

FACULTY OF COMPUTING

**BCS2243
WEB ENGINEERING
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TITLE : UMPSA Koop Printing Management System (RapidPrint)
SECTION : 01A
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1.0 PRINCIPLE OF SOLUTION

User

- The system will be focused on user efficiency and flexibility by providing a printing service that can be used whenever and wherever they are. Users include students, staff, and admin that will be using the system.
- Admin will be able to manage users by adding, deleting,, and editing the user, package, and managing the branches using one system as a console that is centralized.

Manage branches and printing packages

- Admin will be able to overlook all the branches that are connected in one system and do not have to be on-site to monitor the process and manage all the different branches.
- Admin also would be able to use the system to add, delete, update the status of a printing package, and use an auto-generated qr code that will make the whole process easier for both user and admin to manage the order.

Online order

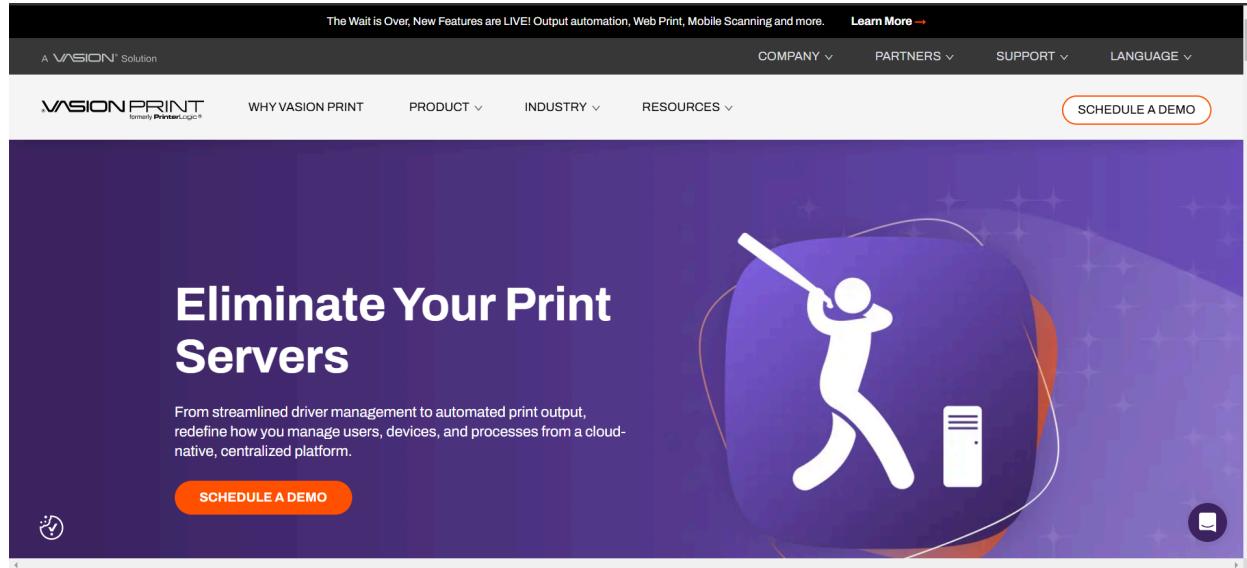
- Users can use the system to book or schedule a printing service and uses online payment to pay for the price right away before being at the location to collect the printed documents. This will lessen the uses of IT support and make it even more efficient for students especially for students who live outside. They do not have to queue in line to print their documents anymore which enhances their efficiency.

Report

- Staff would be able to update a report of the printing and the status of the documents real time.
- Students would be able to view the status of their printing and see if the package is complete or suspended.

2.0 REVIEW TWO EXISTING SYSTEM

PrinterLogic

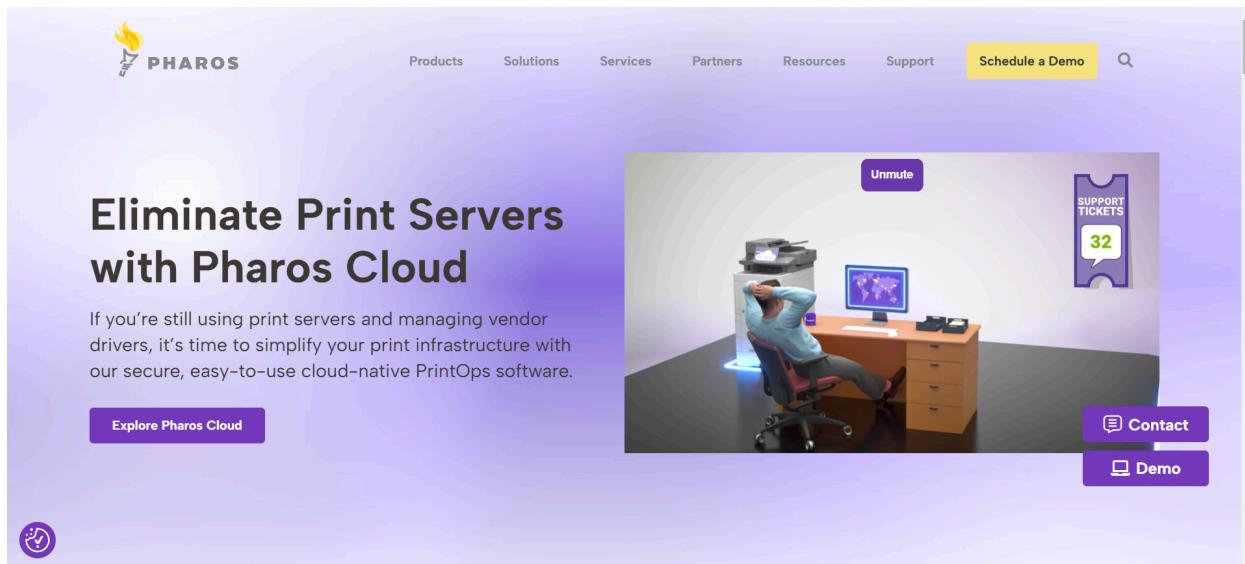


PrinterLogic is one of the existing websites that offers printing service management. Users are capable of printing their documents regardless where they are, whether in the office or in a remote area unlike traditional printing. It can be used as a console by the admin to control multiple printers using a single device. They automatically import the existing printer objects and eliminate its printer server, making it easier to manage multiple printers with different brands. Admin could manage the printer objects, drivers, profiles, and settings from the Admin Console and view users' activity from one centralized UI.

Using the self-service feature, the user or admin can add and connect a new printer as well as view its print history, and adjust the setting of the printer through the website while keeping the environment secure. By using the website users can be independent instead of asking IT support for help. Everything can be done virtually and users do not have to be available physically at the location of the printer. PrinterLogic also offers a hybrid and cloud-based environment for office workers or an organization that requires flexibility in their printing game. It allows them to print from their mobile and personal devices.

Therefore, PrinterLogic provided multiple advantages for a serverless printing, despite all the advantages, users cannot gain access to the service if they are in an area with low Internet connection. There are a few limitations that may occur throughout using the PrinterLogic but it remains as a reliable system that offers multiple solutions to current traditional printing problems and enhances user experience..

Pharos



The screenshot shows the homepage of the Pharos Cloud website. At the top, there is a navigation bar with links for Products, Solutions, Services, Partners, Resources, Support, and a yellow "Schedule a Demo" button. A search icon is also present. The main heading is "Eliminate Print Servers with Pharos Cloud". Below the heading, a subtext reads: "If you're still using print servers and managing vendor drivers, it's time to simplify your print infrastructure with our secure, easy-to-use cloud-native PrintOps software." There is a purple "Explore Pharos Cloud" button. To the right, there is a video player showing a person sitting at a desk with a printer, with a "Unmute" button above it. On the right side of the video player, there is a "SUPPORT TICKETS" badge with the number "32". Below the video player, there are two more buttons: "Contact" and "Demo". At the bottom left of the page, there is a small circular icon with a hand symbol.

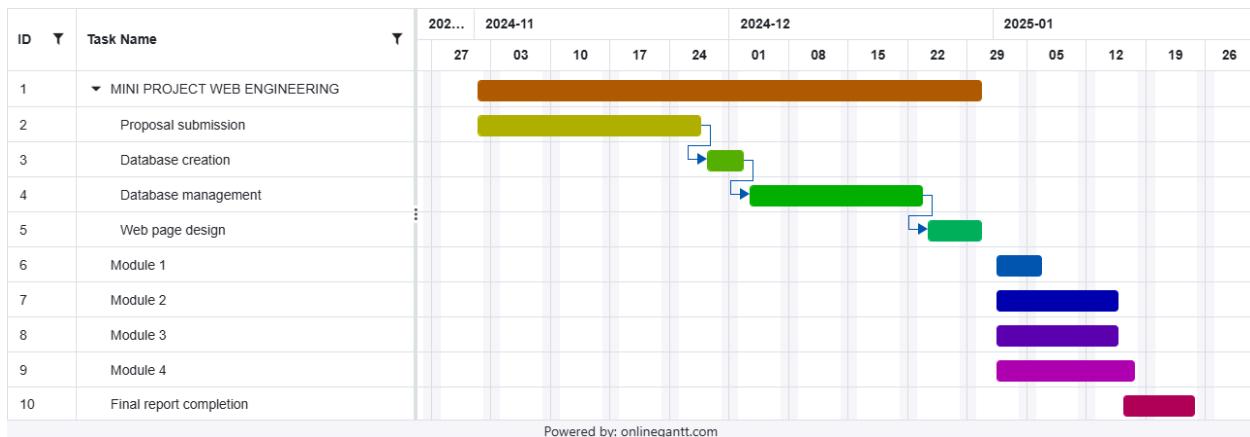
Pharos is a cloud based printing management software that is secure and efficient. Just like PrinterLogic, it eliminates the usage of print servers. It can also be used in different locations, inside the building or at other areas to connect to Pharos. It reduces the usage of on-site hardware and increases efficiency. It is also a centralized printing management since it uses a device to operate multiple print fleets and print drivers. It saves both time and money since it does not require the user to physically be in the building to print a document instead printing through the network via cloud.

The system also provided detailed analytic reports from any devices or location which increased flexibility. It provides a detailed report on the model of the printer used, the percentage of color used and the serial number of the printer. It also provides monthly usage per employee, and outliers of the data.

Based on user review, it is said that the interface used is user-friendly, it is easy to navigate and simple in terms of printer management preferences and setting. It also allows a flexible booking option for users to schedule their print jobs in advance.

Despite all the perks of using Pharos, it can also face certain challenges such as delays in printing caused by external print operators. Users could also face problems on scheduling the print job or print on the spot if they are located at a unstaed network area since it is a cloud-based system. Although there are a few disadvantages of the system, Pharos is one of the trusted printing management system.

3.0 PROJECT MANAGEMENT FRAMEWORK



4.0 PROJECT REQUIREMENT

Non-functional Requirement

For a RapidPrint which is printing services in both UMPSA, there are several non functional requirements that essential to applied in the system which is ;

1. Performance

- The print system should be able to process no more than 250 user submissions each day, guaranteeing uninterrupted functioning.
- Every print job must be processed within three seconds of submission, so the user won't have to wait longer than three seconds for the system to acknowledge it.

2. Security

- The system only allows authorized users to view their own documents, users have to log in or create a new account.

3. Usability

- The system should have a user-friendly interface with well-labeled buttons and icons that makes it simple for users to access and explore all of its capabilities.

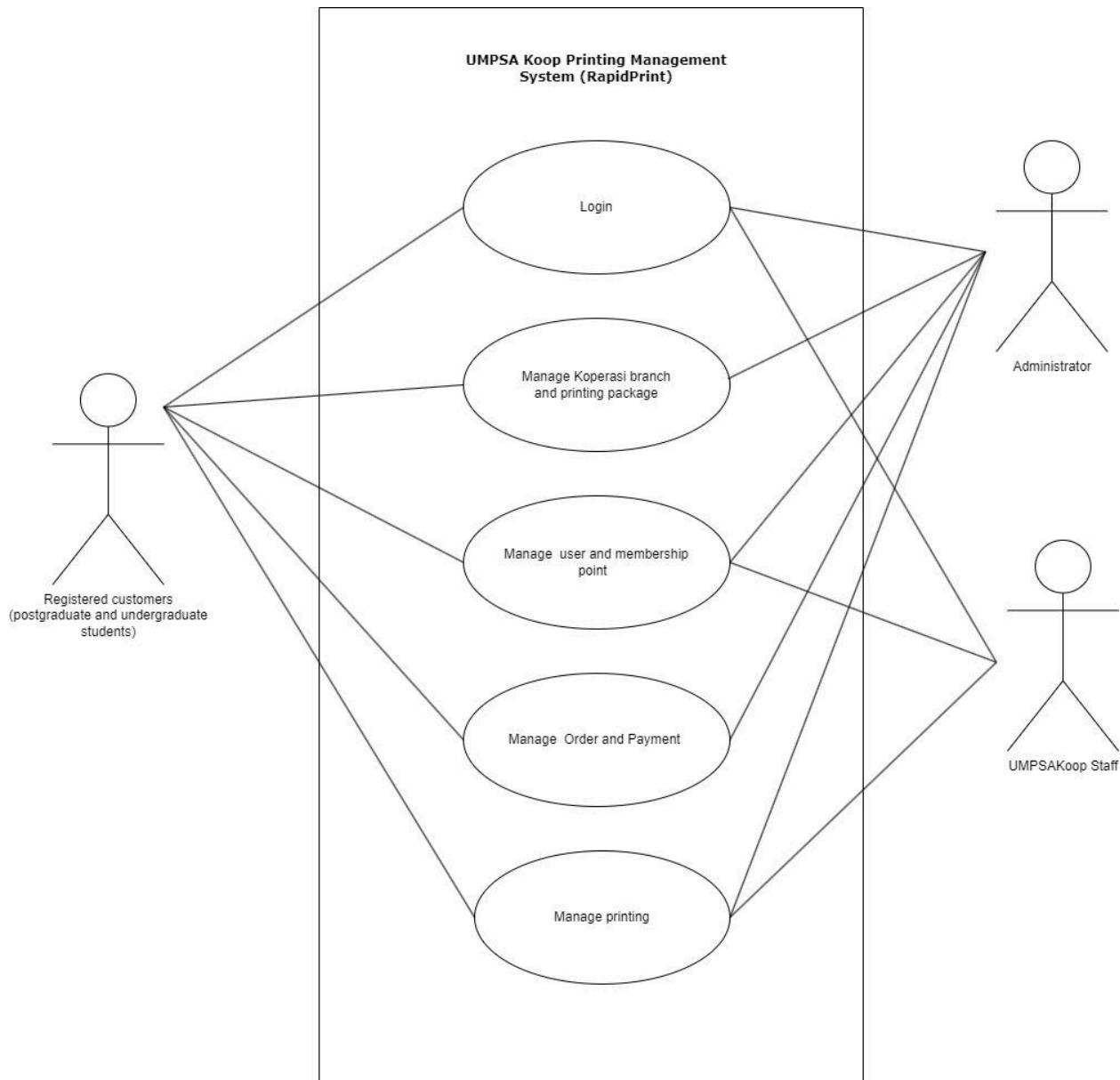
4. Maintainability

- For the system to stay current and useful throughout time, it should be built with simple changes in view. Updates to the user interface, for instance, should ensure that it stays simple to changing preferences of users.
- For example, adding a new document history menu option.

5. Monitoring

- Automated notifications should be generated by the system, such as when the printer's toner levels are low.
- For instance, when the printer runs out of paper or ink, the administrator receives a notification on the dashboard, which is in administrator view.

5.0 USE CASE DIAGRAM



6.0 USE CASE SCENARIOS

MODULE 1 : LOGIN, MANAGE KOPERASI BRANCH AND PRINTING PACKAGE WARDATUL JANNAH BINTI MOHD NAZIR, CA22049

1. Login and verification.

- This use case is a general use case used by everyone.
- When a user enters the login page, the user has to input their username, password, and choose their role (Admin, Staff, Student).
- The system verifies the username, password, and role to make sure it is valid.
- If the credentials are valid, it will redirect users to their corresponding dashboard (registered students, administrator, and Koperasi staff.)
- If the credentials are not valid, an error message will be displayed.
 - a. [A1: Invalid Credentials]
 1. User input incorrect username and password or choose the wrong role.
 2. User click <<Login>>
 3. System displays an error message and prompts the user to re-enter the username and password, or choose the right role.

2. Manage Koperasi Branches

- This use case manages the different koperasi branches. Administrator or admin, will manage this page.
- Admin chooses **Manage Branches** from the admin dashboard display.
- View branch:
 - a. [A2: View Branches]
 1. Admin select <<Manage branches>>
 2. System displayed the details of different koperasi branches (Branch name, location, branch manager).
- Add new branch:
 - a. [A3: Add New Branch]
 1. Admin select ‘Add New Branch’.
 2. System displays the branch details that need to be entered.
 3. Admin input the new **branch ID, branch name, location, and branch manager**.
 4. Admin click <<Submit>>, and the system will save the branch.
 5. The **location** and **branch manager** will be selected based on dropdown data that is available in the database.

- Edit branch:
 - a. [A4: Edit Branches]
 1. Admin click <<**Edit**>> after selecting one of the branches.
 2. System displays the branch details.
 3. Admin will enter the new **branch name** and **location**.
 4. Admin click <<**Save**>> and the system saves the data.
 5. The branch ID and branch manager will be in a read-only mode and cannot be changed.
- Delete branch:
 - a. [A5: Delete Branches]
 1. Admin select a branch and clicks <<**Delete**>>
 2. System will delete the branch and its details from the database.

3. Manage Printing Packages

- This use case manages the printing packages by the administrator.
- Admin can view the printing packages, create new packages, update, and delete the data.
- Create new package:
 - a. [A6: Create New Package]
 1. Admin clicks <<**Create New Package**>>
 2. It displays a form asking users to enter **package name**, **price**, **description**, and **status**.
 3. Admin clicks <<**Create**>>
 4. The **package ID** will be auto-generated.
 5. The package status is ‘Active’ by default.
- View printing packages:
 - a. [A7: View Packages]
 1. Admin clicks <<**Printing package**>>
 2. System will display the list of printing packages that includes package ID, package name, price, description, and status.
- Update printing packages:
 - a. [A8: Update Packages]
 1. Admin selects <<**Edit**>>
 2. System displays the details of the package.
 3. Admin will enter the new details of the package.
 4. Admin clicks <<**Save**>>
 5. System will save the new details and update the database.
 6. The package ID will be in read-only mode.

- Delete printing package:
 - a. [A9: Delete Packages]
 1. Admin clicks <<Delete>>
 2. System will delete the printing package and its details from the database.

MODULE 2 : MANAGE USER AND MEMBERSHIP POINT

(WAN NURUL BALQISH BINTI WAN MOHD GHAZALI, CA22066)

1. Manage User Registration and profile management

- This use case manages the user profile and registration flow. Administrator will be able to handle the account whether to edit, delete, update and view students accounts while the students may edit and update their profile.
- The actor that included for this use case is administrator and students.
- The administrator and student must register and log in the system.
- Administrator
 - The system displays a landing page for the administrator
 - Admin would be able to:
 - Manages profile [A1:Administrator profile]
 - Registered accounts for students [A2: Account registration]
- Registered students
 - The system displays a landing page for the students
 - Students would be able to:
 - Manages profile [A3: student profile]
 - Registered account [A4: Upload student card verification]
- Administrator (section)
 - a. [A1:Administrator profile]
 - Admin click on <<Manage profile>>
 - Admin would be able to:
 - View admin profile [A5: View administrator profile]
 - View student account[A6: View students account]
 - Admin clicks on back button then it will display the main page of the RapidPrint system.
 - b. [A2: Account registration]
 - Admin click on <<Registration>>
 - Admin would be able to:
 - create new users [A7:Add new account]
 - Admin clicks back button the it will display the main page of RapidPrint system.
- Registered Students (section)

- a. [A3: student profile]
 - students click on <<Manage profile>>
 - student would be able to:
 - edit and update profile [A8:Edit student profile]
 - Students click back button the it will display the main page of RapidPrint system.
 - b. [A4: Upload student card verification]
 - student clicks on << upload>>
 - Student would be able to:
 - upload their matric card for verification then they may click on <<save>>. Then, the system will save the application and will be verified by administrator.
- Administrator (section)
 - a. [A5: View administrator profile]
 - Admin click on <<Profile>>
 - System will display the profile page then may edit the profile, admin click on <<edit>>, after update the details admin click on <<save>>.
 - b. [A6:View student account]
 - Admin click on <<Student verification>>
 - System will display the page then admin may approve the student application by clicking on <<approve>>.
 - Student would be able to:
 - View [A9: View student profile]
 - c. [A7: Add new account]
 - Admin fills in the students's details, then click on <<submit>>
 - System will send a pop-up message.
- Registered Students (section)
 - a. [A8: Edit student profile]
 - Student click on <<Edit>>
 - System will display the edit profile interface , after update the details student click on <<save>>.
 - b. [A9: View student profile]
 - Student click on <<View>>
 - System will display the student details.

Module 2

2. Manage RapidPrint membership card and user dashboard

- This use case manages the membership applies flow and be able to view the dashboard where they can check information of printing and their details. Students will be able to receive a qr code after the application is complete.
 - The actor that included for this use case is student.
 - The students must register and log in the system.
 - Students
 - The system display a mainpage of student after login
 - Student would be able to:
 - Apply [A1:Apply membership]
 - Qr code [A2: Receive Qr Code]
 - View dashboard [A3: View dashboard]
 - Profile[A4: Student profile]
- a. [A1: Apply membership]
- Students click on <<Apply membership>>
 - The system will display a form of membership application
 - Students fill in the information and will click on <<submit>>
 - System will send a pop-up message.
- b. [A2: Receive Qr Code]
- The system creates s a Qr Code that is connected to the student's membership ID.
 - Student received the Qr Code which means the membership has been approved.
 - Student click on <<View Qr Code>> on their profile page.
 - Student may save or download the Qr Code.
- c. [A3: View Dashboard]
- Student click on << Dashboard>>
 - Student would be able to:
 - Points summary [A5: Points summary]
 - Account balance [A6: Account balance]
 - Students click back button then it will display the system interface.
- d. [A4: Student Profile]
- Student click on <<Profile>>,
 - Student would be able to:
 - Update profile [A7:Update profile]
 - Top-Up membership [A8: Top-up membership]
 - Cancel membership [A9: cancel membership]
 - Students click back button then it will display the profile interface.
- e. [A5: Points Summary]

- Student click on <<Point Summary>>
 - System will display the points earned and total points will be displayed.
- f. [A6: Account balance]
- Student click on <<Balance>>
 - System will display the current balance.
- g. [A7: Update profile]
- Student click on <<profile>>, then click on <<Update>>
 - System display the edit field for student details, then after update student may click <<save>>.
 - System will display confirmation message.
- h. [A8: Top-Up membership]
- Student click on <<Top-up>>, then system display payment form
 - Student may enter the top-up amount and payment method
 - Then system will updates the balance after completing the transaction.
- i. [A9: Cancel membership]
- Student click on <<Cancel membership>>, then system will ask the confirmation.
 - System will display the success message.

(Module 3) : Manage printing order and payment

(NURAINA SYAMIMI BINTI MOHAMMAD WALA'ASIRI, CA22082)

1. Manage printing order and payment

- This case focused on making the order of the printing that is made by the user. The user will be in charge of the account as the user is allowed to add, cancel (within specific duration), update and view the order. The user is also allowed to redeem the point for purchase made and non-registered users are also able to make orders but will not receive order points.
- The actors that are included in this use case are students.
- All students must enter the system in order to view the interface.
- Registered students
 - The system view the interface for the students
 - Students would be able to:
 - makes order [A1: Make order]
 - confirms order information [A2: proceed to checkout]
 - chooses payment method [A3: Payment method]
 - redeems point purchase [A4: Redeem point]
- Unregistered students
 - The system view the interface for the students
 - Students would be able to:
 - makes order [A1: Make order]
 - confirm order information [A2: Proceed to checkout]
 - chooses payment method [A3: Payment method]
- Registered students (section)
 - a. [A1: Make order]
 - User click on <<Make Order>>
 - The system will display the available printing packages that can be chosen
 - The user would be able to :
 - Add [A5: Add order]
 - Cancel [A6: Cancel order]
 - Update [A7: Update order]
 - View [A8: View order]
 - b. [A2: Proceed to checkout]
 - Continuing from [A8: View order] after the user satisfy with the order, user click on <<Proceed>> and bring user to [A3: Payment method]
 - c. [A3: Payment method]
 - the system will view the selection of payments which consist of membership card payment and cash

- If the user wish to use the first payment option, click on <<Membership Card Payment>>
 - If the user select the section payment option, click on <<Cash>>
 - After completing the order, the system will generate a qr code for user to scan and after scanning, the system will display the status to ‘Ordered’
 - d. [A4: Redeem point]
 - the system will display the point that being offered for the user to receive
 - user will click on <<Redeem>> to acquire the point
- Unregistered students (section)
- a. [A1: Make order]
 - User click on <<Make Order>>
 - The system will display the available printing packages that can be chosen
 - The user would be able to :
 - Add [A5: Add order]
 - Cancel [A6: Cancel order]
 - Update [A7: Update order]
 - View [A8: View order]
 - b. [A2: Proceed to checkout]
 - Continuing from [A8: View order] after the user satisfy with the order, user click on <<Proceed>> and bring user to [A3: Payment method]
 - c. [A3: Payment method]
 - the system will view the selection of payments which consist of membership card payment and cash
 - If the user wish to use the first payment option, click on <<Membership Card Payment>>
 - If the user select the section payment option, click on <<Cash>>
 - After completing the order, the system will display the status to ‘Ordered’
- Registered students (section)
- a. [A5: Add order]
 - The user will click on <<Add Order>> to make another order after the previous one
 - b. [A6: Cancel order]
 - The user will click on <<Cancel Order>> at the right side of each order if wish to cancel it
 - c. [A7: Update order]
 - After adding new order at [A5: Add order], user will click on <<Update>>
 - d. [A8: View order]

- After finishing all the orders, the user will click on <<View Order>> and the system will display the list of orders made
- Unregistered students (section)
 - a. [A5: Add order]
 - The user will click on <<Add Order>> to make another order after the previous one
 - b. [A6: Cancel order]
 - The user will click on <<Cancel Order>> at the right side of each order if wish to cancel it
 - c. [A7: Update order]
 - After adding new order at [A5: Add order], user will click on <<Update>>
 - d. [A8: View order]
 - After finishing all the orders, the user will click on <<View Order>> and the system will display the list of orders made

Module 4: Manage Printing

Manage Printing Orders

This use case focuses on managing printing orders that are placed by customers. The staff acts as the main actor, handling the order processing and ensuring its successful completion. The staff is responsible for checking the validity of the orders, accepting them, updating or deleting order details, and generating invoices.

