher registration form, teacher will have to set their identification number as the username and not to forget to set a password.

In the second module which is about contents. The teachers can post any news as an announcement using the system. To let the parents know when an event will take place and what is happening currently, the staff will post or update any recent news.The website allows the parents to view all of the news that has been uploaded. This module also allows the teacher to upload articles , images and videos as activities update.The articles will be published to the public and certain articles are only allowed to be viewed by parents and staff only. This function is to enhance the security of children.

For the third module which is payment, In order to let parents know how much they must pay for the school's fee, the administrator and staff will provide a bill. The amount charged depends on the student's chosen programme, playgroup and meal. The parents choose the

payment type and the total amount of payment. Once the parents have paid, they must upload the receipt as proof to the school to prove that they have done so.The payment receipt provided by the parents will be verified by the system. When everything is finished, the system will give the parents a receipt as proof that they have paid the fee. For salary, the admin uploads the salary slip and the teacher is able to view and download their salary slip.

The fourth module is about attendance. Parents are required to use this system to record their children's attendance each day. Parents simply need to confirm whether or not their children are attending play school. Parents need to fill in meal attendance to make sure teachers prepare food for their children. A list detailing the students' attendance will be provided to the staff and administrator. Admin can edit and delete the attendance and print out the attendance if needed.

Last but not least, the fifth module is about assessment. Teachers are able to fill in the assessment for each student weekly. The function of assessment is to track the development and potential of each child. Parents are unable to see the assessment part as it is only for teachers' records only.

2. System Use Case Diagram

3. Module and Use Case

Module : Announcement

Module Description

This module is for every user. The Parents, Admin and Teacher can view the list of the announcement on each user account's homepage. The admin can create an announcement. Then the admin needs to enter the details for announcement content such as title and description. The Admin can edit or delete the content of the announcement.

Announcement use case diagram
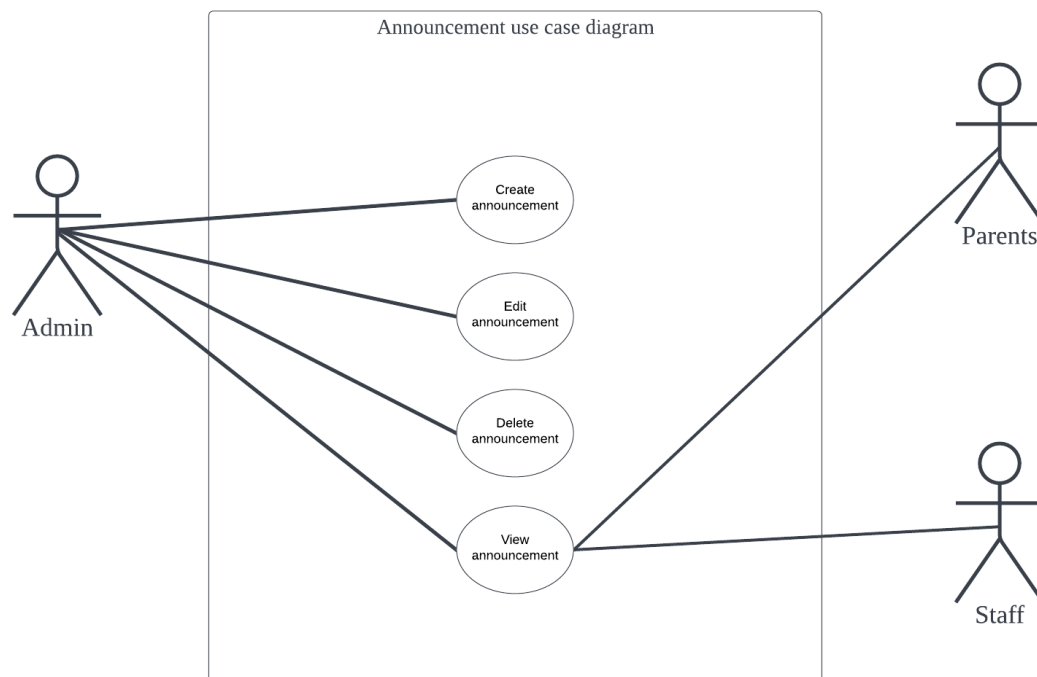
1. Parents, Admin, and Staff login and enter the account homepage.
2. Parents, Admin, and Staff view the list of announcements.
3. Admin enters the announcement page and the system displays the create, edit and delete functions and also the list of announcements.
4. Admin chose to create a new announcement.
5. The system displays a new announcement form and the admin should fill in the announcement details.
6. Admin submits the new announcement and the admin returns to the list of the announcement page.