- **Primary Actor:** Staff
- **Secondary Actor:** System

Functionality Overview:

Staff members interact with the system to:

1. **View and Validate Orders:** Check orders placed by customers to ensure validity.
2. **Update or Delete Orders:** Modify or remove orders before generating invoices.
3. **Generate Invoices:** Create and manage invoices for valid orders.
4. **Mark Orders as Completed:** Update the order status to "Order Completed" once the printing is finished.
5. **Monitor Performance:** View graphical reports related to their sales and points earned.

Steps in the Use Case:

Staff (Section)

[A1: View Orders]

- Staff clicks on <<View Orders>>.
- The system displays the list of orders placed by customers.

[A2: Validate Orders]

- Staff selects an order to check its details and ensure it is valid.
- Staff clicks on <<Validate Order>> to approve the order for processing.

[A3: Update or Delete Orders]

- After selecting an order, staff can:
 - Click <<Update Order>> to modify the order details.
 - Click <<Delete Order>> to remove invalid or incorrect orders.

[A4: Generate Invoice]

- Staff clicks on <<Generate Invoice>> after validating the order.
- The system generates an invoice and displays it for staff review.

[A5: Mark as Completed]

- Staff clicks <<Mark as Completed>> after the printing process is finished.
- The system updates the order status to "Order Completed," making it visible to the customer for collection.

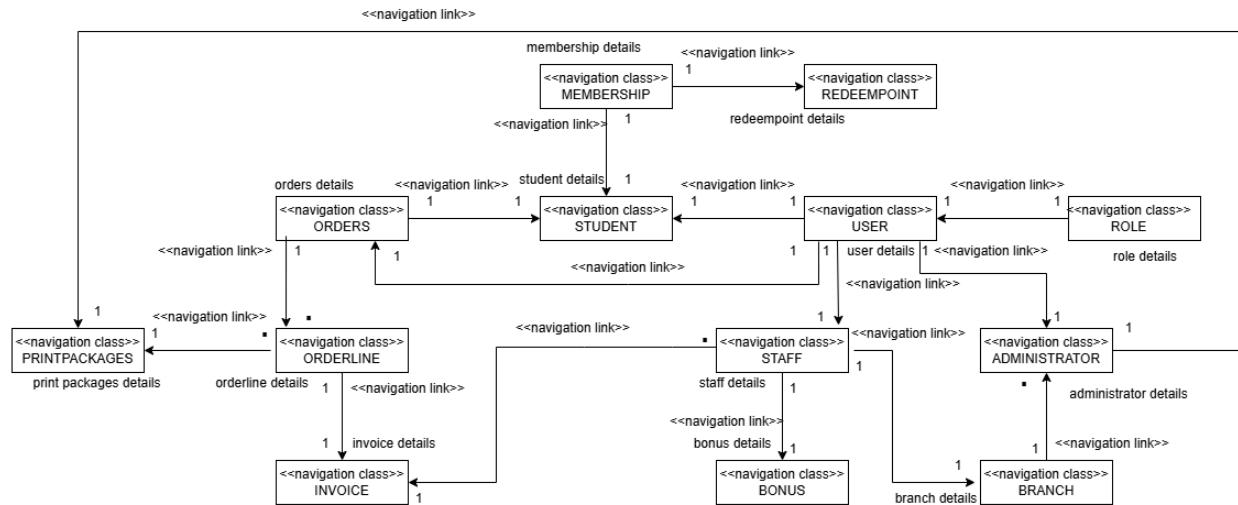
[A6: View Reports]

- Staff clicks <<View Reports>> to access a graphical overview of sales performance and points earned.

[A7: Generate QR Code]

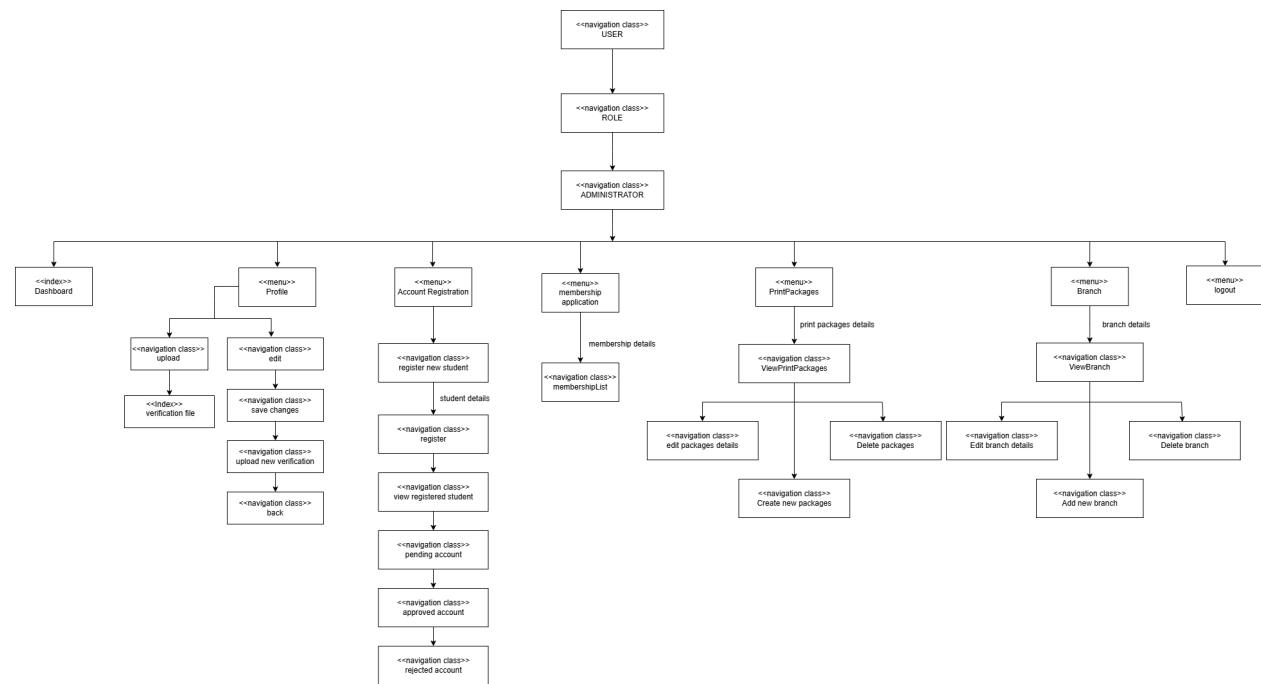
- The system generates a QR code for staff containing their profile, accumulated sales, and bonus information.

HYPertext

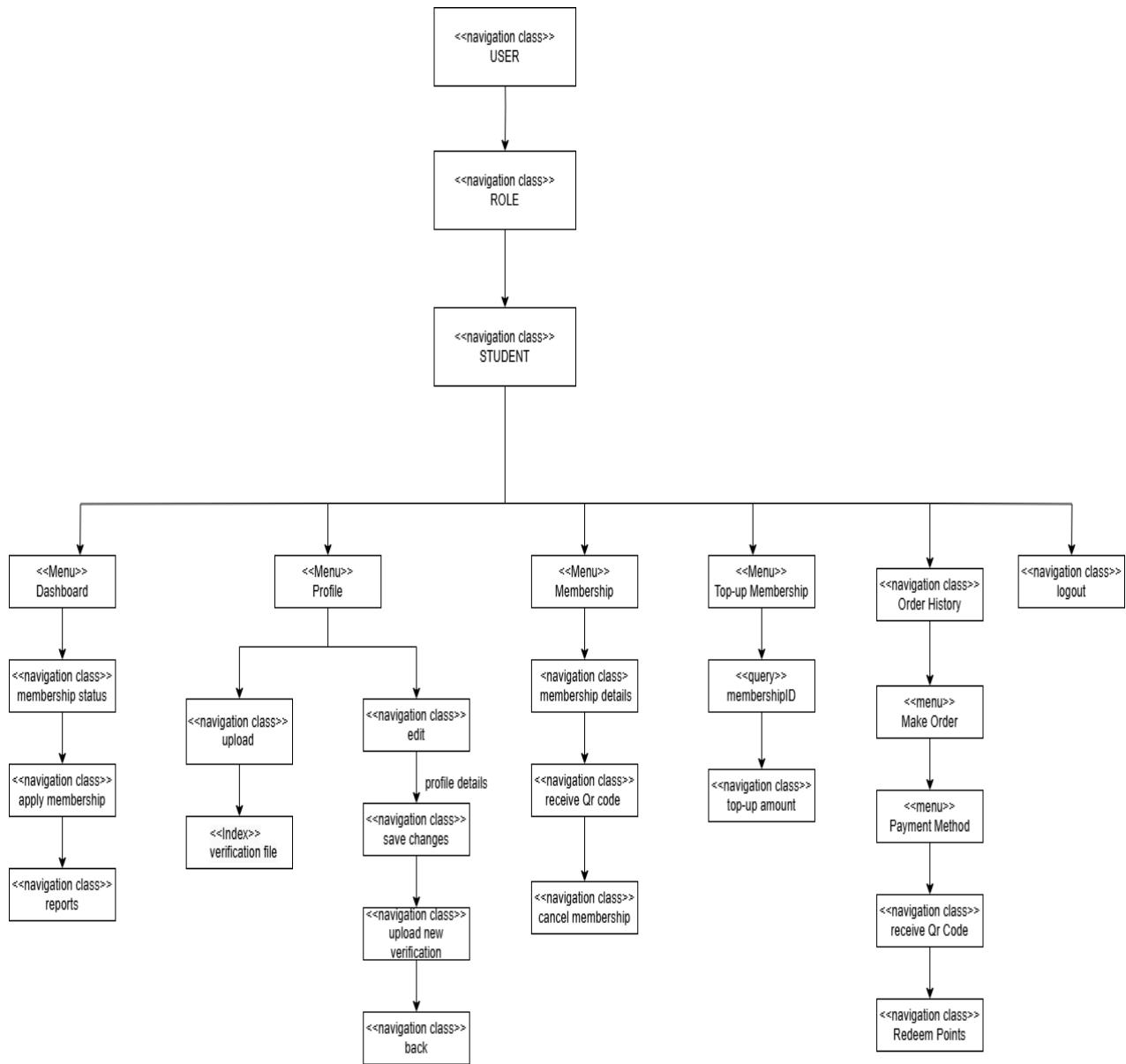


7.0 ACCESS MODEL

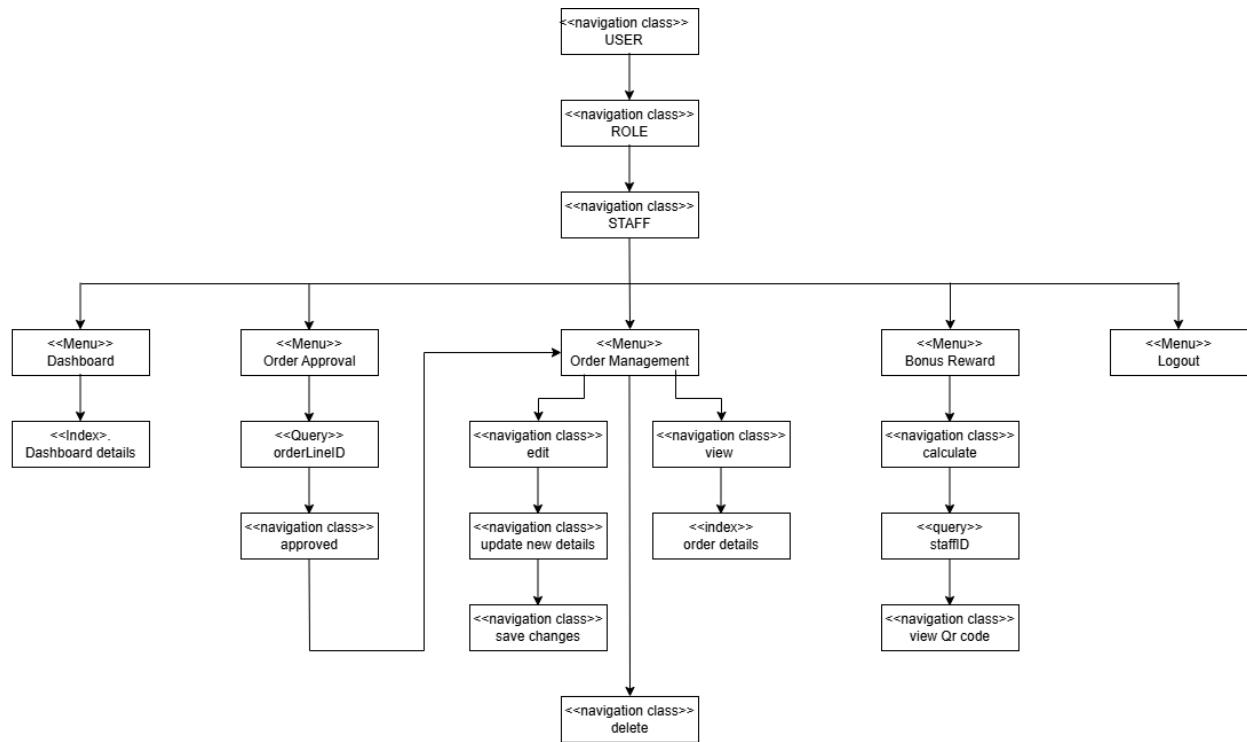
ADMINISTRATOR



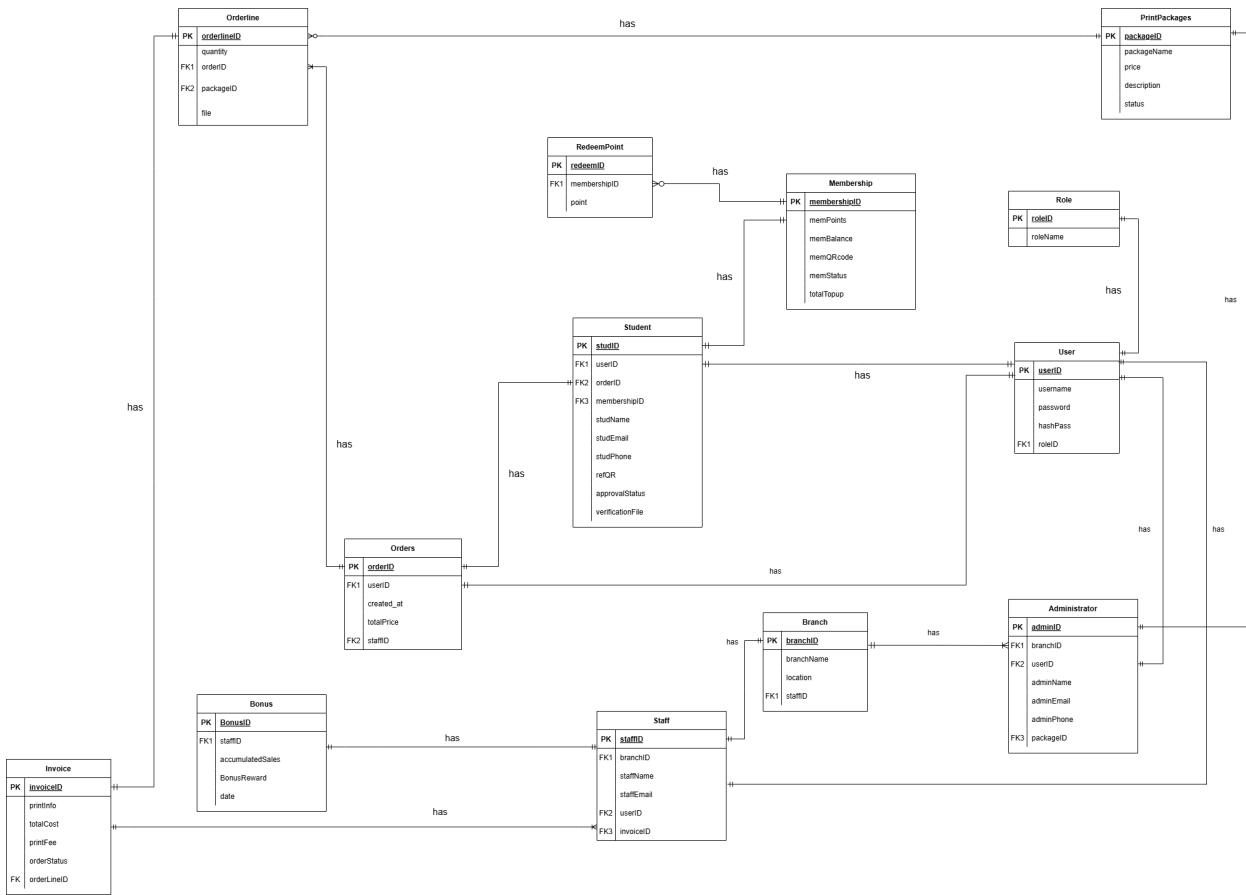
STUDENT



STAFF



8.0 ERD (3NF)



9.0 DATA DICTIONARY

Module 1 (WARDATUL JANNAH BINTI MOHD NAZIR, CA22049)

User

Field Name	Description	Data Type	Constraint
UserID	User ID	INT	PK, NOT NULL
Username	Username	VARCHAR(30)	
Password	User password	VARCHAR(10)	
RoleID	User role (Student, Admin, Staff)	TINYINT(3)	FK
hashPass	Encrypted password	VARCHAR(255)	

Role

Field Name	Description	Data Type	Constraint
RoleID	Role ID	TINYINT(3)	PK, NOT NULL
RoleName	The name of the role	VARCHAR(10)	

Branch

Field Name	Description	Data Type	Constraint
branchID	Branch ID	VARCHAR(20)	PK, NOT NULL
branchName	Name of branch	VARCHAR(100)	
location	Branch location	VARCHAR(200)	
staffID	Staff ID	VARCHAR(10)	FK

PrintingPackage

Field Name	Description	Data Type	Constraint
packageID	Package ID	VARCHAR(10)	PK, NOT NULL
packageName	Package name	VARCHAR(100)	
price	Package price	DECIMAL(10,2)	
description	Package description	VARCHAR(200)	
status	Package status (Active/Suspended)	VARCHAR(20)	

Module 2 (WAN NURUL BALQISH BINTI WAN MOHD GHAZALI, CA22066)

Administrator

Field Name	Description	Data Type	Constraint
Admin_ID	Administrator id	VARCHAR(10)	PK, NOT NULL
branchID	Branch Id	VARCHAR(10)	FK
packageID	Package id	VARCHAR(10)	FK
userID	User id	INT(11)	FK
admin_Name	Administrator name	VARCHAR(100)	
admin_Email	Administrator email	VARCHAR(25)	
admin_PhoneNumb	Administrator phone number	VARCHAR(11)	

Student

Field Name	Description	Data Type	Constraint
studID	Student id	VARCHAR(10)	PK, NOT NULL
userID	User id	INT(11)	FK
orderID	Order id	INT(4)	FK
membershipID	Membership id	VARCHAR(10)	FK
studName	Student name	VARCHAR(100)	
studEmail	Student email	VARCHAR(25)	
studPhoneNumb	Student phone number	VARCHAR(11)	
refQR	Qr code	LONGLOB	
approvalStatus	Status approval (Approve/reject)	VARCHAR(100)	
verificationFile	Verification file	VARCHAR(100)	

Membership

Field Name	Description	Data Type	Constraint
Membership_ID	Membership id	VARCHAR(10)	PK, NOT NULL
Stud_ID	Student id	VARCHAR(10)	FK
memPoints	Collected points through membership	INT(15)	
memBalance	Current balance in the membership card	DECIMAL(10,2)	
memStatus	Shows that whether the membership is active or canceled	VARCHAR(15)	
memQrCode	Get the membership completed QR code data	LONGLOB	
totalTopUp	Total amount that have been topup	DECIMAL(10,2)	

Module 3

(NUR AININA SYAMIMI BINTI MOHAMMAD WALA'ASIRI, CA22082)

Orders

FIELD NAME	DESCRIPTION	DATA TYPE	CONSTRAINT
orderID	Order id	INT(11)	PK, NOT NULL
userID	User id	INT(11)	
orderStatus	Status of order	VARCHAR(100)	
created_at	Date of order placed	DATETIME	
totalPrice	Total price of order	DECIMAL(10,2)	

OrderLine

FIELD NAME	DESCRIPTION	DATA TYPE	CONSTRAINT
orderLineID	Orderline ID	INT(11)	PK, AUTO INCREMENT
quantity	Quantity of packages	INT(100)	
orderID	Order id	INT (11)	FK
file	File uploaded	VARCHAR(255)	
packageID	Package id	VARCHAR(10)	FK

redeempoint

FIELD NAME	DESCRIPTION	DATA TYPE	CONSTRAINT
redeemID	Redeem id	VARCHAR(10)	PK, NOT NULL
membershipID	Membership id	VARCHAR(10)	FK
point	Redeem point	INT (3)	

Module 4 (SITI NURDINA BINTI ZAINUDDIN @ ZENAH CA22040)

staff

FIELD NAME	DESCRIPTION	DATA TYPE	CONSTRAINT
staffID	Staff ID	VARCHAR(10)	PK, NOT NULL
branchID	Branch ID	VARCHAR(10)	FK
userID	User ID	INT(10)	FK
staffName	Staff's name	VARCHAR(100)	
staffEmail	Staff's email	VARCHAR(25)	

Invoice

FIELD NAME	DESCRIPTION	DATA TYPE	CONSTRAINT
invoiceID	Invoice ID	INT	PK, NOT NULL
OrderLineID	Orderline ID	INT(11)	FK
printInfo	Details of the order	VARCHAR(200)	
totalCost	Total cost for the printing	INT	
printFee	Fee for each of printing	DECIMAL(10,2)	
orderStatus	Status for printing order	VARCHAR(20)	

Bonus

FIELD NAME	DESCRIPTION	DATA TYPE	CONSTRAINT
BonusID	Bonus ID	VARCHAR(10)	PK, NOT NULL
staffID	Staff ID	VARCHAR(10)	FK
accumulatedSales	Staff's sale	DECIMAL(10,2)	
BonusReward	Staff's bonus based on sales	INT	
date	date	DATETIME	
BonusQr	Qr code for bonus detail	LONGLOB	

10.0 SAMPLE DATA

Module 1 (WARDATUL JANNAH BINTI MOHD NAZIR, CA22049)

User

UserID	Username	Password	hashPass	Role
1	Aina001	AinaJwa333	\$2y\$10\$VgA3WYEE4NzOFqb4MOYI1egW0dMwxrlXBGLyw1Xzey3	3
2	Koop20	koperasi20@	\$2y\$10\$LO0DEELBbXR8vaLk2YNurehhahNqGCRo3udl1laBJf5	1
3	Ptkm555	petakom001	\$2y\$10\$o17FMMwcSQwwmyyEe7ZU8OaUcs.7boJ4ei0Ke/7h7DZ	1
4	DianaS3	DianStr202	\$2y\$10\$2i3VG0vMvFBQzQeA24YnLeRV/8wFetMSIwiVbCztrfn	2

Role

RoleID	RoleName
1	Admin
2	Staff
3	Student

Branch

BranchID	BranchName	Location	StaffID
BP001	Koop C	Pekan	S00101
BP002	Koop FKOM	Pekan	S00102
BG003	Koop FIM	Gambang	S00103
BG004	Koop A	Gombak	S00104

PrintingPackage

PackageID	PackageName	Price	Description	Status
P001	Black and White	0.20	Per page	Active
P002	Color Printing	1.50	Per page	Active
P003	Happy hour: color (10am - 12pm)	10.00	Per 5 pages (Machine under maintenance)	Suspended
P004	Premium (include binding)	20.00	Per 15 pages	Active

Module 2 (WAN NURUL BALQISH BINTI WAN MOHD GHAZALI, CA22066)

Administrator

Admin_ID	branchID	packageID	userID	Admin_Name	Admin_Email	Admin_PhoneNumb
A01	B01	P01	1	Nur Athirah	atyra11@gmail.com	013-2345671
A02	B02	P02	2	Fathin Amirah	fatyn02@gmail.com	012-1237890
A03	B03	P03	3	Aisyah Maisarah	mysara10@gmail.com	010-1237896
A04	B04	P04	4	Nurul Fatihah	nurul02@gmail.com	017-9192946
A05	B05	P05	5	Aimi	aimy09@gmail.com	018-9154678

Student

Stu_d_ID	orderID	membe_rshipID	user_ID	Stud_Name	Stud_Email	Stud_PhoneNum_b	refQR	approva_lStatus	verificat_ionFile
CA01	1	M001	1	Ahmad bin Amin	ahmad11@gmail.com	018-1213567		approve	../Student/uploads/myself.jpg
CB02	2	M002	2	Afiq bin Hamid	afyq09@gmail.com	012-0908076		reject	../Student/uploads/me.jpg
CA03	3	M003	3	Haziq bin Razak	zyyq12@gmail.com	013-9180235		approve	../Student/uploads/self.jpg
CB04	4	M004	4	Batriska binti Halim	bat08@gmail.com	017-1256780		approve	../Student/uploads/stud1.jpg