7. The system displays the newly created announcement on the page.

8. The admin chooses to edit the announcement.

9. The system displays a list of announcements and the admin chooses the announcement to edit.

10. The system displays the chosen announcement form and edit the announcement details.

11. The admin submits the edited announcement and returns to the list of the announcement page.

12. The system displays the list of updated content in the announcement page.

13. The admin chooses to delete the announcement.

14. The system displays a list of content and the admin chooses content to delete.

15. The system deletes the chosen announcement and displays the list of updated announcements in the announcement page.

Module : Fee Payment

Module Description

The fee payment module involves parents and admin. Parents need to enter the total payment and the system automatically calculates the balance of fee. Parents upload the payment receipt and admin verify the receipt.

Fee payment use case diagram
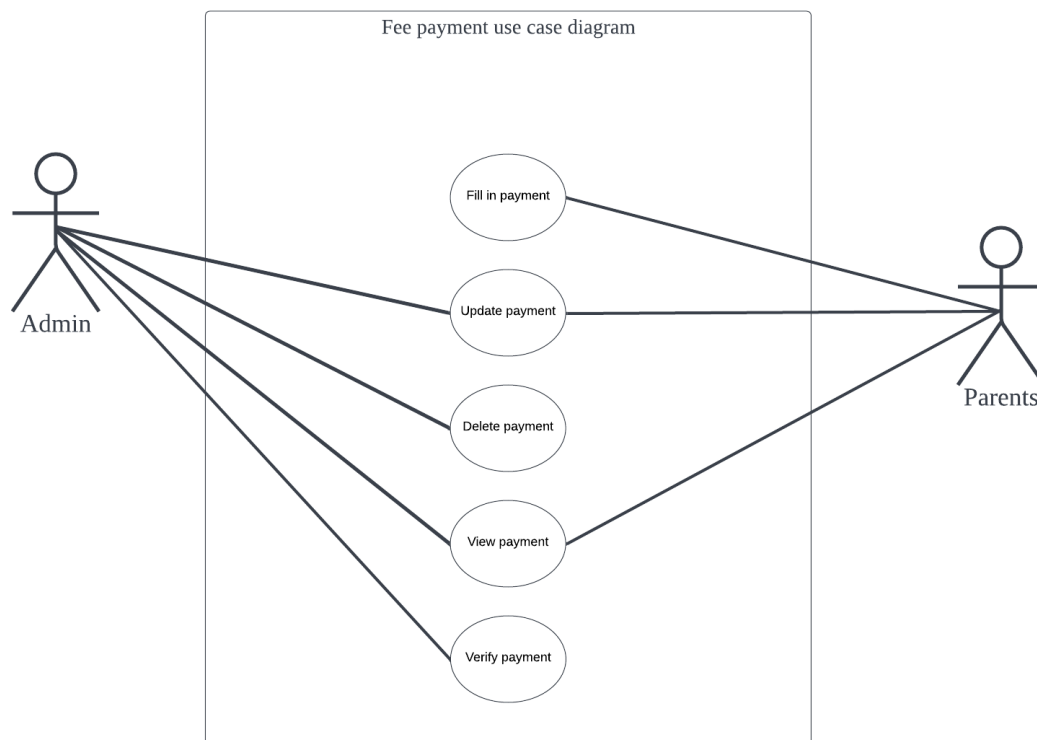
Description of fee payment

1. Parents enter the payment page.

2. Payment page displays payment type, total payment, total balance and space to upload payment receipt.

3. Parents select payment type (Deposit, Monthly Fee, Meal Fee, Playgroup Fee)

4. Parents enter the total of payment that they want to pay.

5. The system calculates the balance that they need to pay.

6. The system displays the balance of payment.

7. Parents upload payment receipts.

8. The payment page displays the payment id, payment type, payment status and payment slip file.

9. System received the payment slip.

10. At the admin page, the system displays the payment id, student name, payment type, total payment, payment balance, payment receipt file, "Approve" and "Reject" button and note.

11. Admin verify the payment slip by checking the payment history and payment total.

12. Admin select the " Approve " button to approve the payment slip.

13. Admin sends playschool receipts to parents.

14. Admin select the " Reject " button to reject the payment slip.

15. Admin sends a reason note to the parent after rejecting the payment.

SECTION B

1. **Overview Module** *Announcement*

Module Description

This module is for every user. The Parents, Admin and Teacher can view the list of the announcement on each user account's homepage. The admin can create an announcement. Then the admin needs to enter the details for announcement content such as title and description. The Admin can edit or delete the content of the announcement.