CA05	5	M005	5	Zetty binti Hakeem	zet02@gmail.com	011-1125679		reject	../Student/uploads/stud2.jpg
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Membership

Membershi p_ID	Stud _ID	Membershi p_Points	Membersh ip_Balance	Membershi p_Status	Membersh ip_QrCode	Total _Top up
M001	CA01	100	50.00	Active		70.00
M002	CB02	250	75.00	Active		90.00
M003	CA03	125	60.00	Active		100.00
M004	CB04	200	80.00	Active		120.00
M005	CA05	56	2.00	Not Active		30.00

Module 3 (NUR AININA SYAMIMI BINTI MOHAMMAD WALA'ASIRI, CA22082)

orders

orderID	userID	orderStatus	created_at	totalPrice
152	14	completed	2025-01-09 06:30:54	190.00
153	1	completed	2025-01-09 06:37:35	30.00
154	2	pending	2025-01-09 07:24:02	40.00

orderline

orderlineID	quantity	orderID	file	packageID
104	7	152	Assignment 1.docx	PK1003
105	6	152	CA22082. Assignment 1.1B.pdf	PK1004
106	3	153	Lab Tutorial 1.pdf	PK1003

redeem point

RedeemID	membershipID	point
1	MEM0001	5
2	MEM0002	5
3	MEM0003	5

Module 4 (SITI NURDINA BINTI ZAINUDDIN @ ZENAH CA22040)

Staff

staffID	staffName	staffEmail	branchID	userID
S00001	Staff Manager	manager@gmail.com	BP001	19
S00101	Siti Nurdina	ssinz@yahoo.com	BP001	40
S00102	Abdullah	aabc@gmail.com	BP003	34
S00103	Fatimah Zahra	ftaza@gmail.com	BP002	37

Invoice

invoiceID	printInfo	totalCost	printFee	orderStatus	OrderLineID
V01	Black and white pdf file 10 pieces	1.00	0.20	completed	112
V02	Coloured jpg file 200 pieces	100.00	0.50	completed	123
V03	Coloured pdf file 90 pieces	45.00	0.50	collected	107
V04	Coloured png file 20 pieces	10.00	0.50	pending	108

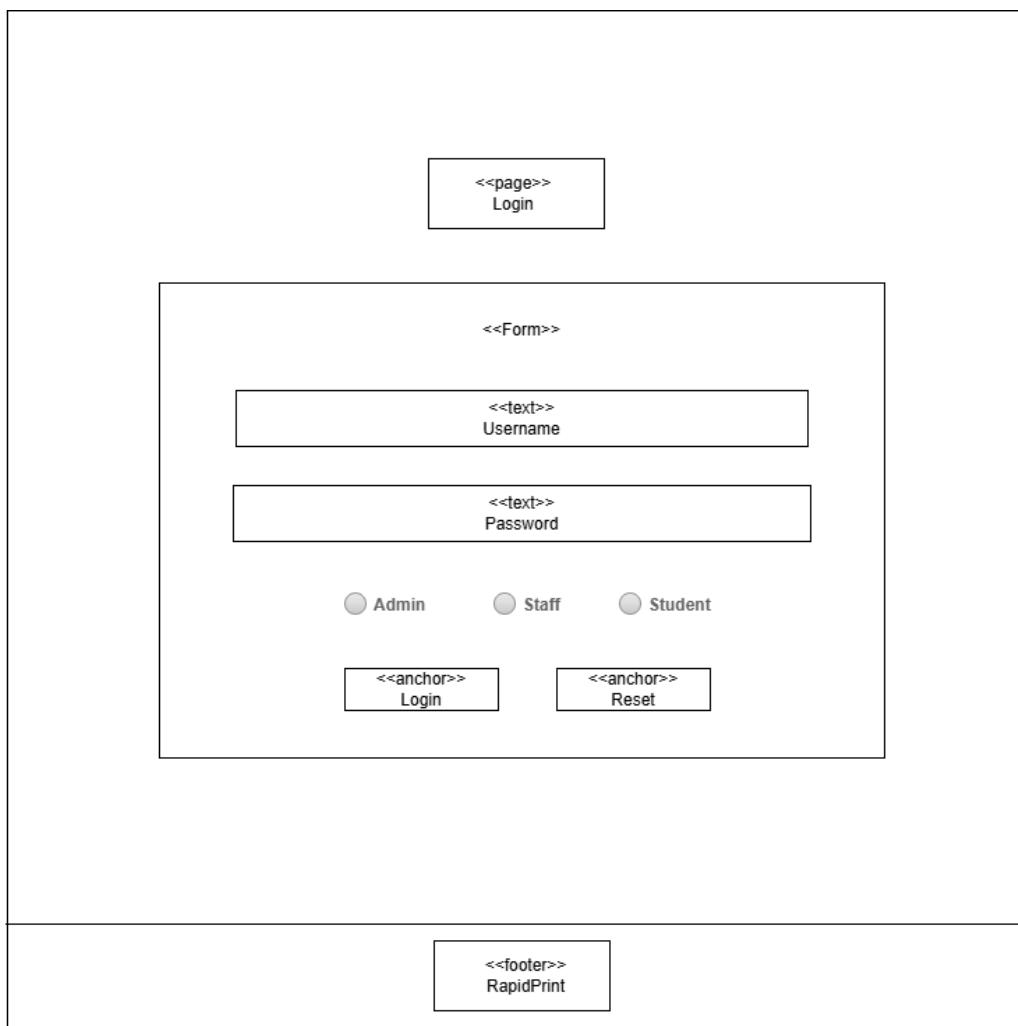
Bonus

BonusID	accumulatedSales	bonusReward	date	BonusQr	staffID
BS01	388	120	16/1/2025		S00101
BS02	290	80	2/1/2025		S00103
BS03	90	0	22/1/2025		S00102
BS04	212	50	9/1/2025		S00104

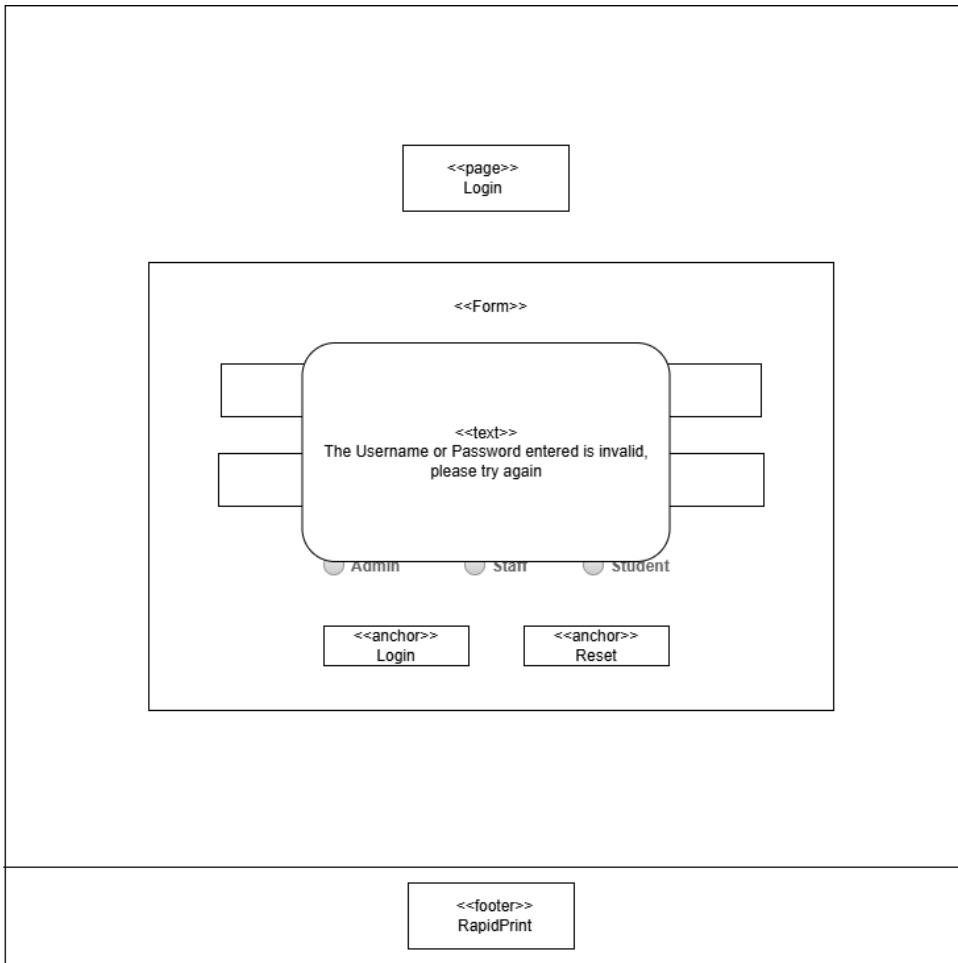
11.0 PROPOSED DESIGN

MODULE 1 : LOGIN, MANAGE KOPERASI BRANCH AND PRINTING PACKAGE
(WARDATUL JANNAH BINTI MOHD NAZIR, CA22049)

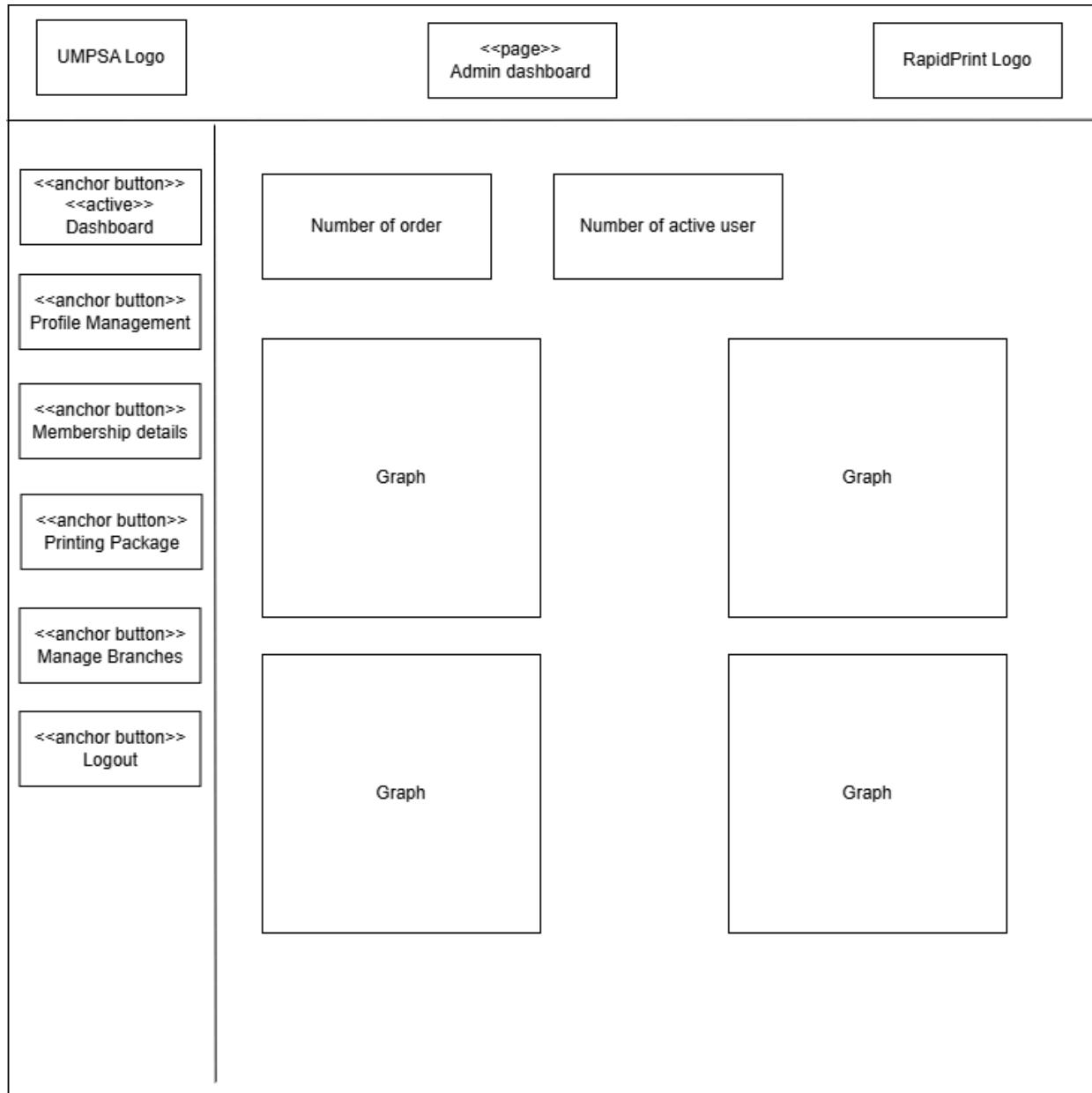
Login



Invalid login

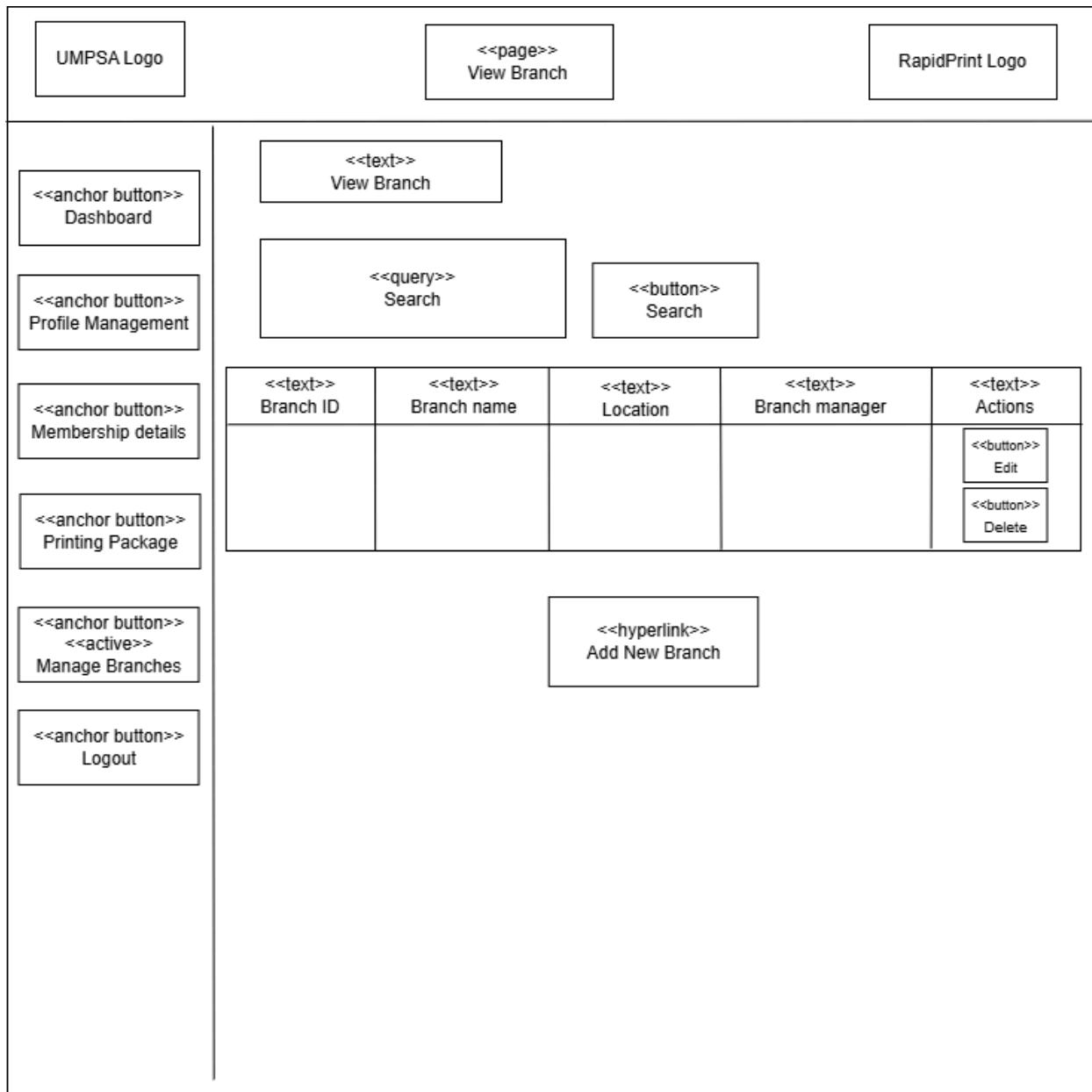


Admin dashboard



Manage branches

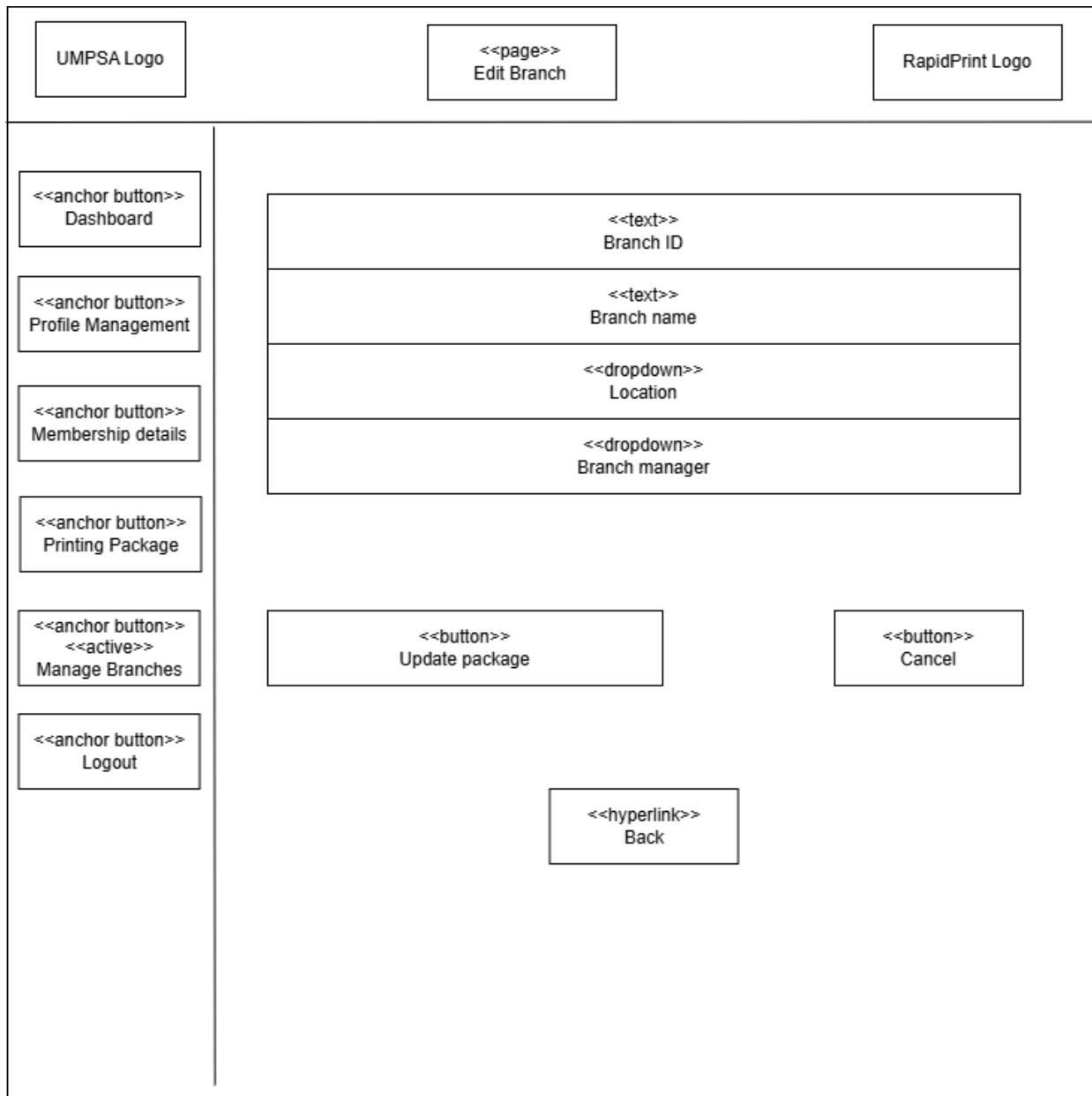
View branch



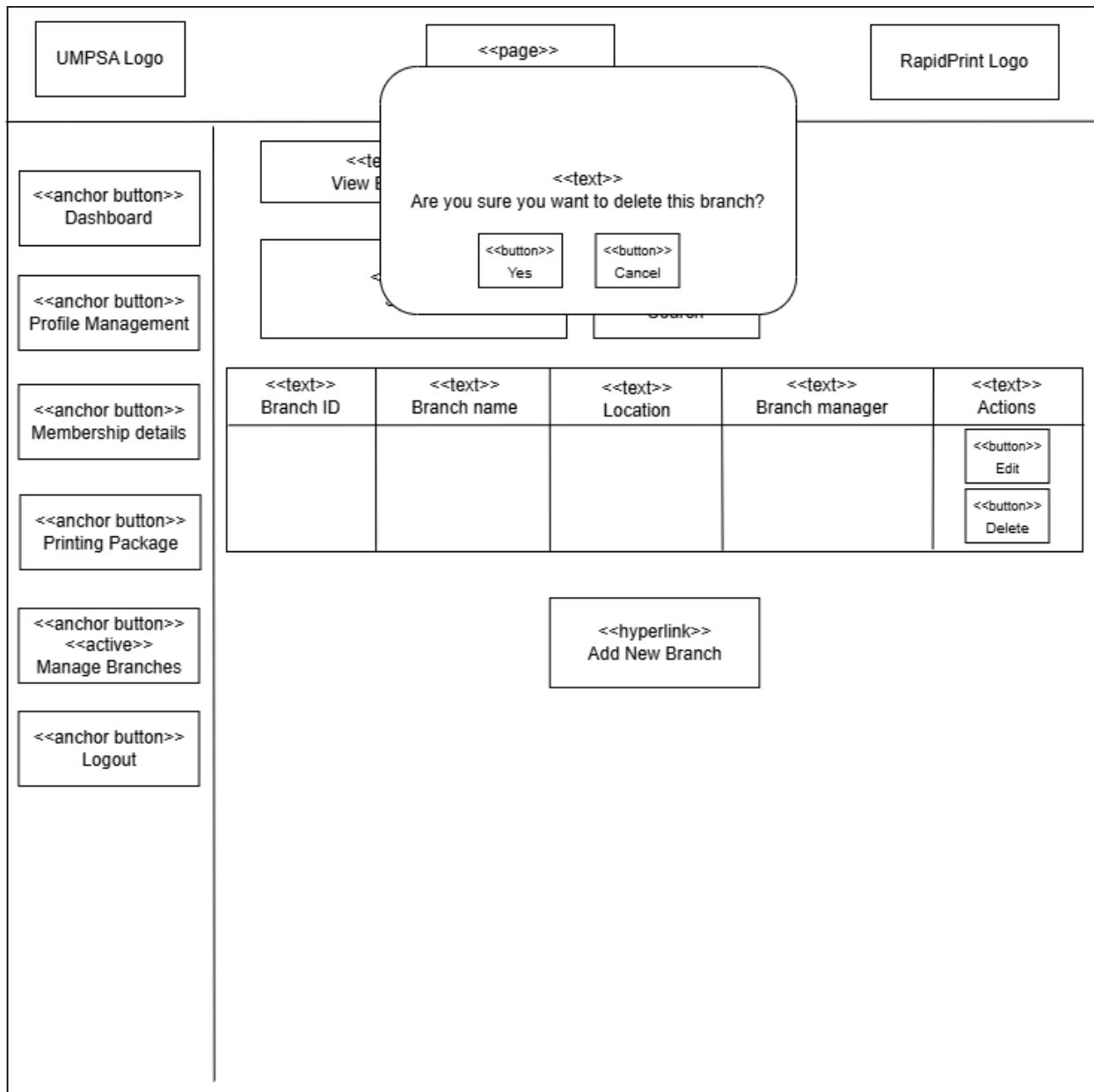
Add new branches

<p>UMPSA Logo</p>	<p><<page>> Add new Branch</p>	<p>RapidPrint Logo</p>
<p><<anchor button>> Dashboard</p> <p><<anchor button>> Profile Management</p> <p><<anchor button>> Membership details</p> <p><<anchor button>> Printing Package</p> <p><<anchor button>> <<active>> Manage Branches</p> <p><<anchor button>> Logout</p>	<p><<text>> Branch ID</p> <p><<text>> Branch name</p> <p><<dropdown>> Location</p> <p><<dropdown>> Branch manager</p> <p><<button>> Reset</p> <p><<button>> Submit</p> <p><<hyperlink>> Back</p>	

Edit branches

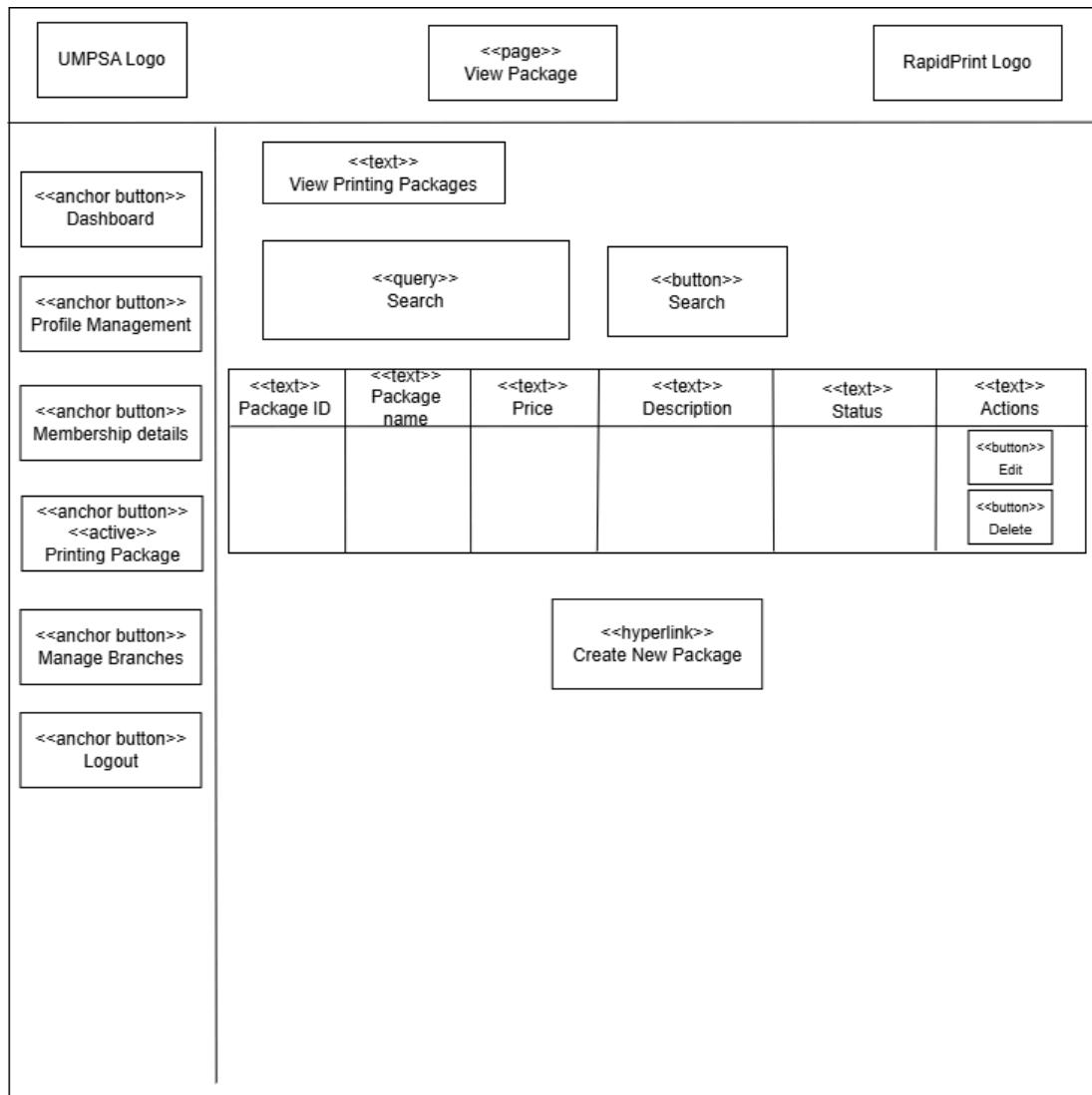


Delete branches

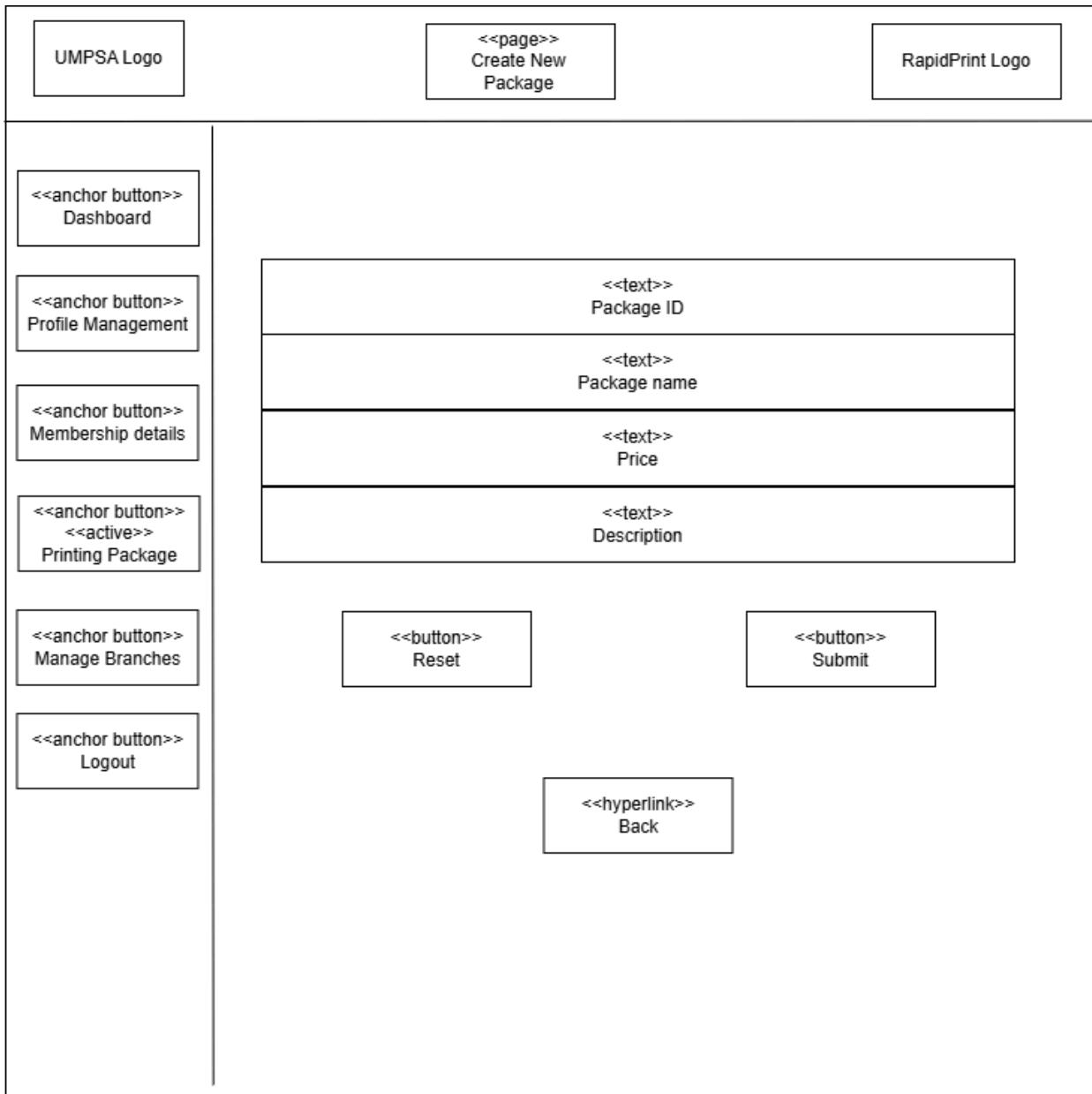


Manage printing packages:

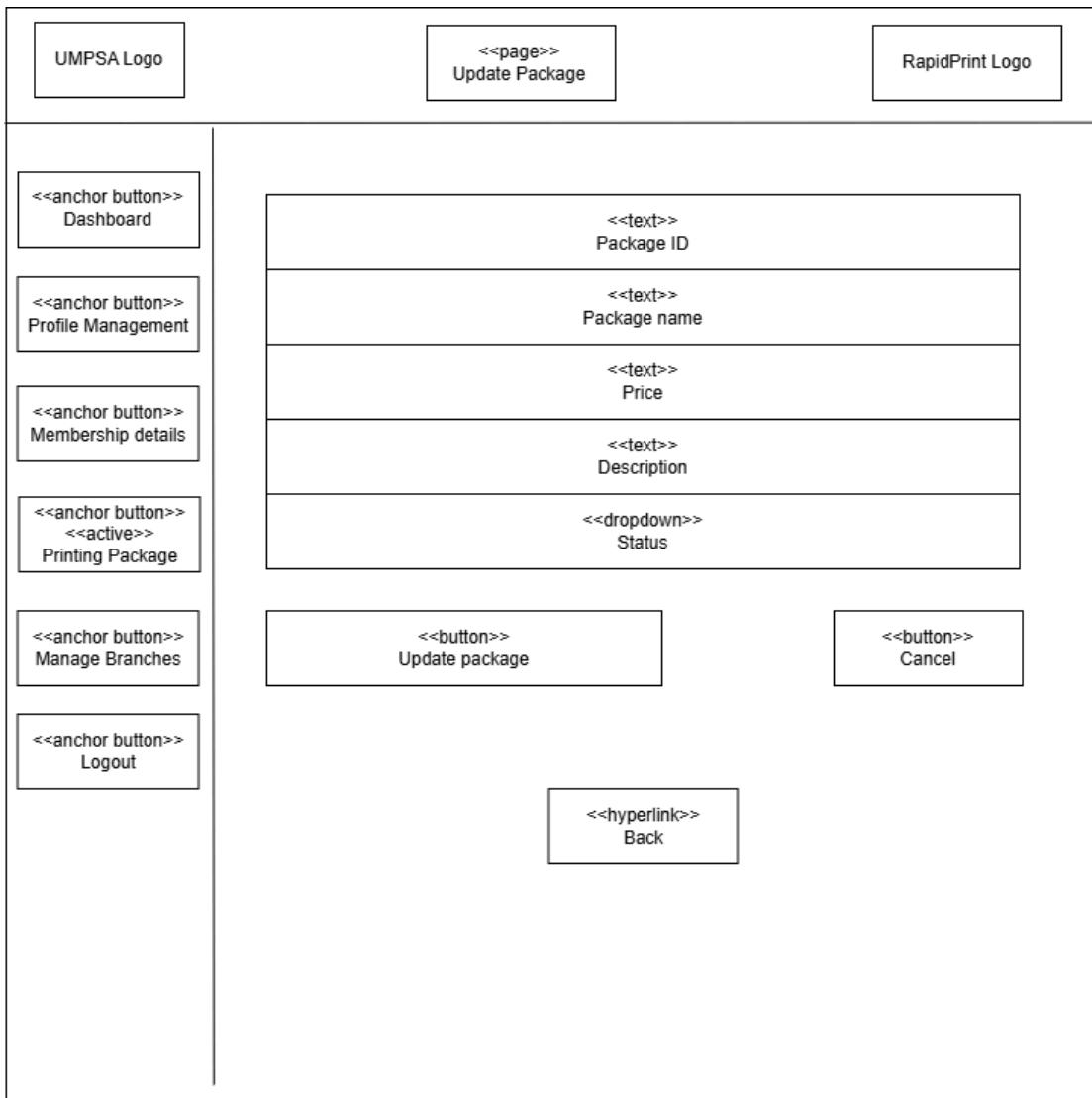
View print packages



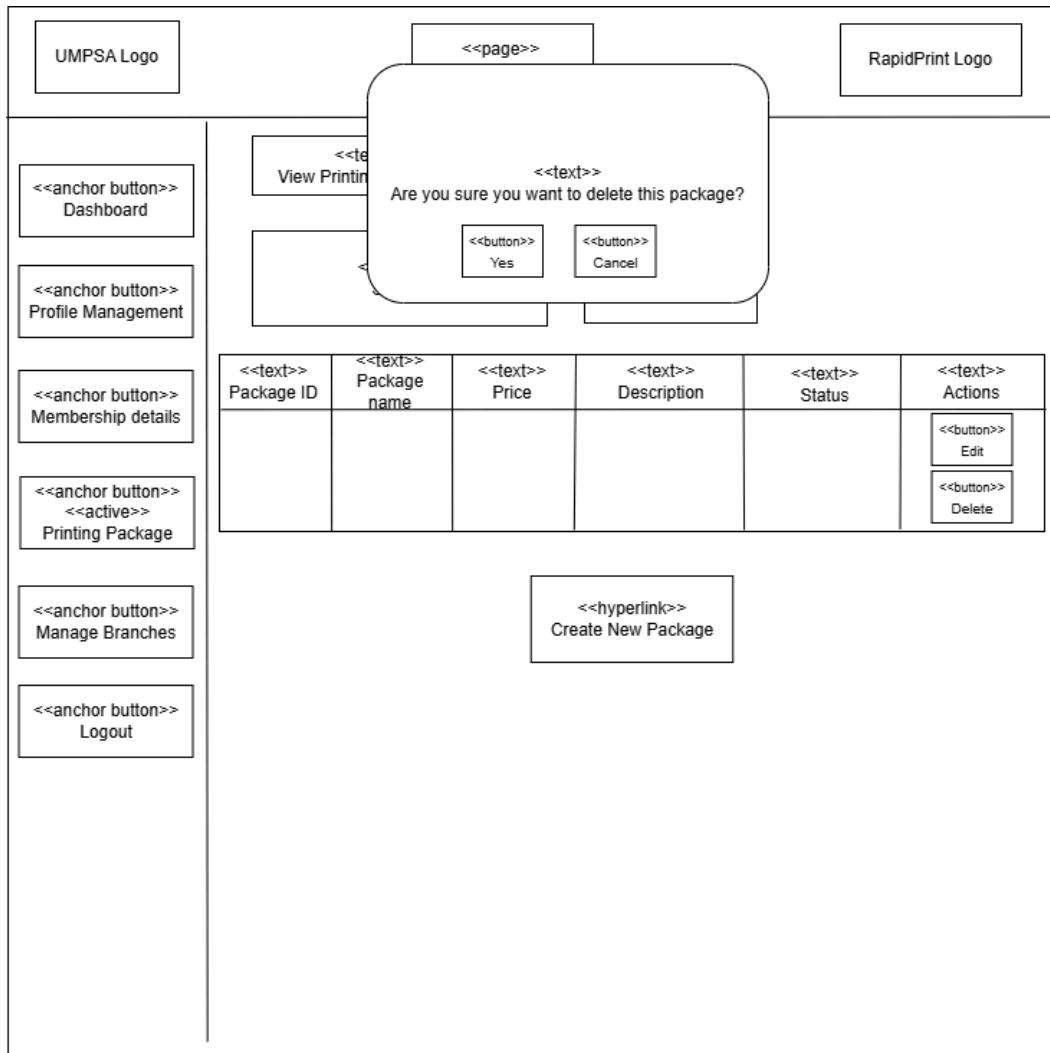
Create new package



Update package



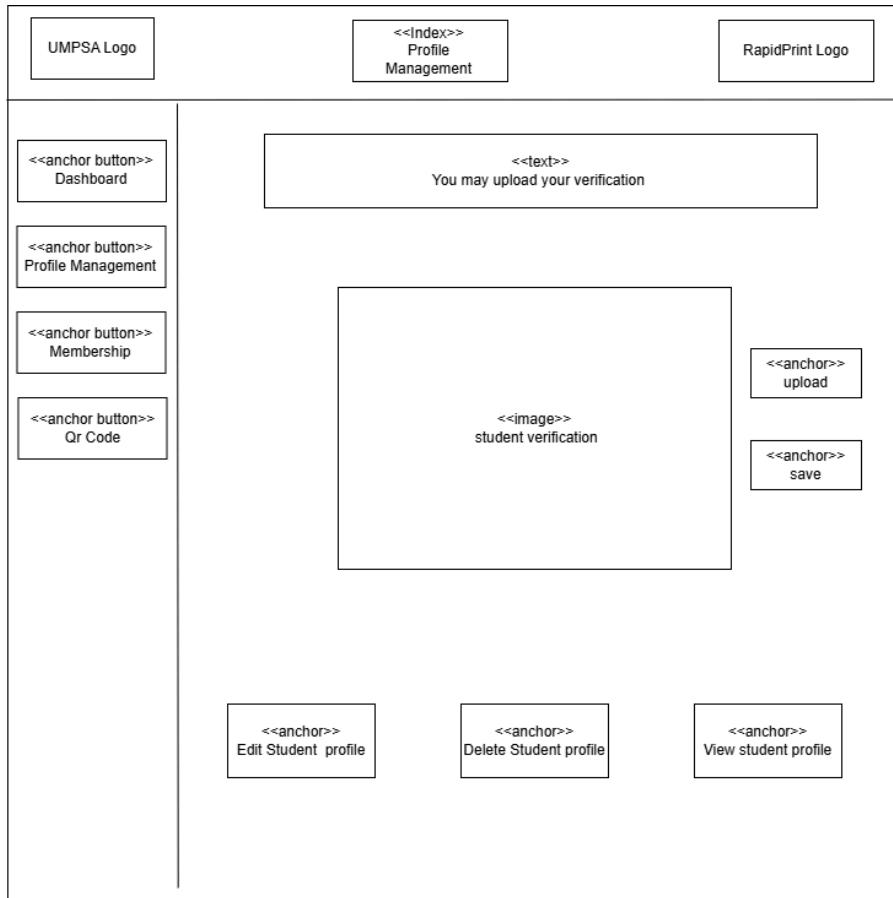
Delete package



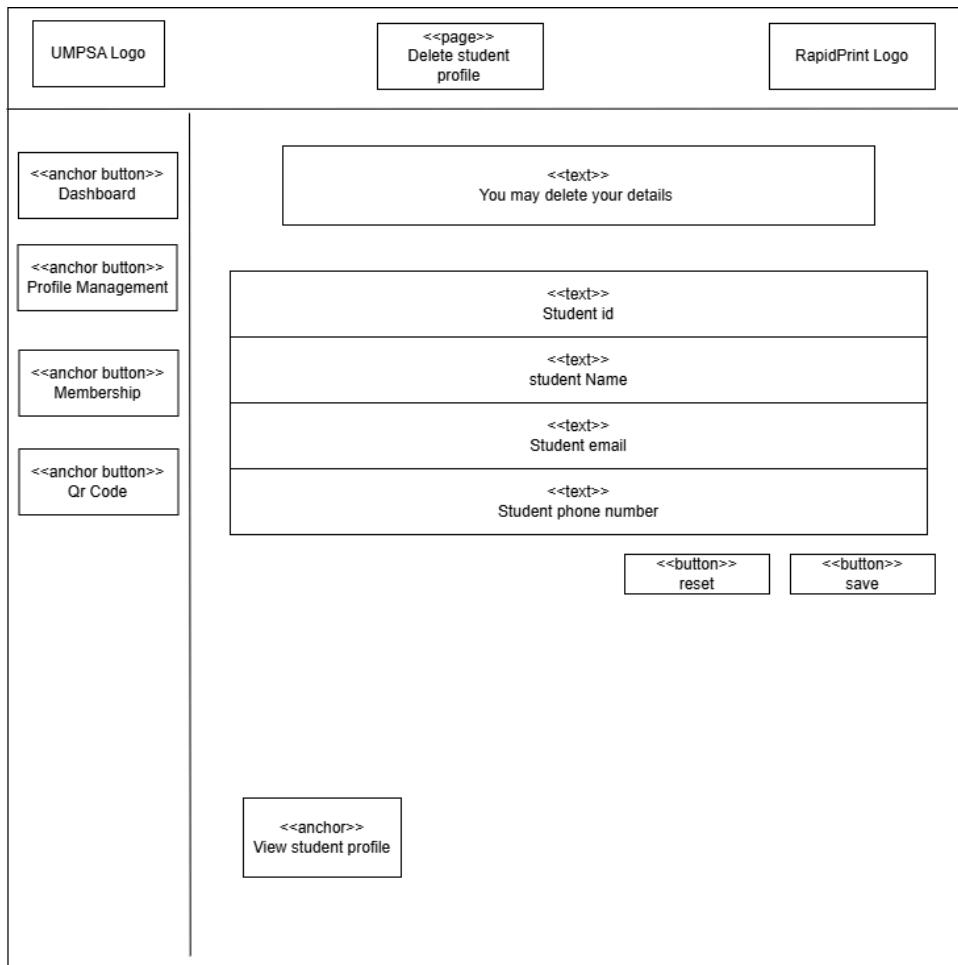
MODULE 2 : MANAGE USER AND MEMBERSHIP POINT
(WAN NURUL BALQISH BINTI WAN MOHD GHAZALI, CA22066)