1.1 **Database Transaction: Create announcement**

Transaction Requirement: Data Entry

2.3.2 a Create announcement

2.3.2 b Enter announcement detail (Title, Description)

1.2 **Database Transaction: Edit announcement**

Transaction Requirement: Data Update

2.3.2 a Edit announcement

2.3.2 b Choose announcement id

2.3.2 c Edit announcement detail (Title, Description) based on announcement id

1.3 **Database Transaction: Delete announcement**

Transaction Requirement: Data Update

2.3.2 a Delete announcement

2.3.2 b Choose announcement id

2.3.2 c Delete announcement based on announcement id

1.4 **Database Transaction: View announcement**

Transaction Requirement: Data Queries

    2.3.2 a List of announcement

2.   **Overview Module *Fee Payment***

Module Description

The payment module involves parents and admin. Parents need to enter the month of the payment and total payment and the system automatically calculates the balance of fee. Parents upload the payment receipt and admin verify the receipt.

2.1   Database Transaction: Fill in payment

Transaction Requirement: Data Entry

    2.3.2 a Type of payment (registration or monthly fee)

    2.3.2 b Month of payment

    2.3.2 c Total of payment

    2.3.2 c File of payment receipt (.pdf)

2.2   Database Transaction: Delete payment

Transaction Requirement: Data Delete

    2.3.2 a Choose payment id

    2.3.2 b Delete payment details based on payment id

2.3   Database Transaction: Update payment

Transaction Requirement: Data update

    2.3.2 a Type of payment (registration or monthly fee)

    2.3.2 b Month of payment

    2.3.2 c Total of payment

2.3.2 c File of payment receipt (.pdf)

2.4   Database Transaction: View payment

Transaction Requirement: Data Query

2.3.2 a List of payment receipt
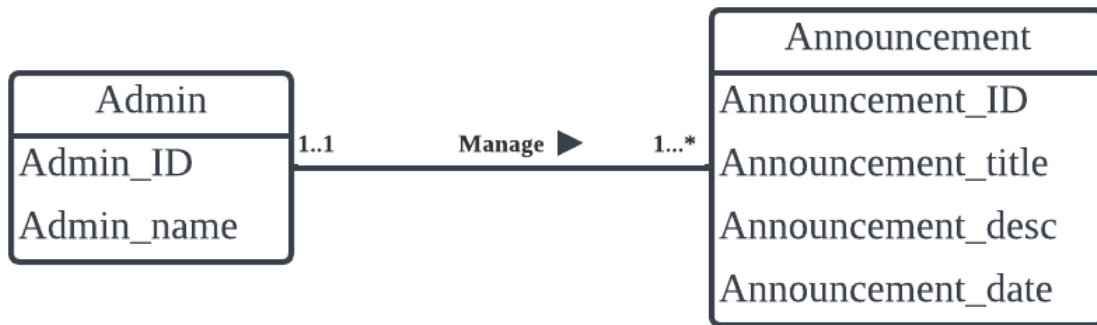
2.5   Database Transaction: Verify payment

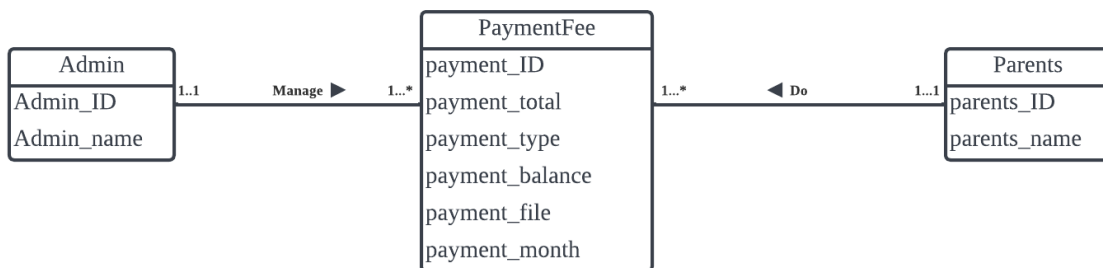Transaction Requirement: Data Update

2.3.2 a Payment total

2.3.2 b Payment balance

2.3.2 d Payment status

3. Conceptual ERD

Announcement Conceptual ERD

Fee Payment Conceptual ERD