STUDENT

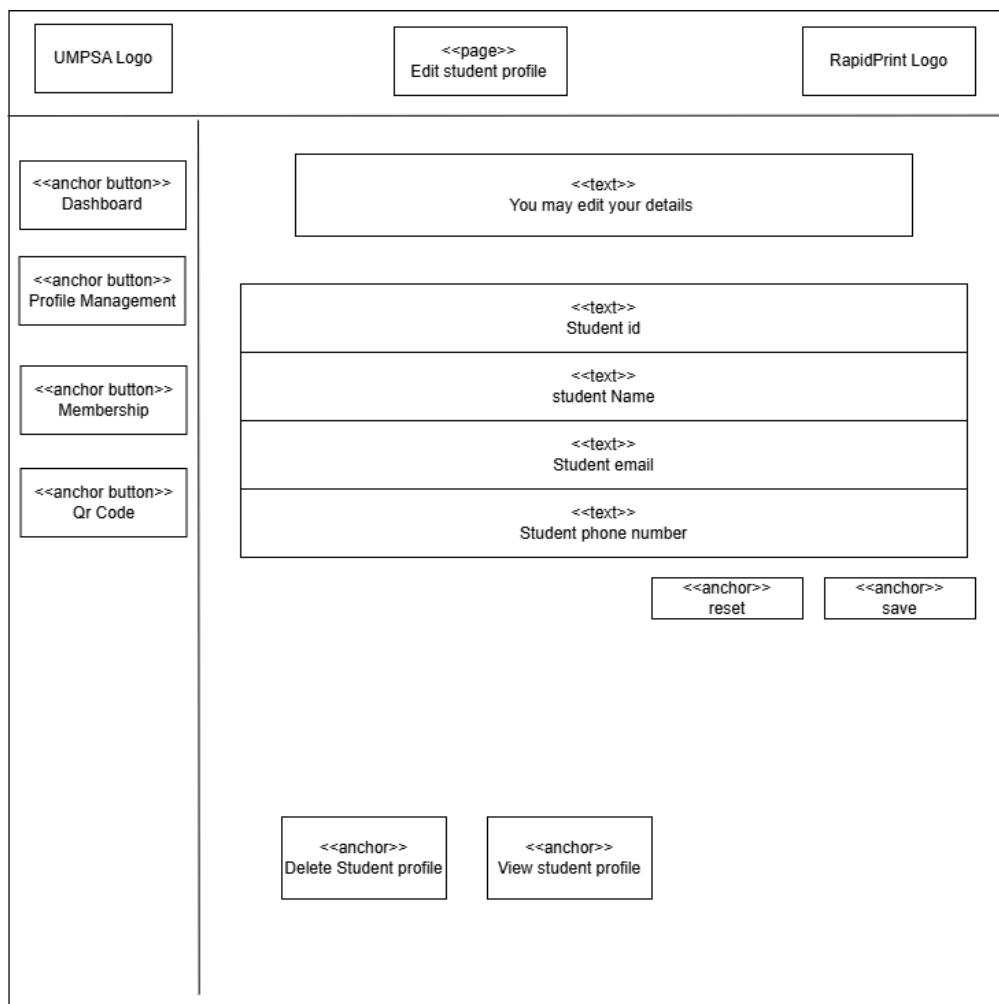
1.0 PROFILE MANAGEMENT



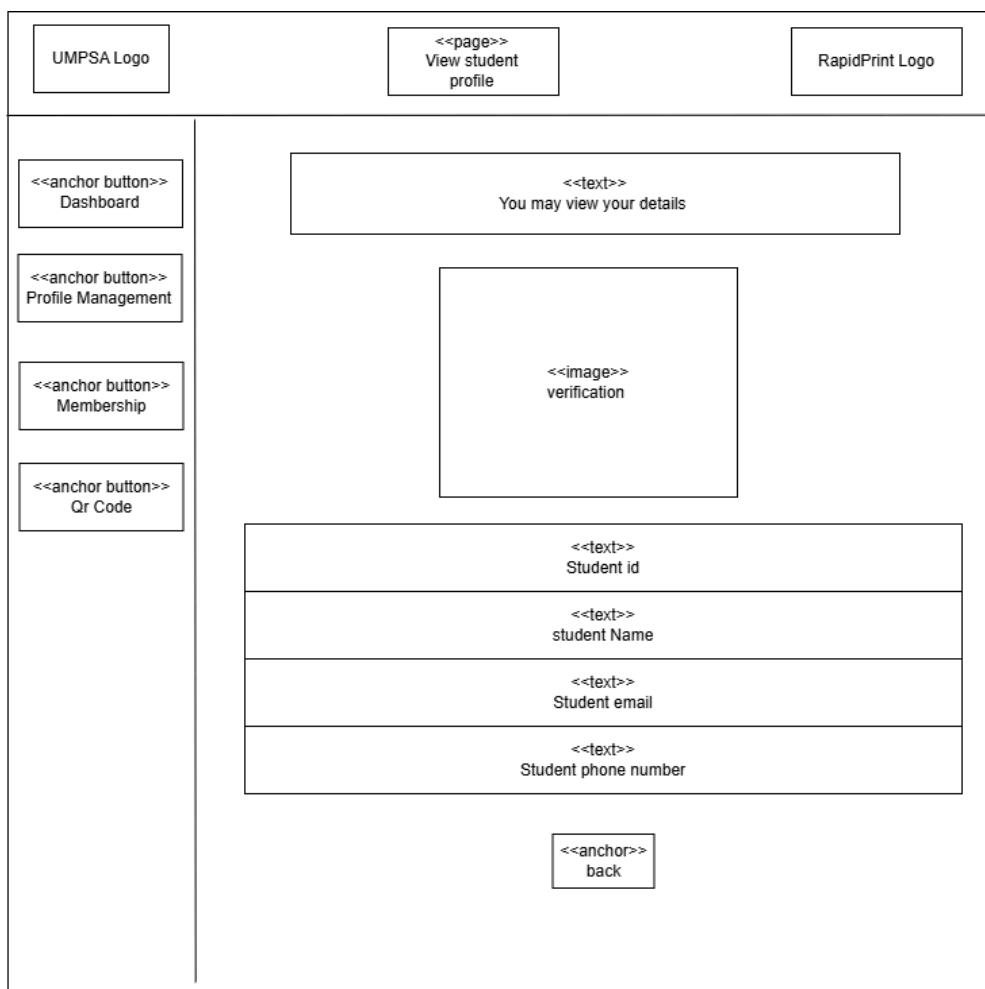
1.1 Delete Student Profile



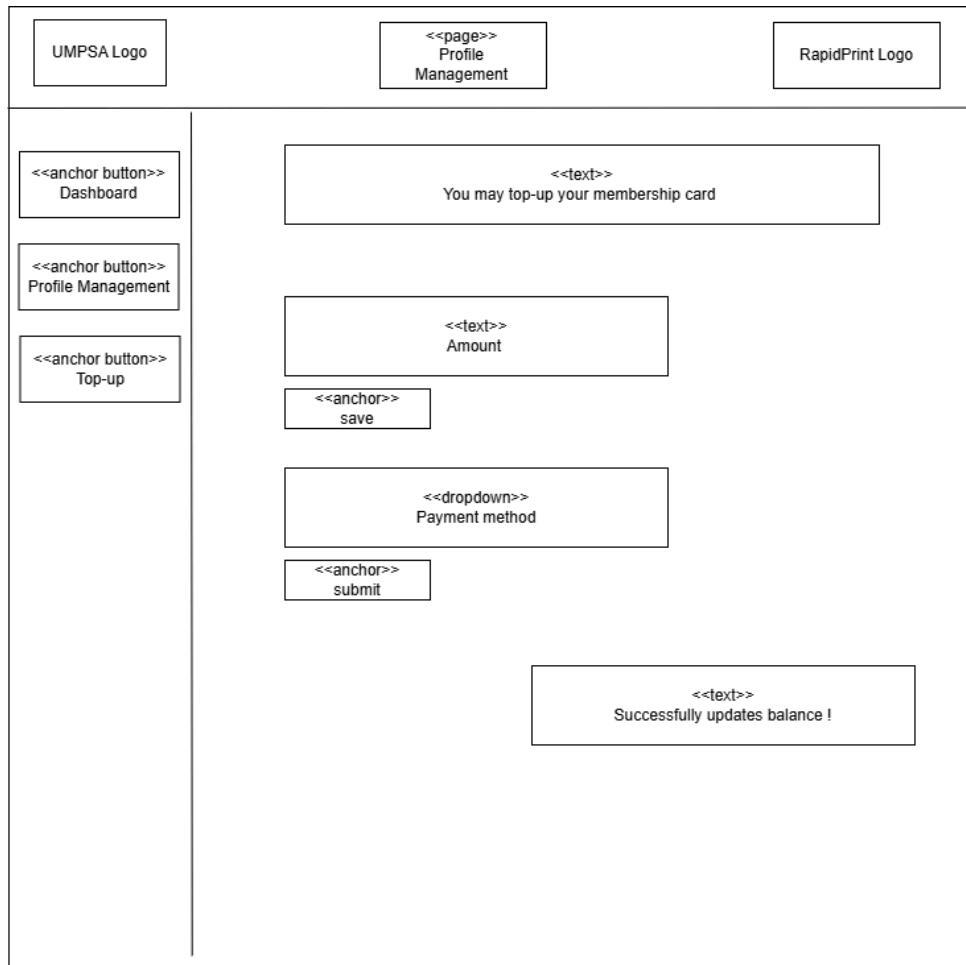
1.2 Edit student profile



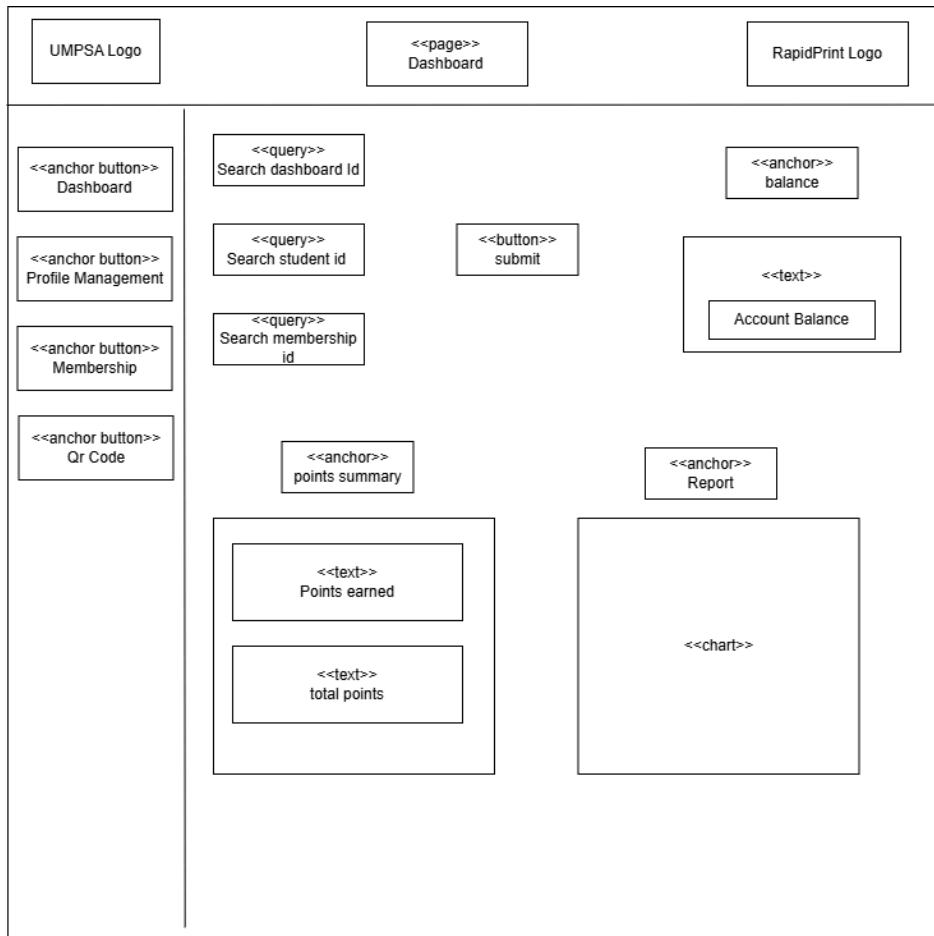
1.3 View student profile



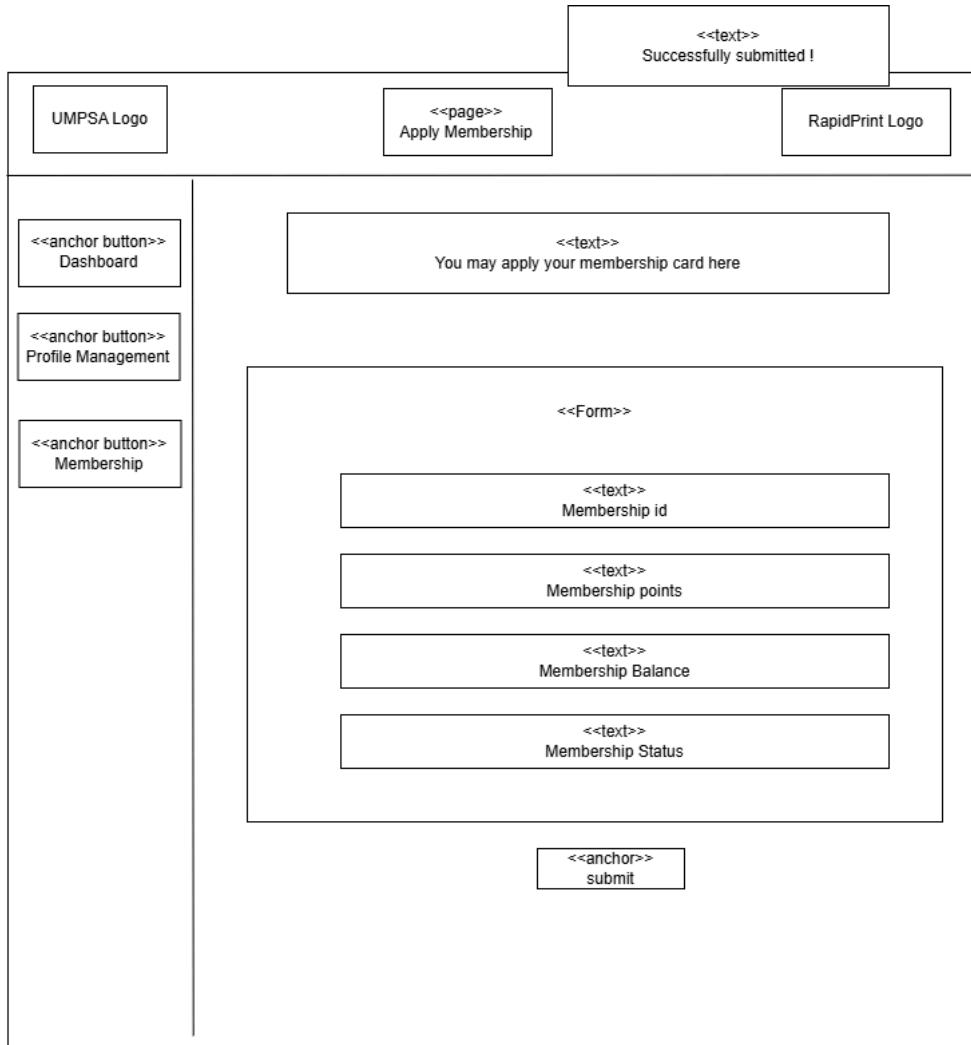
1.4 Top-up Membership



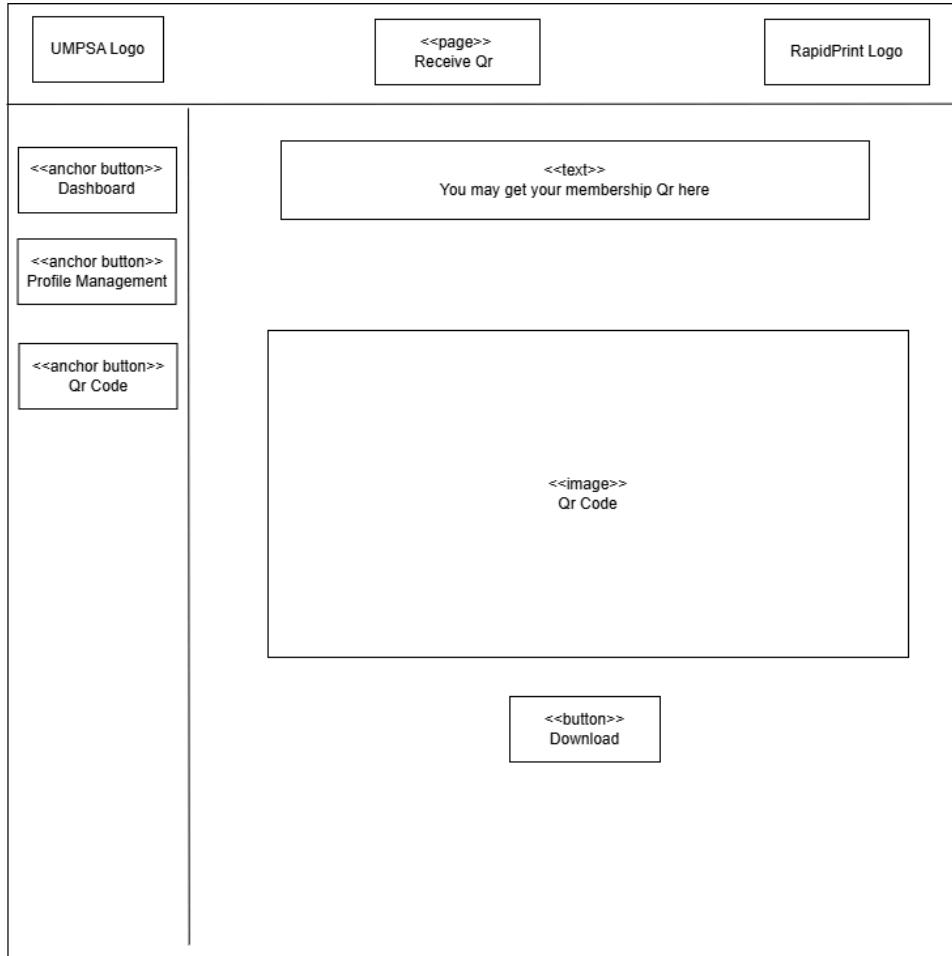
2.0 DASHBOARD



3.0 MEMBERSHIP

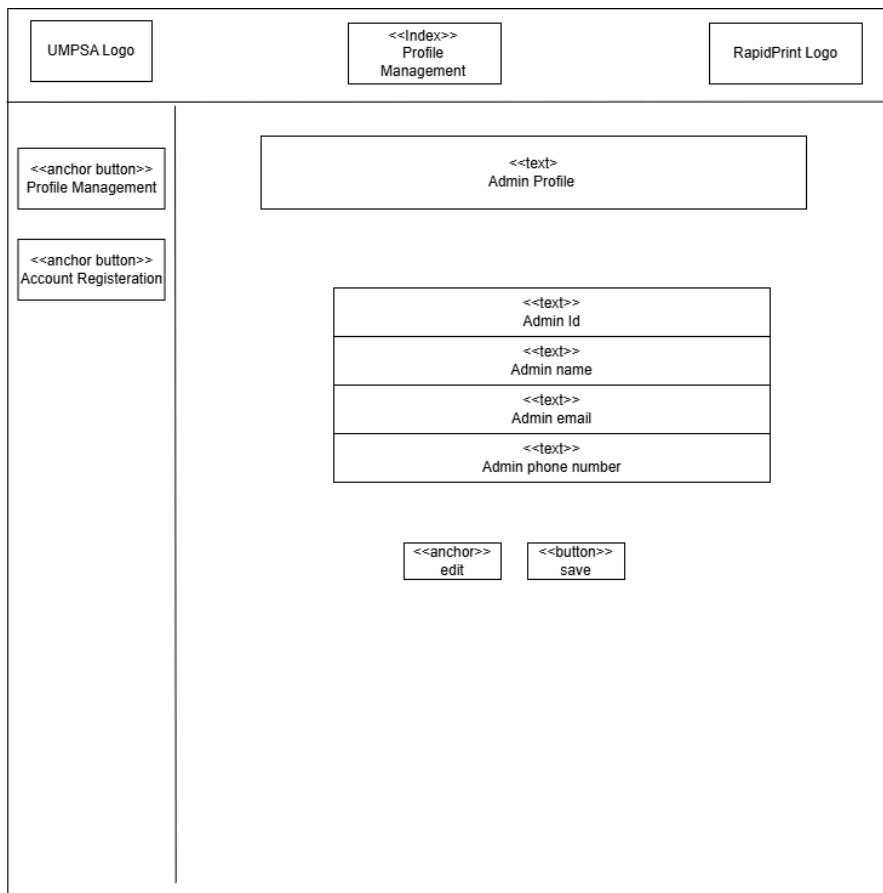


4.0 QR CODE

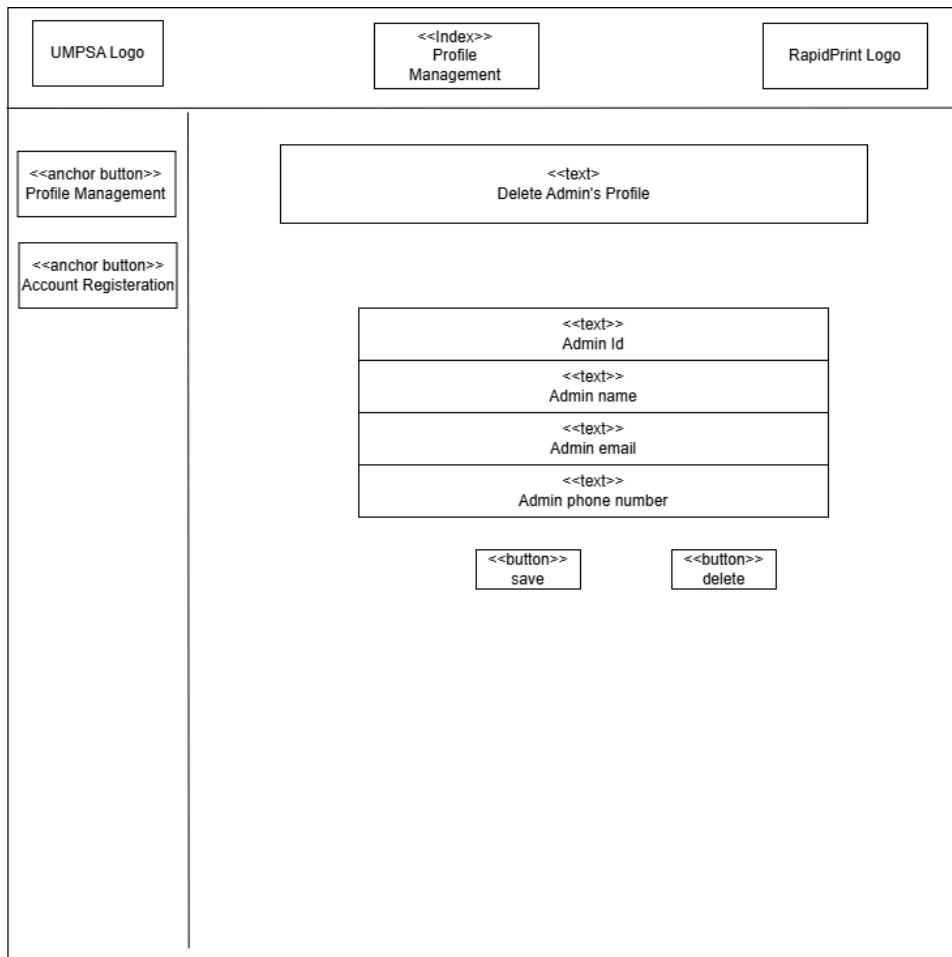


ADMINISTRATOR

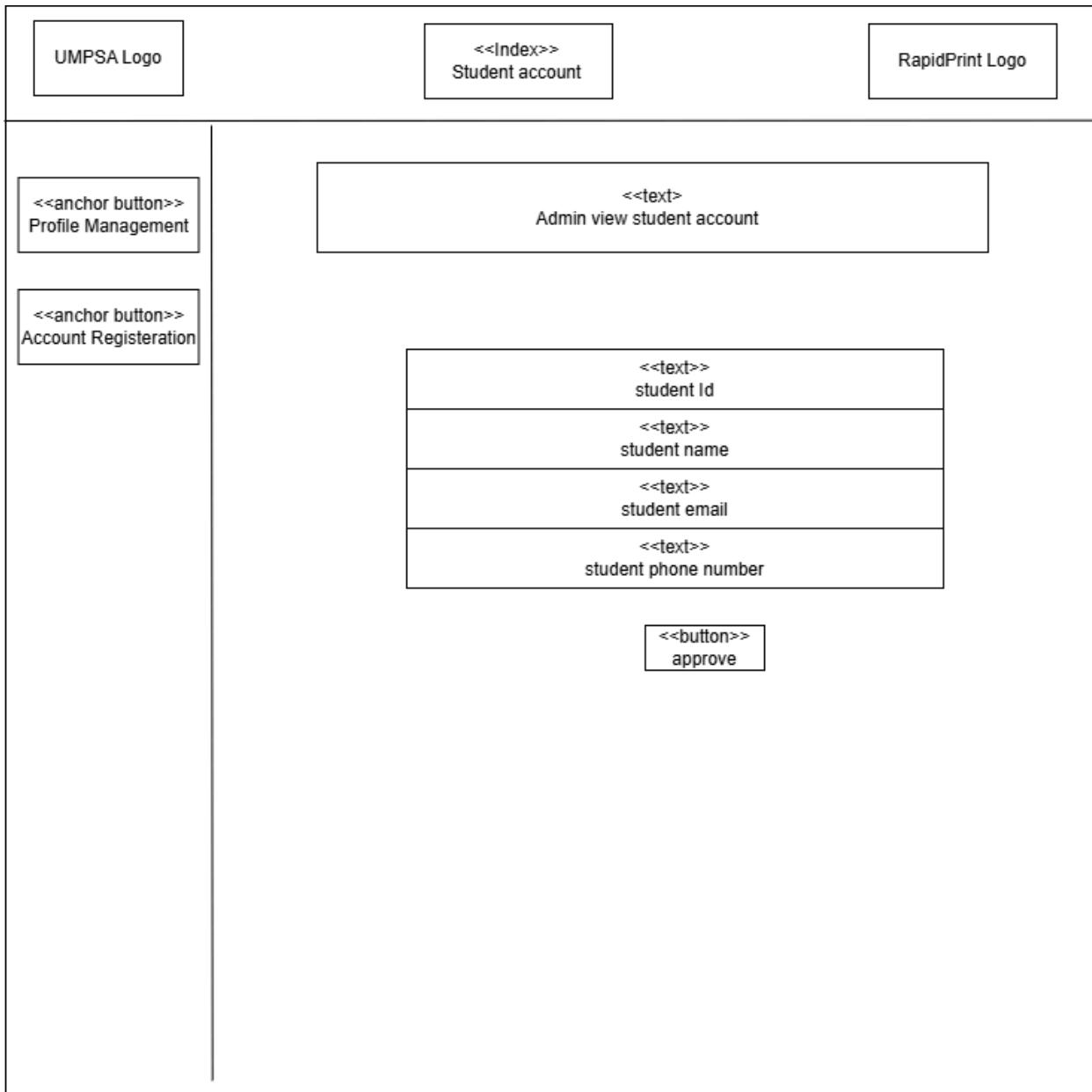
1. Edit Admin's profile



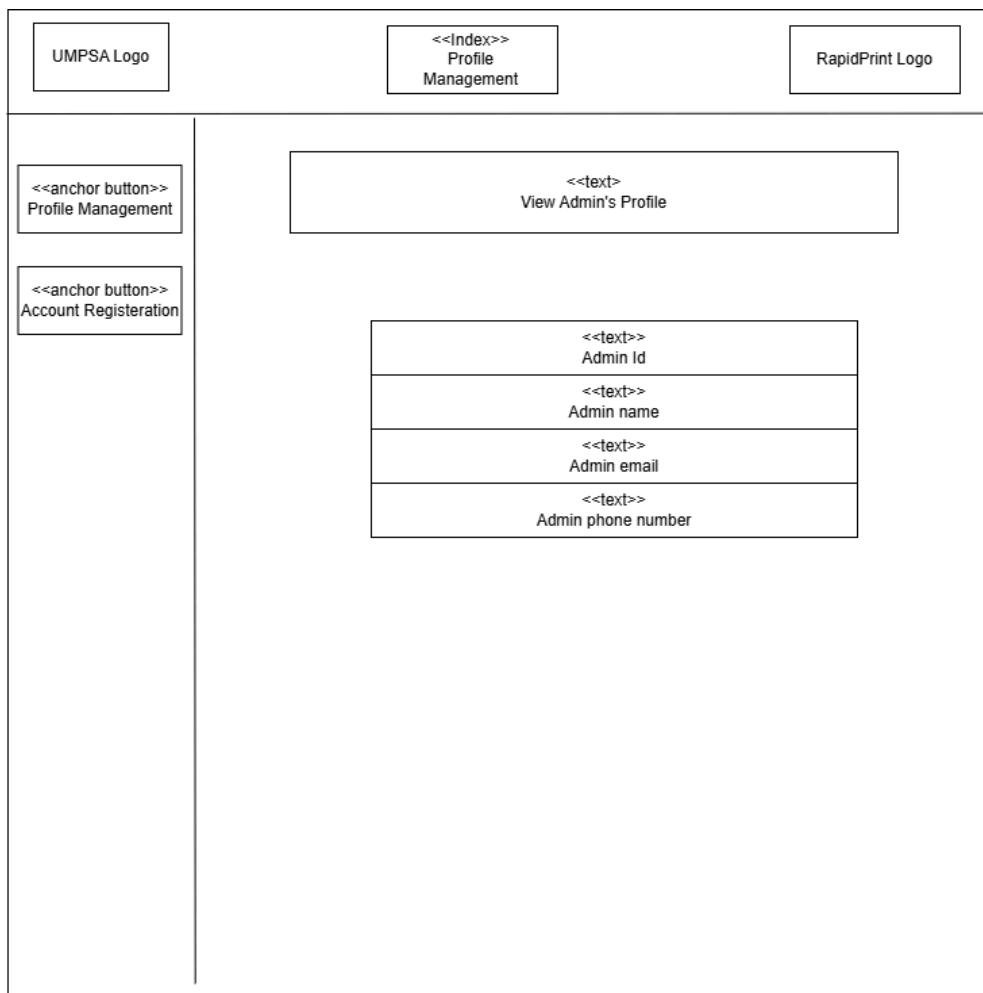
2. Delete admin's profile



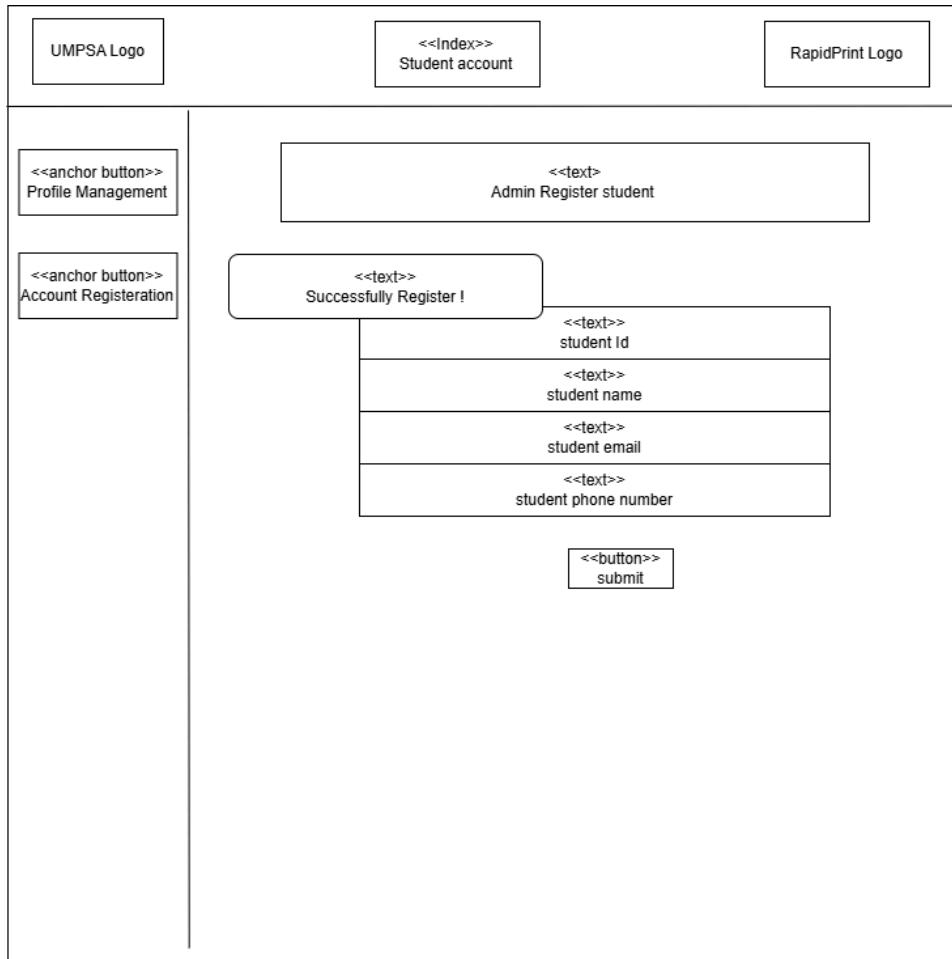
3. Admin view student account



VIEW ADMIN'S PROFILE

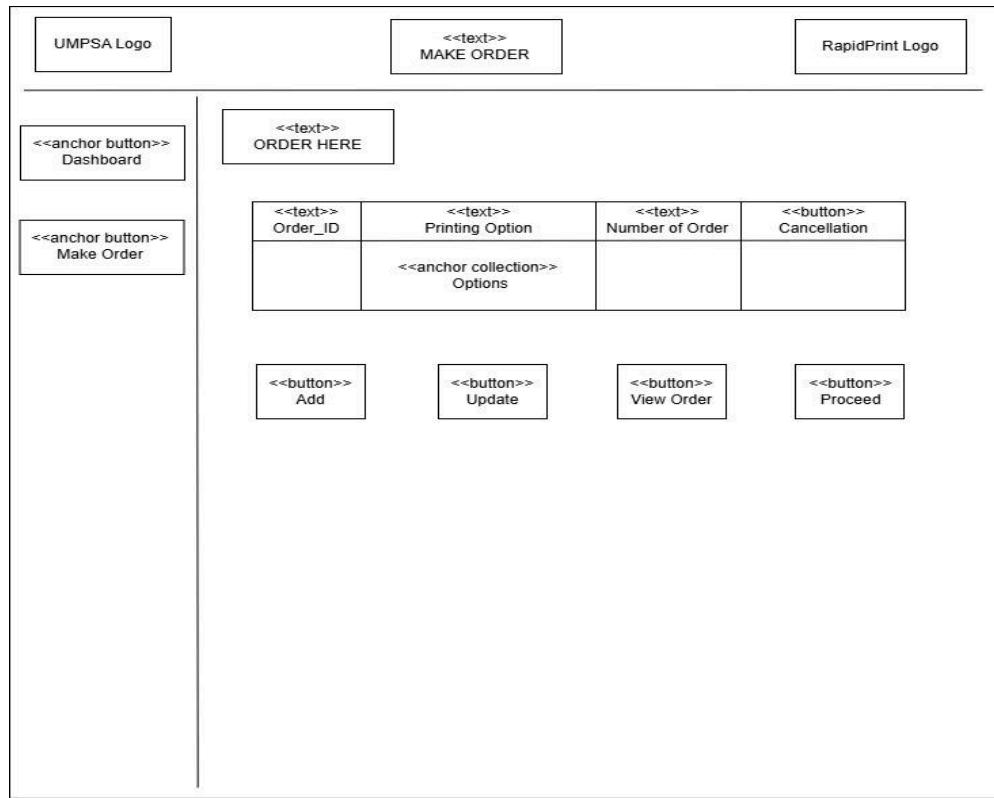


STUDENT ACCOUNT

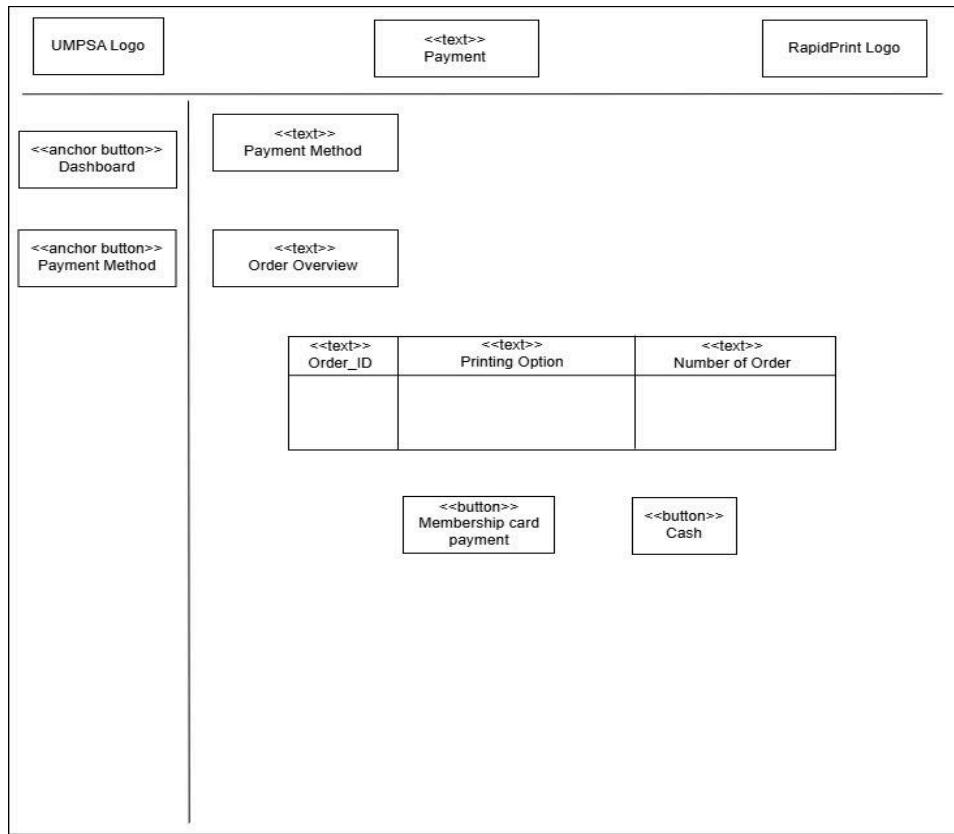


Module 3: Manage printing order and payment
(NUR AININA SYAMIMI BINTI MOHAMMAD WALA'ASIRI, CA22082)

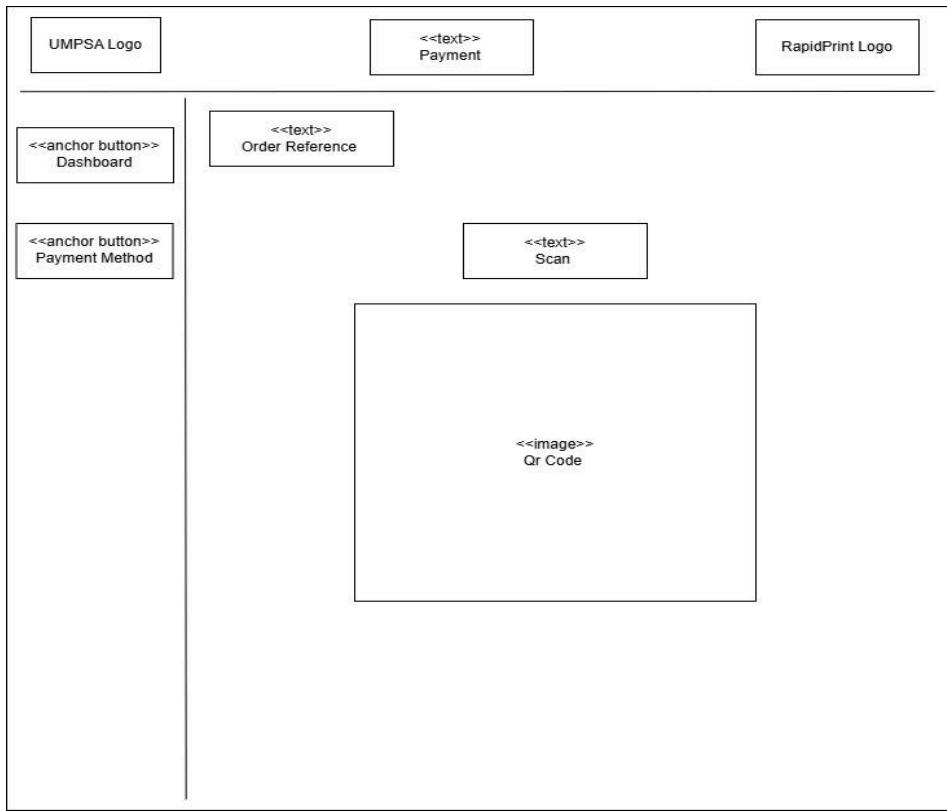
1. Creating order



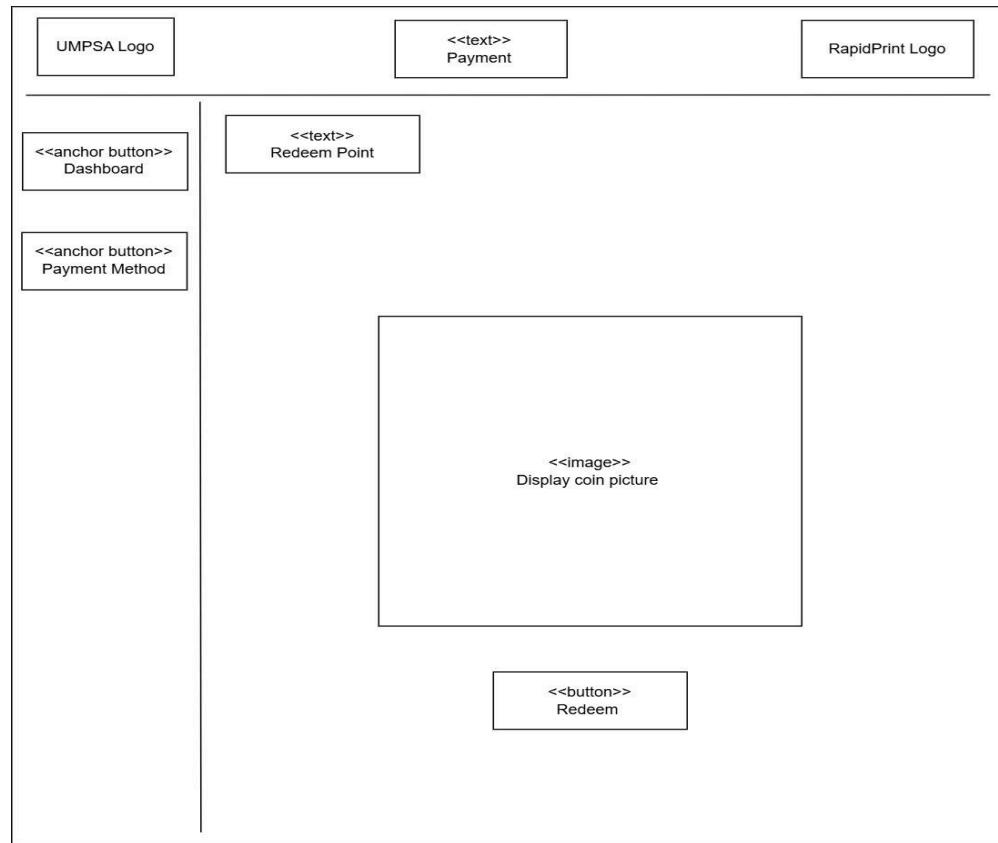
2. Choosing payment method



3. Scanning Qr code to get order reference

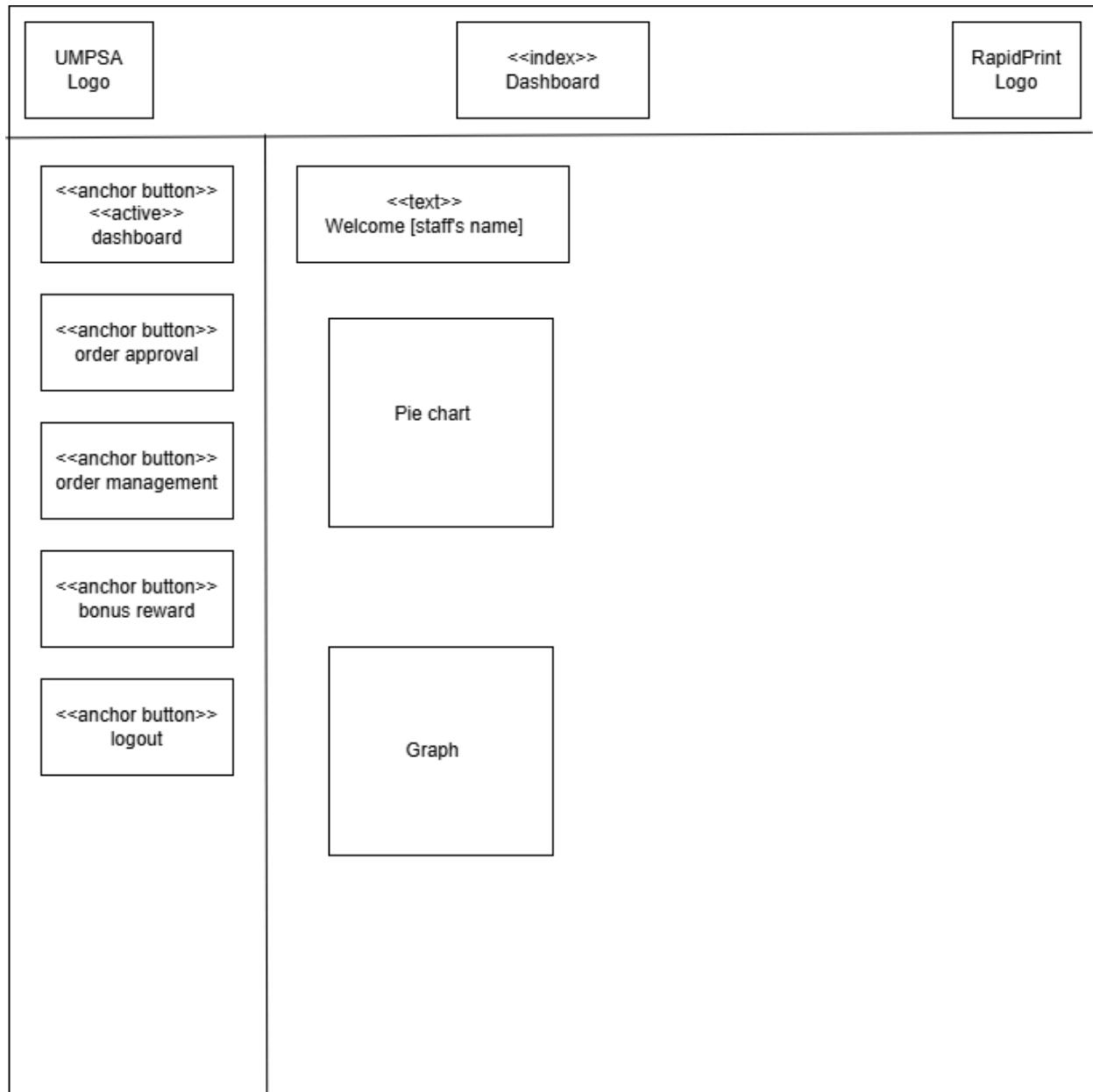


4. Redeeming point (only for registered user)

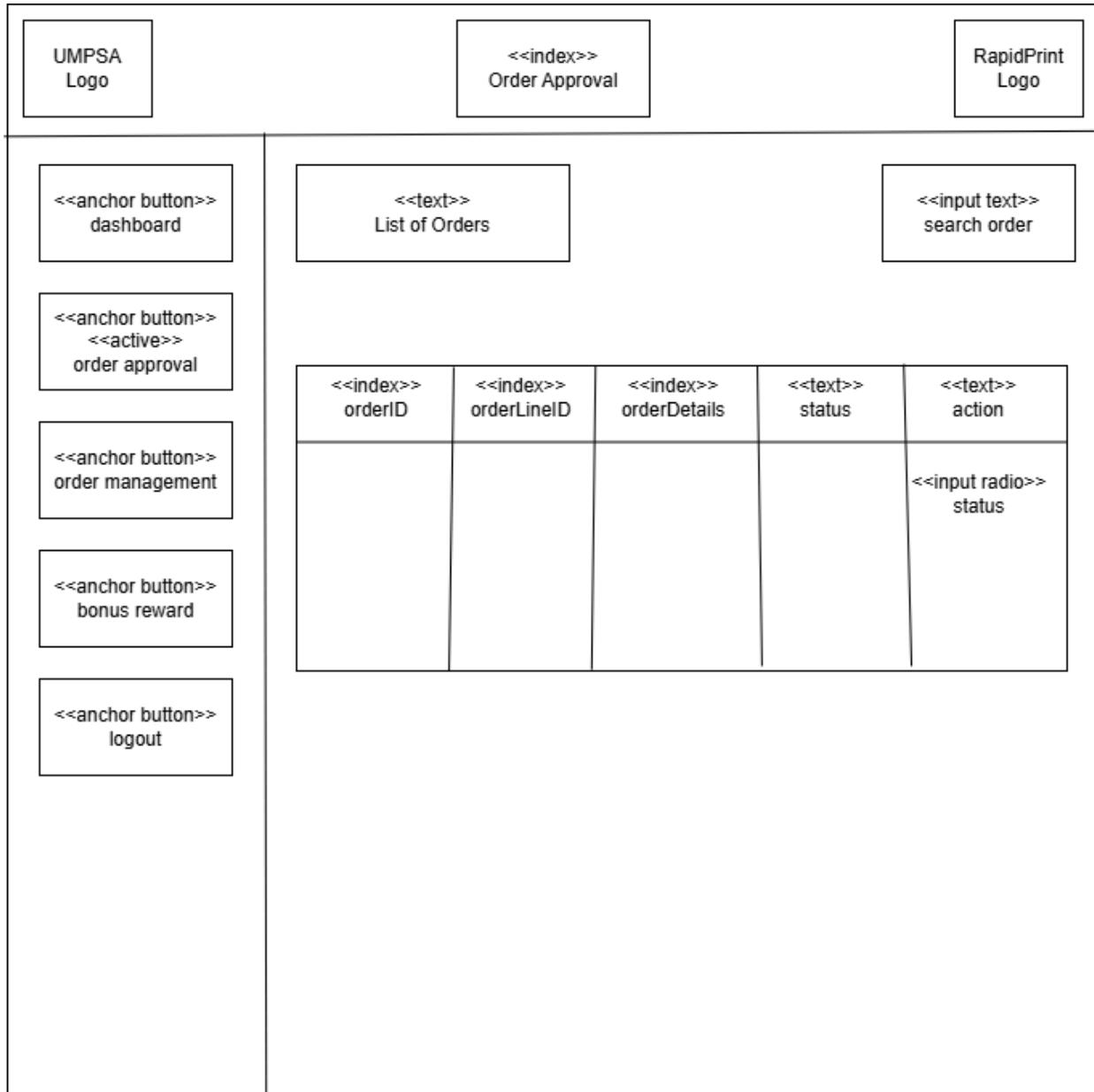


Module 4 : Manage printing
(SITI NURDINA BINTI ZAINUDDIN @ ZENAH CA22040)

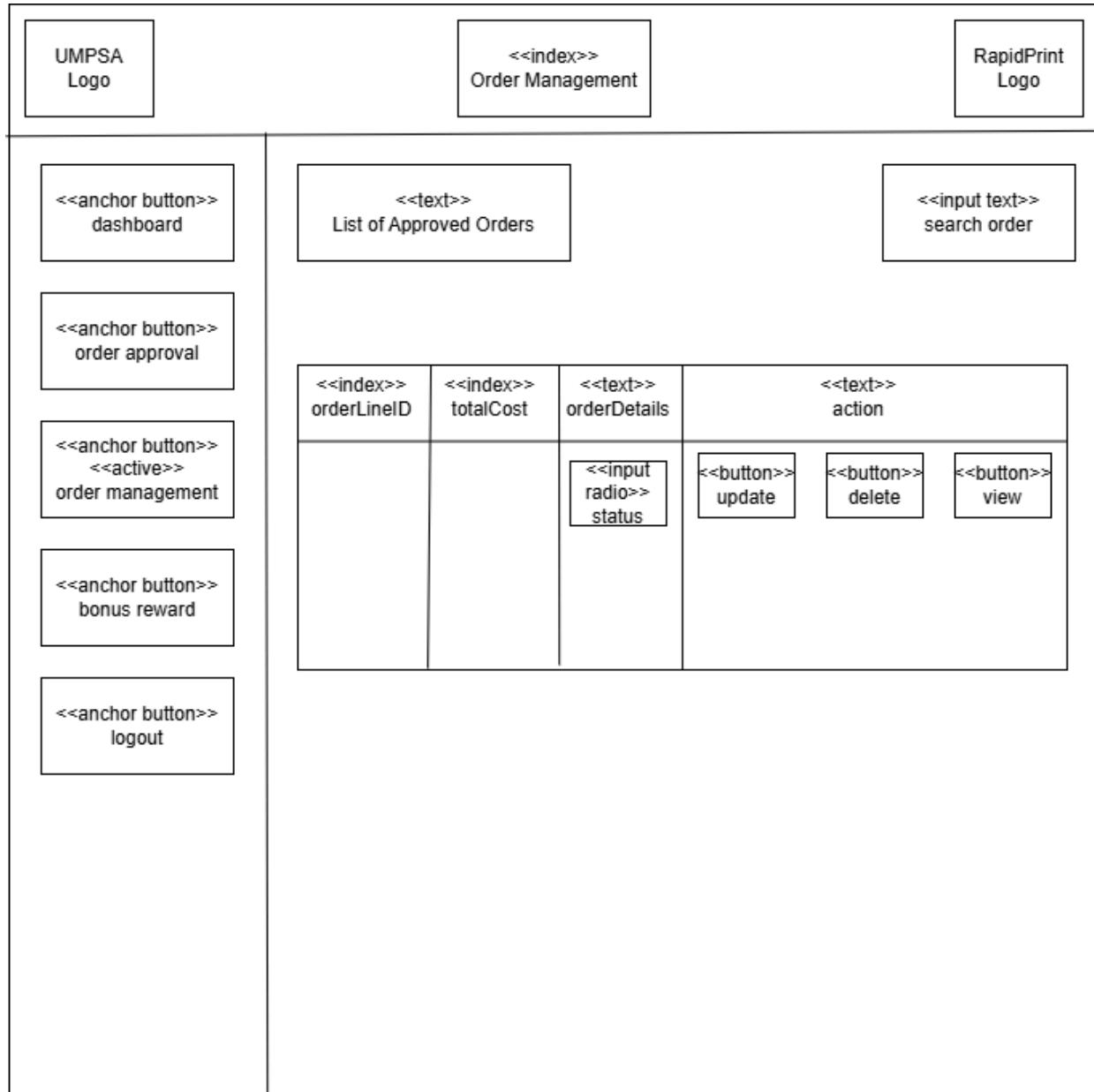
4.1 Staff Dashboard



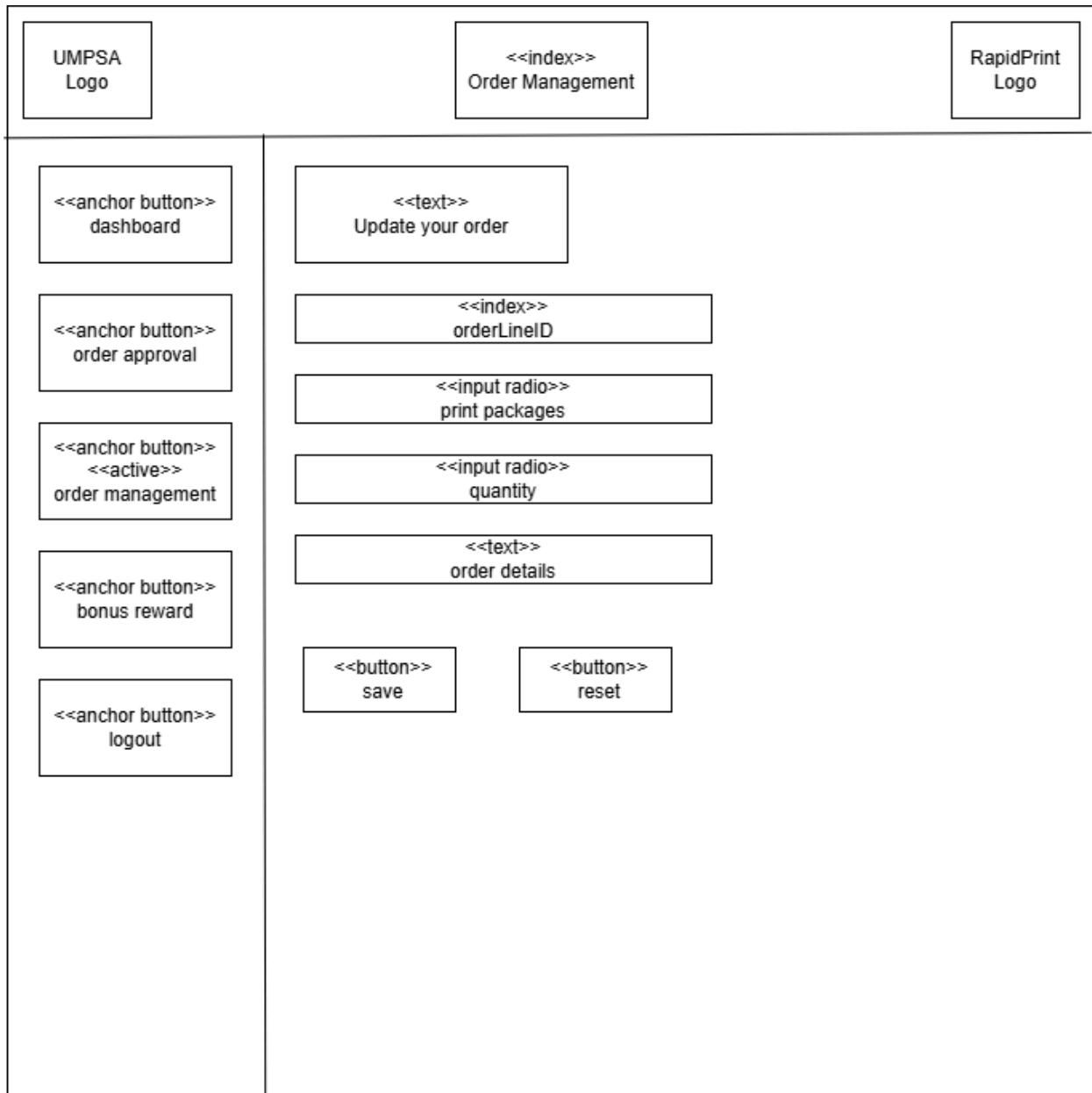
4.2 Order Approval



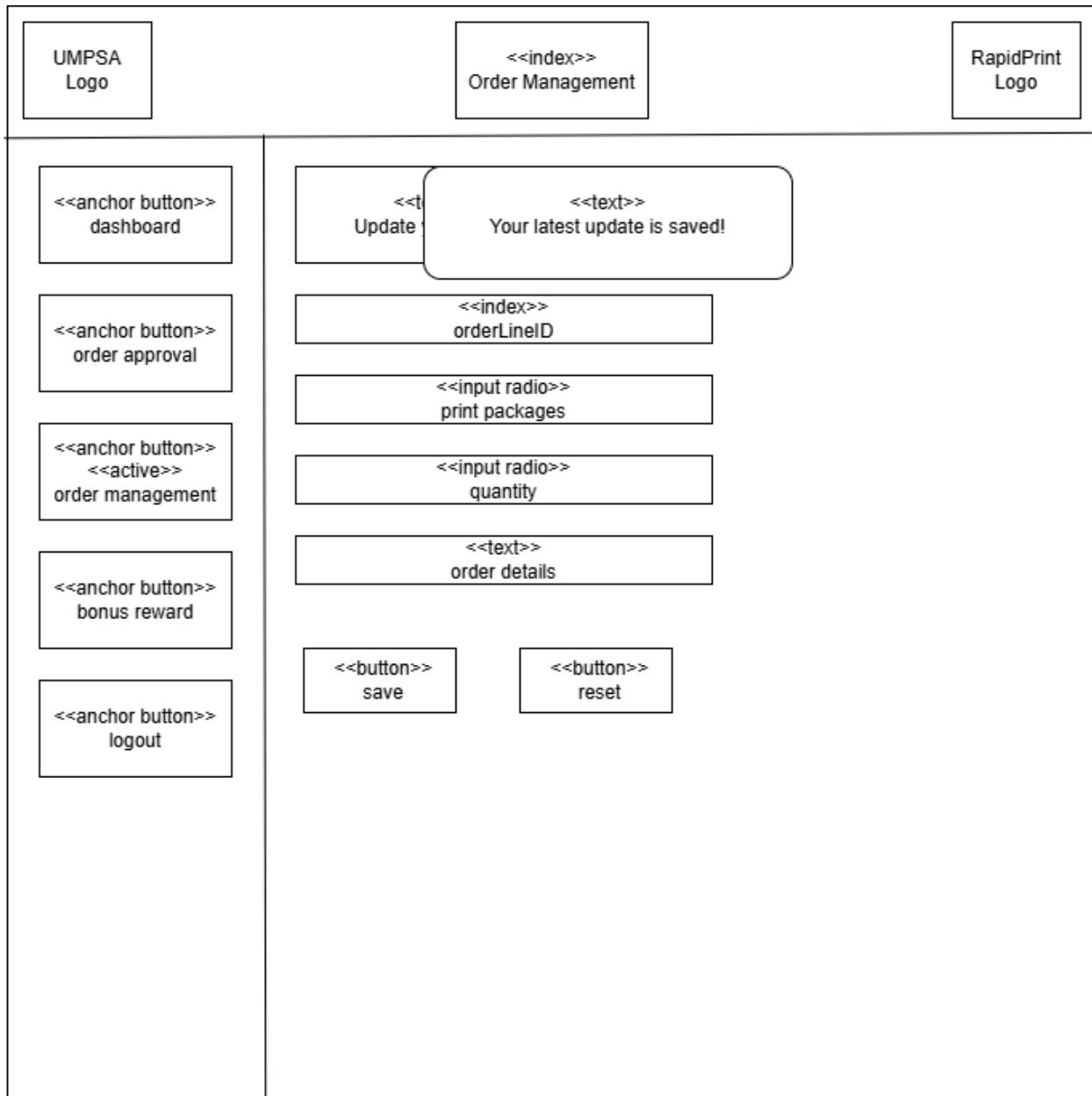
4.3 Order Management



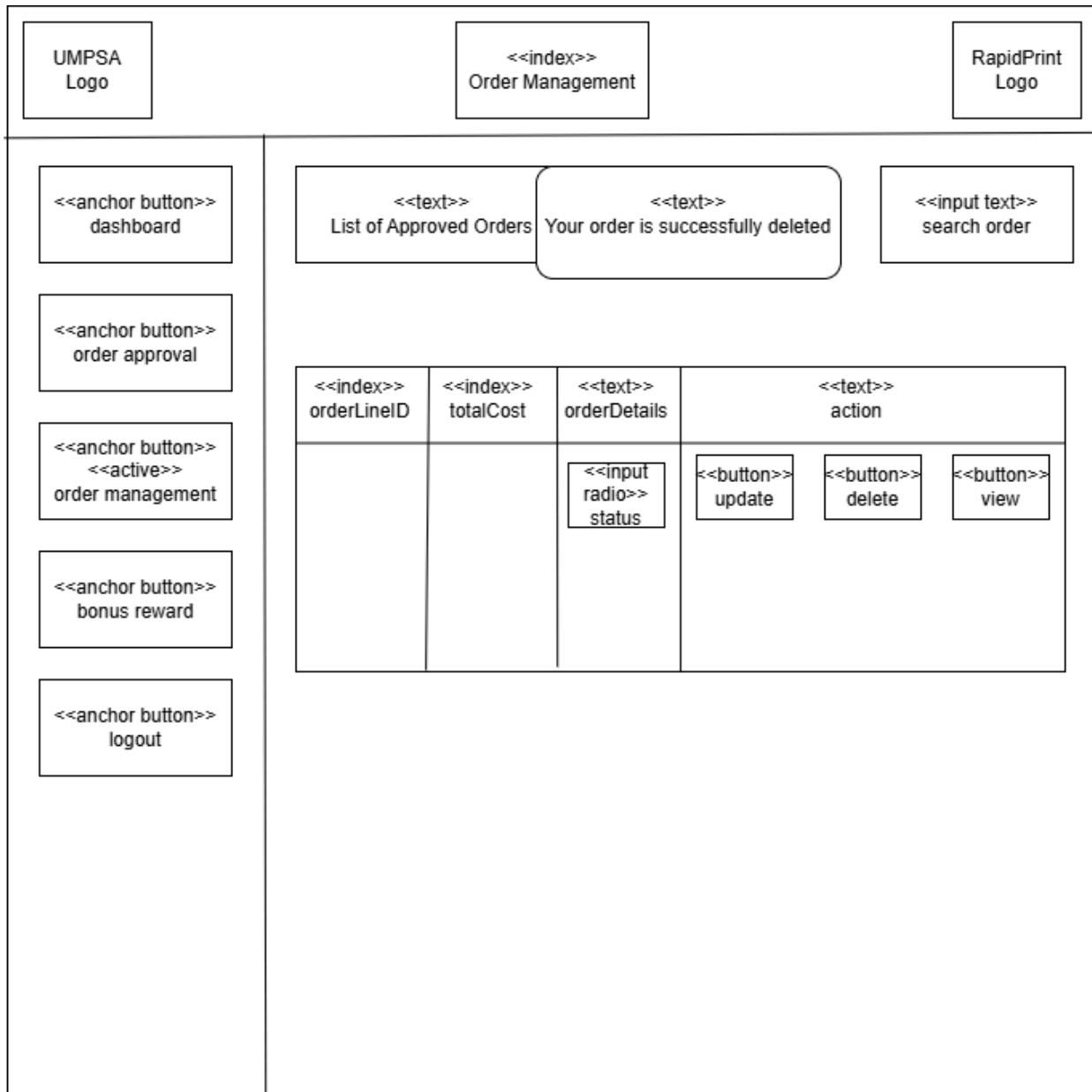
4.3.1 Order Management (Update)



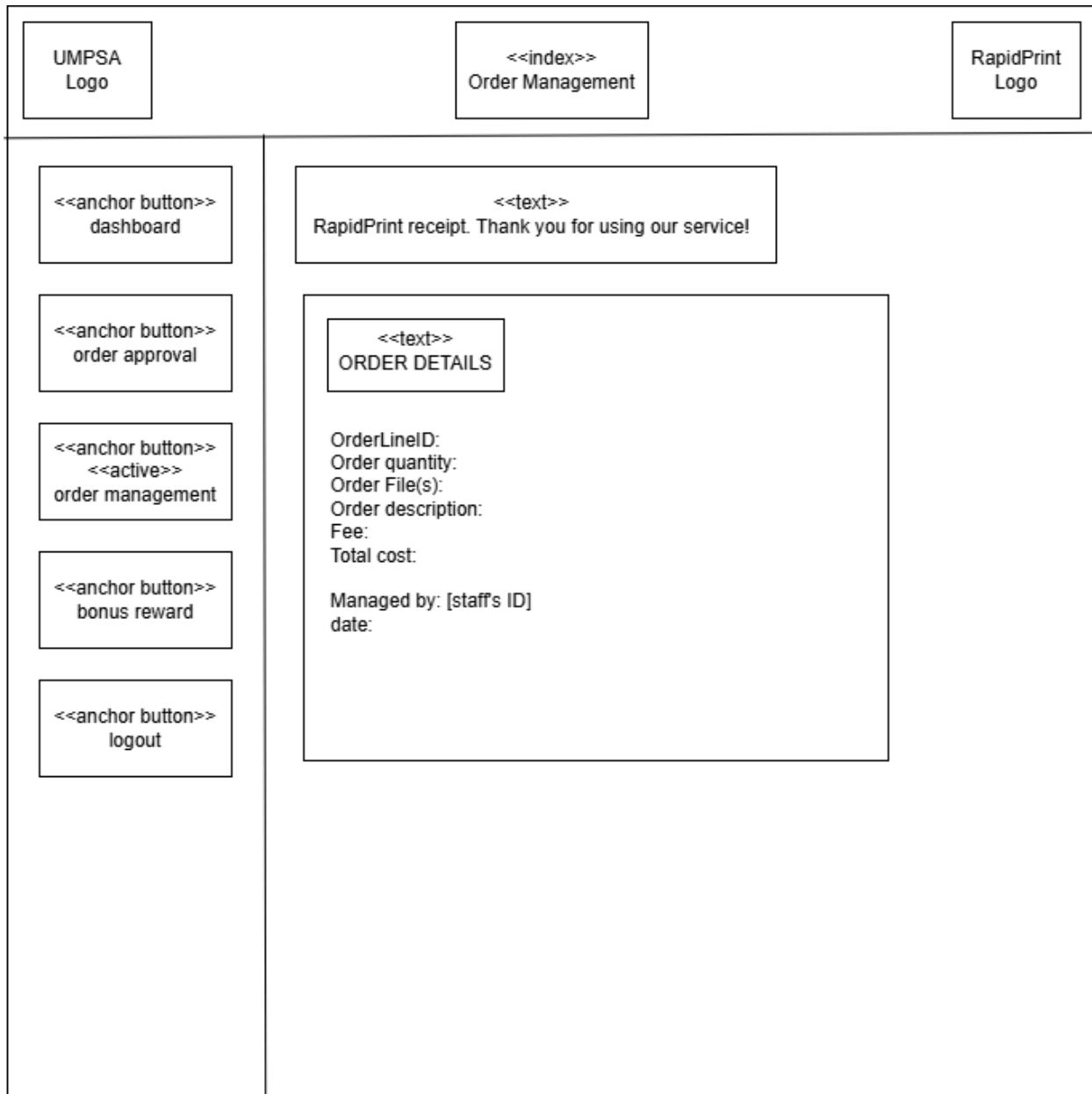
4.3.2 Order Management (Update Saved)



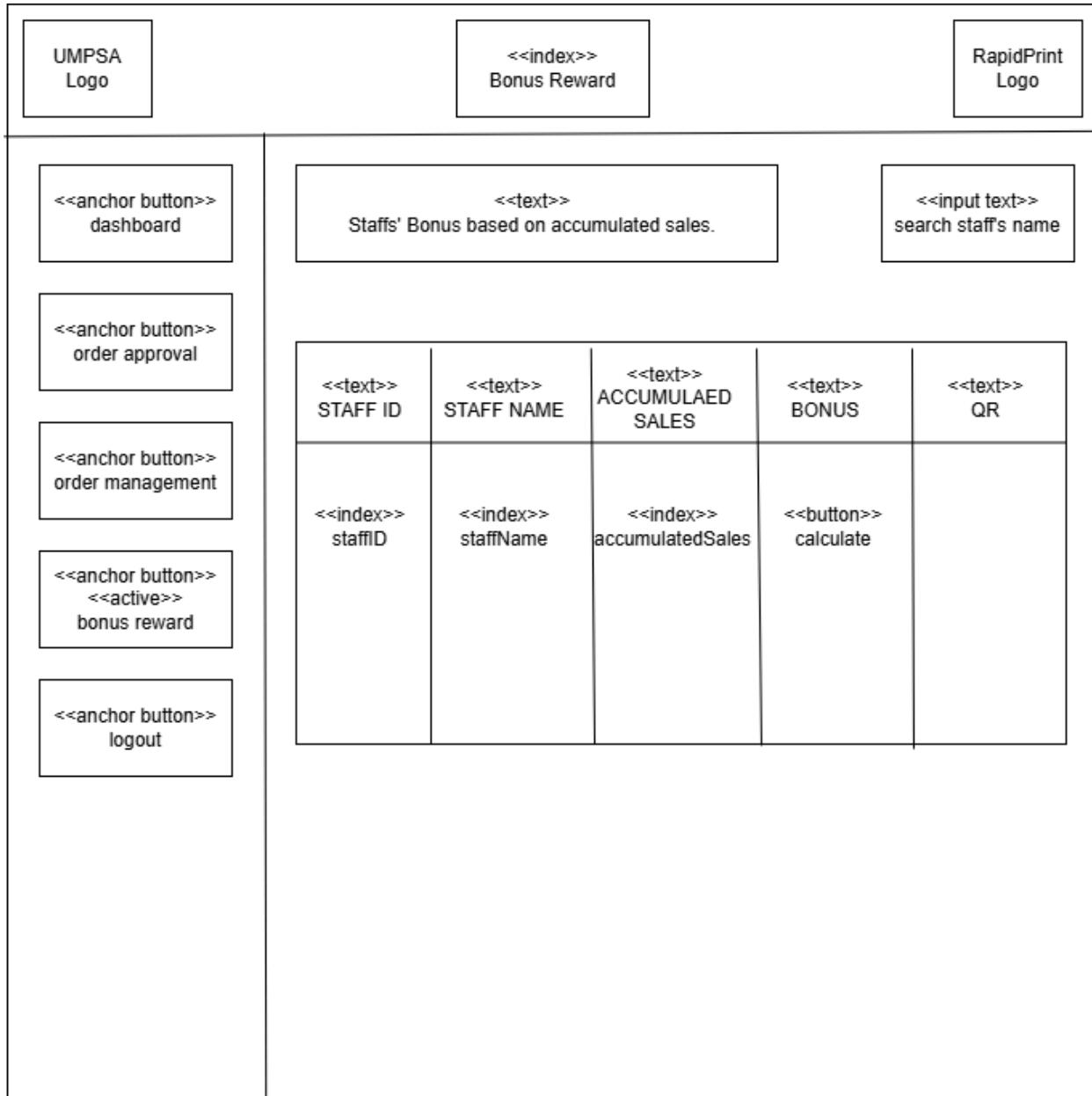
4.3.3 Order Management (Delete)



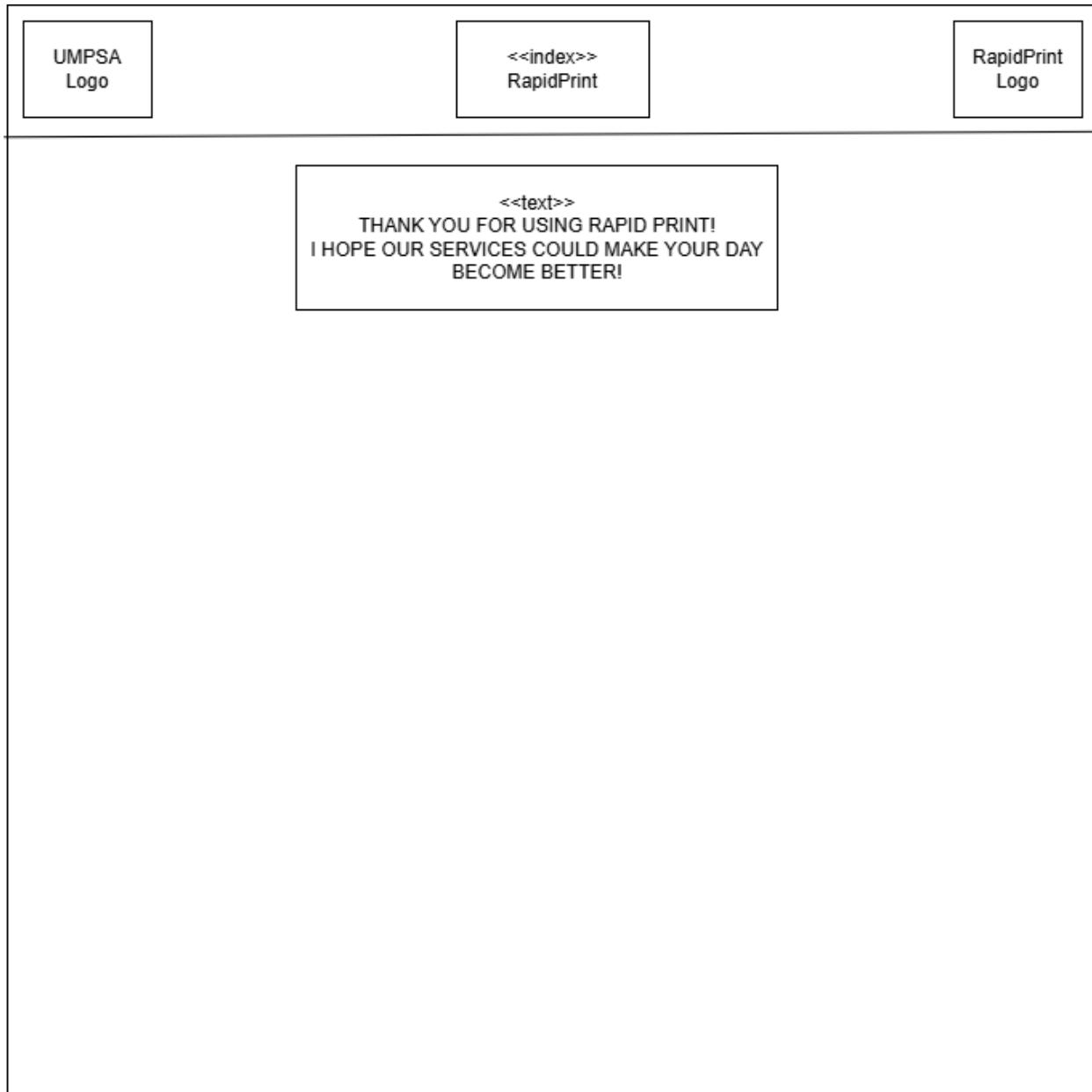
4.3.4 Order Management (View)



4.4 Bonus Reward (accessible for Staff Manager)



4.5 Logout



12.0 TESTING PLAN

The team can provide a user acceptance test to get the user feedback on the website trial. We will conduct a User Acceptance Testing (UAT) phase before public deployment to ensure a UMPSA focused user launch. An important part of the process is finding a representative sample of UMPSAKoop Staff to test the website and provide useful input. They will score the primary features, information clarity and overall usability. Their observations will point out any usability issues or areas that require work prior to the official launch. By proactively adopting this user feedback, we can immediately enhance the website and ensure that it satisfies the needs and expectations of our target audience.

Before the formal launch, their observations will highlight any usability problems or areas that need improvement. We can improve the website right away and make sure that it meets the requirements and expectations of our target audience by proactively implementing this user feedback. We will be examining how easy it is to use previews and confirmation notifications before storing changes. The creation of new user accounts, QR codes, data validation and error handling (such as duplicate entries) will also be tested. Finally, a comprehensive examination of the deletion capabilities will be carried out, guaranteeing that successful deletions are confirmed by confirmation prompts following the deletion of the summon entry by UMPSAKoop staff that deletions may be undone if needed and that access is prohibited for unauthorized users. A thorough testing procedure ensures that any potential issues are identified before the website is prepared for deployment, guaranteeing that it functions properly and meets user expectations.

13.0 DEPLOYMENT PLAN

The agile methodology is the basis of the website deployment plan's staged approach. Our website deployment process follows the principles of agile development and employs a phased approach. It also indicates that the deployment process will be broken down into smaller and manageable cycles. The main goal of each cycle will be to deliver a specific set of features and capabilities for the website. After every stage, we will gather user feedback and conduct extensive testing. Our iterative methodology allows us to continuously improve the website during the development process and ensure that it satisfies user needs. By the time we reach the final deployment stage, we will have a user-validated and fully functional UMPSA Koop printing website ready for launch. The use of agile methodology lowers the possibility of incorrect deployments and allows for real-time input revisions and ultimately leading to a more seamless and successful website launch.

Our project will use the Indah server provided by the faculty to implement the database. We should export the database from local XAMPP to the device prior to system migration. After logging in, we can import the old database into a new folder and use github to connect the database.

14.0 REPORT DISCUSSION

Meeting No	1
Meeting Title	Distribute project requirements
Date/Time	16/11/2024 11a.m
Platform	whatsaap
Attendees	<ul style="list-style-type: none"> 1. WAN NURUL BALQISH BINTI WAN MOHD GHAZALI 2. SITI NURDINA BINTI ZAINUDDIN @ ZENAH 3. NUR AININA SYAMIMI BINTI MOHAMMAD WALA'ASIRI 4. WARDATUL JANNAH BINTI MOHD NAZIR
Agenda	<ul style="list-style-type: none"> 1. Understanding each of the requirements needed of the proposal 2. Distribute the task needed in the proposal
Group photo	<p>Students are required to prepare a proposal consists of the following items. The detailed evaluation is attached in Appendix 2.</p> <ol style="list-style-type: none"> 1. The idea / principle of the solution 2. Review of TWO EXISTING SYSTEMS that similar to your idea 3. Project Management Framework 4. Project Requirements 5. Proposed Design (diagram required: use case diagram, use case scenarios and access model) 6. Data Design (Entity Relationship Diagram (up to 3NF), data dictionary and sample data) 7. Proposed Design 8. Testing Plan 9. Deployment Plan

Meeting No	2
Meeting Title	Discussing project requirements
Date/Time	26/11/2024 9.00 p.m. - 11.00 p.m.
Platform	Google Meet
Attendees	<p>5. WAN NURUL BALQISH BINTI WAN MOHD GHAZALI 6. SITI NURDINA BINTI ZAINUDDIN @ ZENAH 7. NUR AININA SYAMIMI BINTI MOHAMMAD WALA'ASIRI 8. WARDATUL JANNAH BINTI MOHD NAZIR</p>
Agenda	<p>3. Understanding each of the requirements needed of the proposal 4. Discussing any unclear issues regarding of the requirements</p>
Group photo	

15.0 INTERFACE DESIGN

MODULE 1 : LOGIN, MANAGE KOPERASI BRANCH AND PRINTING PACKAGE (WARDATUL JANNAH BINTI MOHD NAZIR, CA22049)

1. Login

The screenshot shows the 'Rapid Print Login' interface. It features two input fields: 'All' and '.....'. Below these is a radio button group for 'Admin', 'Staff', and 'Student', with 'Admin' selected. At the bottom are 'Login' and 'Reset' buttons.

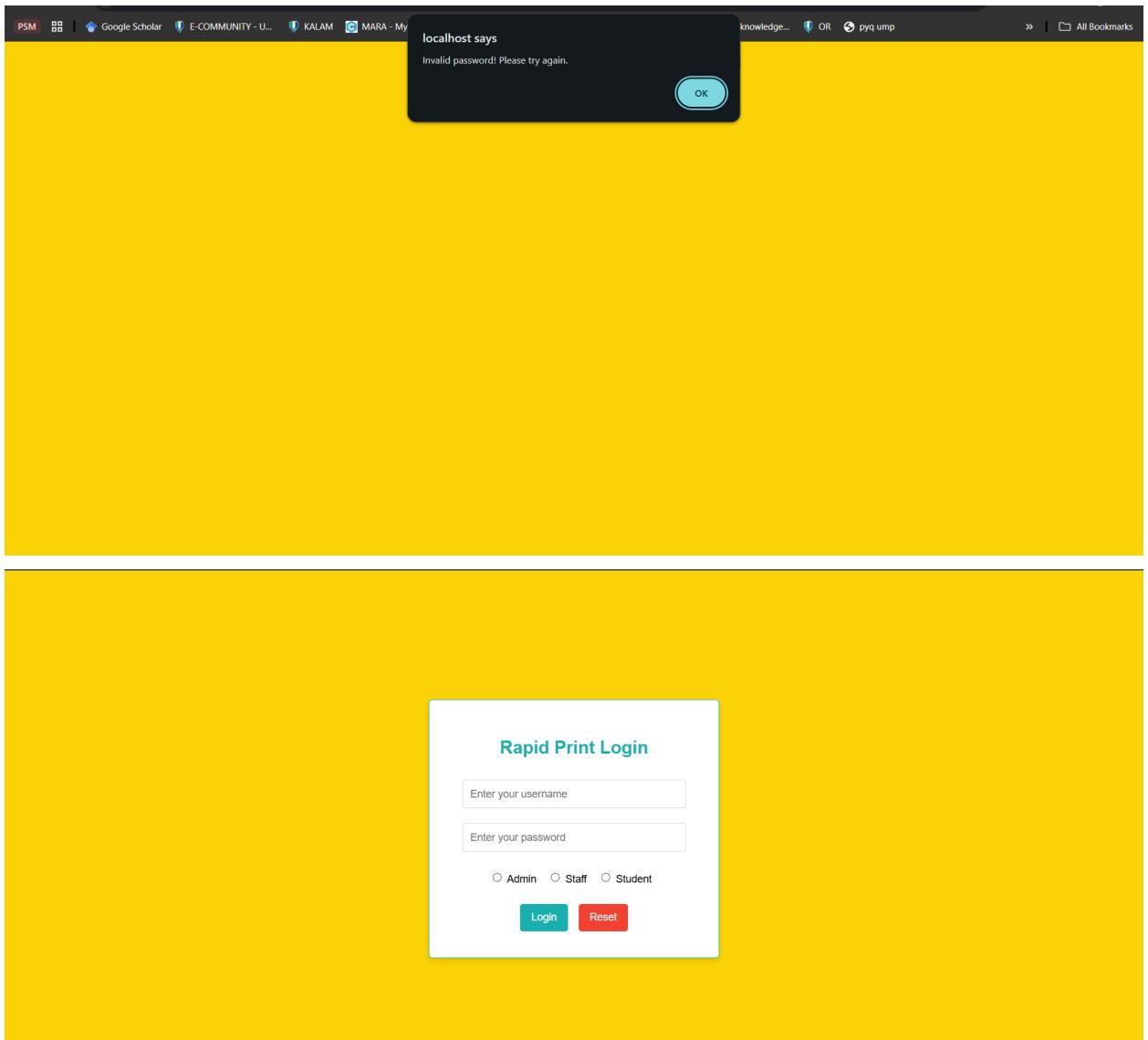
© 2024 Rapid Print Management System. All Rights Reserved.

The screenshot shows the 'Rapid Print Login' interface. The 'All' field is filled with 'Ali'. The 'password' field is empty and highlighted with a red border. A validation message 'Please fill out this field.' with an exclamation mark icon is displayed above the password field. The radio button group for 'Admin', 'Staff', and 'Student' is present, with 'Admin' selected. At the bottom are 'Login' and 'Reset' buttons.

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The warning will appear if one of the field is not filled. Once user filled everything up, user will be redirected to the page of their chosen role.

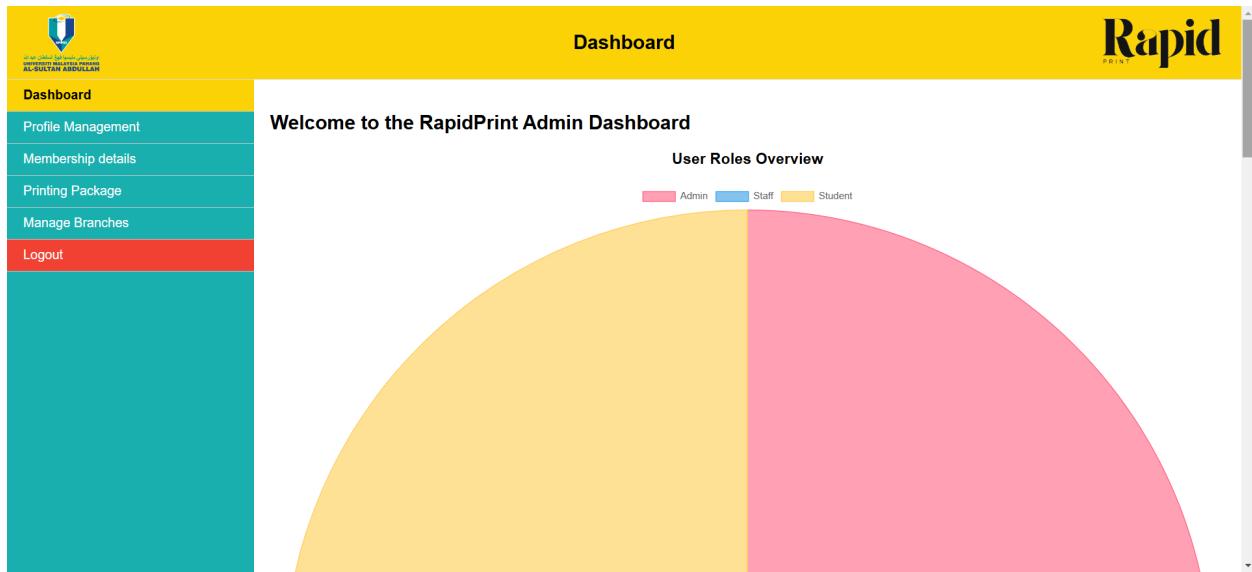
2. Invalid login



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After clicking 'OK' it will bring user to the login page so they can try to login again.

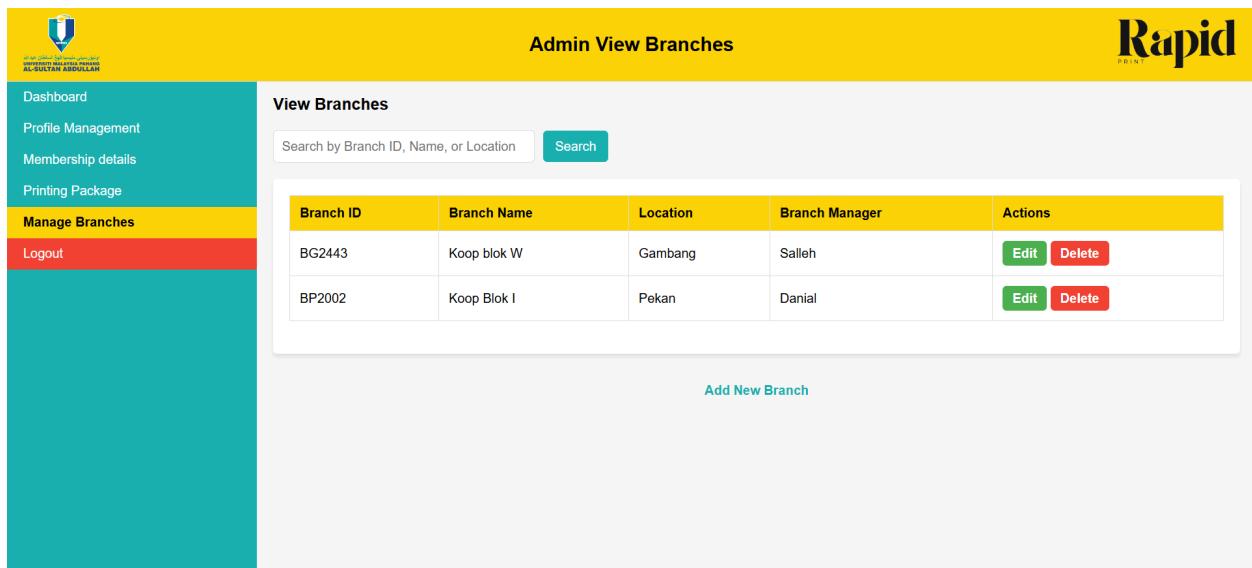
3. Admin dashboard



The admin dashboard will display a few graphs about user role, order, etc.

4. Manage branch

[View branch](#)



The managed branch will display the data in the database for the admin to see and manage. To add a new branch, admin can click on the hyperlink under the table and in the action column for each data, admin can choose to delete the row or to edit the row.

Add new branch

Dashboard

Profile Management

Membership details

Printing Package

Manage Branches

Logout

Add New Branch

Branch ID:

Enter Branch ID

Branch Name:

Enter Branch Name

Location:

Select Location

Branch Manager:

Select Branch Manager

Reset

Submit

Rapid

Dashboard

Profile Management

Membership details

Printing Package

Manage Branches

Logout

Add New Branch

Branch ID:

BP2010

Branch Name:

Koop PETAKOM

Location:

Pekan

Select Location

Pekan

Gambang

Reset

Submit

Rapid

Add New Branch

Branch ID: BP2010

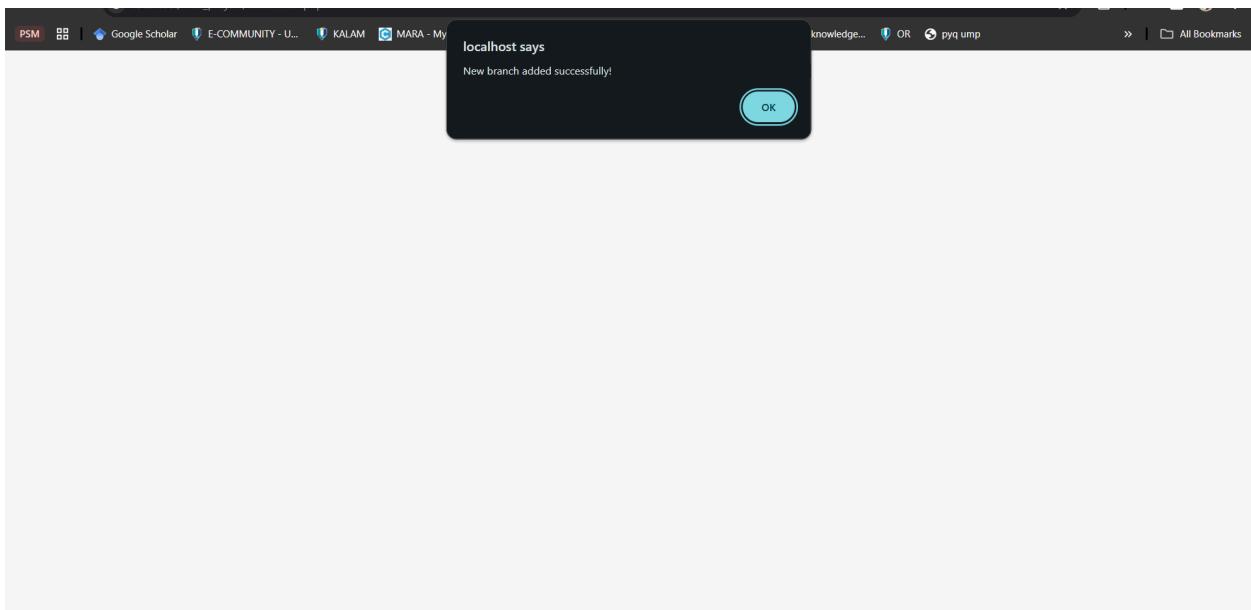
Branch Name: Koop PETAKOM

Location: Pekan

Branch Manager:

- Select Branch Manager
- Danial (S00324)
- Salleh (S00325)
- Fatin (S00326)
- Sofea (S00327)

Users need to fill in the branch ID. BP is for the Pekan branch and BG is for Gambang branch. Based on the pictures above, users can choose between UMPSA two campuses, one is Gambang and the other is Pekan based on where the branch is located. Admin can also choose the branch manager that is displayed and retrieved from the Staff database. Staff's ID that starts with 'S00' act as the branch manager. After submitting the data, it will display a message like below and when clicks 'OK', it will redirect to the viewing page.



Admin View Branches

View Branches

Search by Branch ID, Name, or Location **Search**

Branch ID	Branch Name	Location	Branch Manager	Actions
BG2443	Koop blok W	Gambang	Salleh	Edit Delete
BP2002	Koop Blok I	Pekan	Danial	Edit Delete
BP2010	Koop PETAKOM	Pekan	Fatin	Edit Delete

[Add New Branch](#)

As you can see above, the data has been added to the table.

Edit branch

Edit Branch

Edit Branch

Branch ID **(Read-only)**: BP2010

Branch Name: Koop Fakulti Komputer

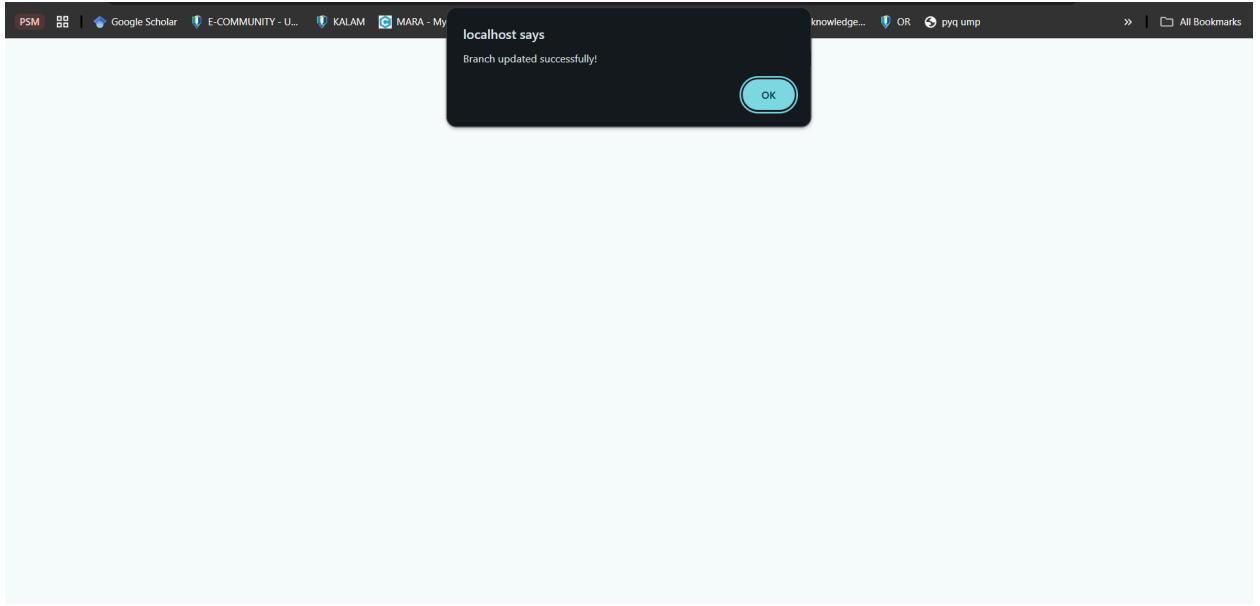
Location: Gambang

Branch Manager **(Read-only)**: Fatin (S00326)

Update Branch [Cancel](#)

[Back to Branch List](#)

Admin can only change the branch location and name because the branch ID and branch manager is displayed as ‘read-only’.

A screenshot of the "Admin View Branches" page. The header features the university logo and the word "Rapid". On the left, a sidebar menu includes Dashboard, Profile Management, Membership Details, Printing Package, Manage Branches (which is highlighted in yellow), and Logout. The main content area is titled "View Branches" and contains a search bar with placeholder text "Search by Branch ID, Name, or Location" and a "Search" button. Below the search bar is a table with the following data:

Branch ID	Branch Name	Location	Branch Manager	Actions
BG2443	Koop blok W	Gambang	Salleh	<button>Edit</button> <button>Delete</button>
BP2002	Koop Blok I	Pekan	Danial	<button>Edit</button> <button>Delete</button>
BP2010	Koop Fakulti Komputer	Gambang	Fatin	<button>Edit</button> <button>Delete</button>

At the bottom of the page, there is a link "Add New Branch".

The location and branch name had been updated according to the new one.

Delete branch

localhost says

Are you sure you want to delete this branch?

OK Cancel

Dashboard

Profile Management

Membership Details

Printing Package

Manage Branches

Logout

Rapid

View Branches

Search by Branch ID, Name, or Location

Search

Branch ID	Branch Name	Location	Branch Manager	Actions
BG2443	Koop blok W	Gambang	Salleh	<button>Edit</button> <button>Delete</button>
BP2002	Koop Blok I	Pekan	Danial	<button>Edit</button> <button>Delete</button>
BP2010	Koop Fakulti Komputer	Gambang	Fatin	<button>Edit</button> <button>Delete</button>

Add New Branch

localhost/web_project/deleteBranch.php?branchID=BP2010

localhost says

Are you sure you want to delete this branch?

OK Cancel

Dashboard

Profile Management

Membership Details

Printing Package

Manage Branches

Logout

Rapid

Admin View Branches

View Branches

Search by Branch ID, Name, or Location

Search

Branch ID	Branch Name	Location	Branch Manager	Actions
BG2443	Koop blok W	Gambang	Salleh	<button>Edit</button> <button>Delete</button>
BP2002	Koop Blok I	Pekan	Danial	<button>Edit</button> <button>Delete</button>

Add New Branch

If use clicks 'OK' the data will be deleted from the table and database.

Search

Searching using branch ID

The screenshot shows the 'Admin View Branches' interface. On the left, a sidebar menu includes 'Dashboard', 'Profile Management', 'Membership Details', 'Printing Package', 'Manage Branches' (which is highlighted in yellow), and 'Logout'. The main area is titled 'View Branches' and contains a search bar with 'BP2002' and a 'Search' button. Below the search bar is a table with columns: Branch ID, Branch Name, Location, Branch Manager, and Actions. A single row is shown for 'BP2002' with values 'Koop Blok I', 'Pekan', 'Danial', and 'Edit' and 'Delete' buttons. At the bottom right of the main area is a link 'Add New Branch'.

Branch ID	Branch Name	Location	Branch Manager	Actions
BP2002	Koop Blok I	Pekan	Danial	<button>Edit</button> <button>Delete</button>

Searching using branch name

The screenshot shows the 'Admin View Branches' interface. The sidebar menu is identical to the previous screenshot. The main area is titled 'View Branches' and contains a search bar with 'Koop blok W' and a 'Search' button. Below the search bar is a table with columns: Branch ID, Branch Name, Location, Branch Manager, and Actions. A single row is shown for 'BG2443' with values 'Koop blok W', 'Gambang', 'Salleh', and 'Edit' and 'Delete' buttons. At the bottom right of the main area is a link 'Add New Branch'.

Branch ID	Branch Name	Location	Branch Manager	Actions
BG2443	Koop blok W	Gambang	Salleh	<button>Edit</button> <button>Delete</button>

Searching using the branch location

The screenshot shows a web-based administrative interface for managing branches. The top navigation bar is yellow, featuring the logo of AL-SULTAN ABDULLAH on the left, the title "Admin View Branches" in the center, and the "Rapid PRINT" logo on the right.

The left sidebar has a teal background and contains the following menu items:

- Dashboard
- Profile Management
- Membership Details
- Printing Package
- Manage Branches** (highlighted in yellow)
- Logout

The main content area has a white background and is titled "View Branches". It includes a search bar with the input "Pekan" and a "Search" button. Below the search bar is a table with the following columns: Branch ID, Branch Name, Location, Branch Manager, and Actions.

Branch ID	Branch Name	Location	Branch Manager	Actions
BP2002	Koop Blok I	Pekan	Danial	Edit Delete

At the bottom of the content area, there is a link labeled "Add New Branch".

5. Manage package print

View package prints

The screenshot shows a web application interface titled "View Printing Packages". On the left is a sidebar with a logo and links: Dashboard, Profile Management, Membership Details, **Printing Package**, Manage Branches, and Logout. The main area has a yellow header "View Printing Packages" and a search bar. Below is a table with the following data:

Package ID	Package Name	Price	Description	Status	Actions
PK1002	Banner (S)	50.00	small banner	Active	<button>Edit</button> <button>Delete</button>
PK1004	Colours	0.50	Per page	Active	<button>Edit</button> <button>Delete</button>
PK1005	Banner (B)	70.00	Big banner	Active	<button>Edit</button> <button>Delete</button>
PK1006	Poster (Glossy)	40.00	Glossy poster for PSM	Active	<button>Edit</button> <button>Delete</button>
PK1007	Banner (M)	50.00	Medium banner	Active	<button>Edit</button> <button>Delete</button>

[Create New Package](#)

Create new package

The screenshot shows a web application interface titled "Add New Printing Package". On the left is a sidebar with a logo and links: Dashboard, Profile Management, Membership Details, **Printing Package**, Manage Branches, and Logout. The main area has a yellow header "Add New Printing Package" and a "Create New Printing Package" section. The form fields are:

- Package ID:** PK1008
- Package Name:** Enter Package Name
- Price:** Enter Price
- Description:** Enter Package Description

Buttons at the bottom include **Reset** and **Submit**. A **Back** link is also present.

In the picture above it shows that the package ID is auto-generated.

Add New Printing Package

Create New Printing Package

Package ID: PK1008

Package Name: T-shirt

Price: 35.00

Description: Enter Package Description

Please fill out this field.

Reset **Submit**

Back

Add New Printing Package

Create New Printing Package

Package ID: PK1008

Package Name: T-shirt

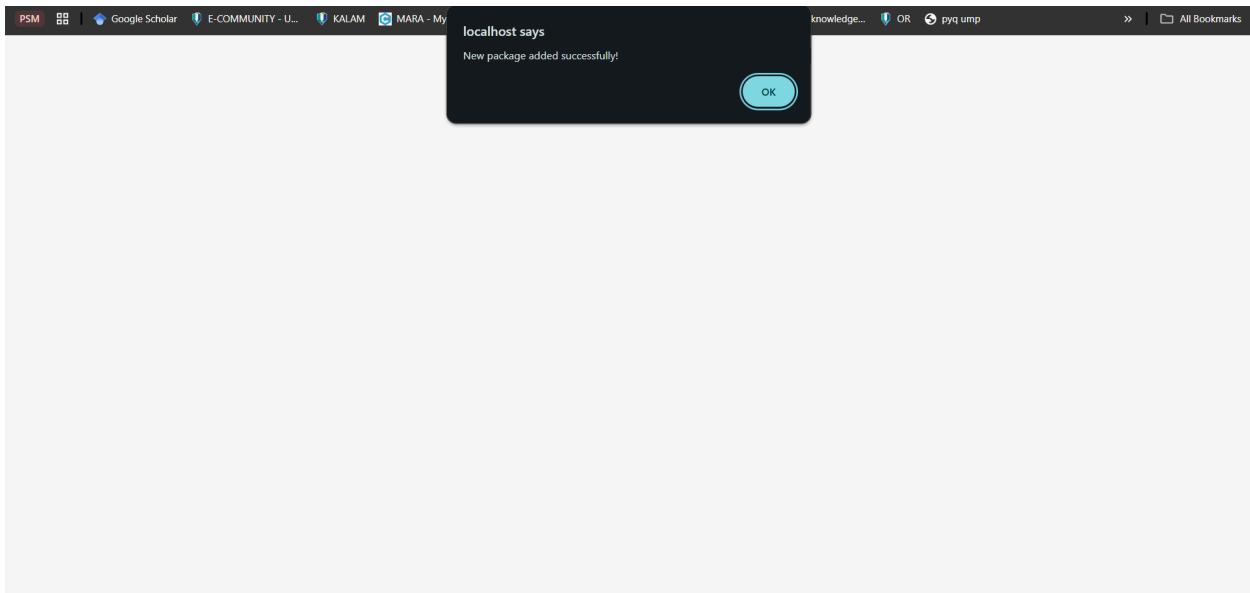
Price: 35.00

Description: Front and back

Reset **Submit**

Back

User is required to fill in all the field.

A screenshot of a web application titled "View Printing Packages". The page has a yellow header with the logo of Al-Gustam Abdullah and the word "Rapid". On the left is a sidebar with navigation links: Dashboard, Profile Management, Membership Details, Printing Package (which is selected and highlighted in yellow), Manage Branches, and Logout. The main content area is titled "View Printing Packages" and contains a search bar with placeholder text "Search by Package Name or Descriptive" and a "Search" button. Below the search bar is a table with the following data:

Package ID	Package Name	Price	Description	Status	Actions
PK1002	Banner (S)	50.00	small banner	Active	<button>Edit</button> <button>Delete</button>
PK1004	Colours	0.50	Per page	Active	<button>Edit</button> <button>Delete</button>
PK1005	Banner (B)	70.00	Big banner	Active	<button>Edit</button> <button>Delete</button>
PK1006	Poster (Glossy)	40.00	Glossy poster for PSM	Active	<button>Edit</button> <button>Delete</button>
PK1007	Banner (M)	50.00	Medium banner	Active	<button>Edit</button> <button>Delete</button>
PK1008	T-shirt	35.00	Front and back	Active	<button>Edit</button> <button>Delete</button>

When the admin clicks 'OK' the data will be added to the table. The status is 'Active' by default.

Edit print package

The screenshot shows the 'Update Printing Packages' form. The left sidebar has a yellow 'Printing Package' button highlighted. The main form fields are:

- Package ID (Read-only): PK1008
- Package Name: t-shirt
- Price: 30.00
- Description: (empty field)
- Status: Active

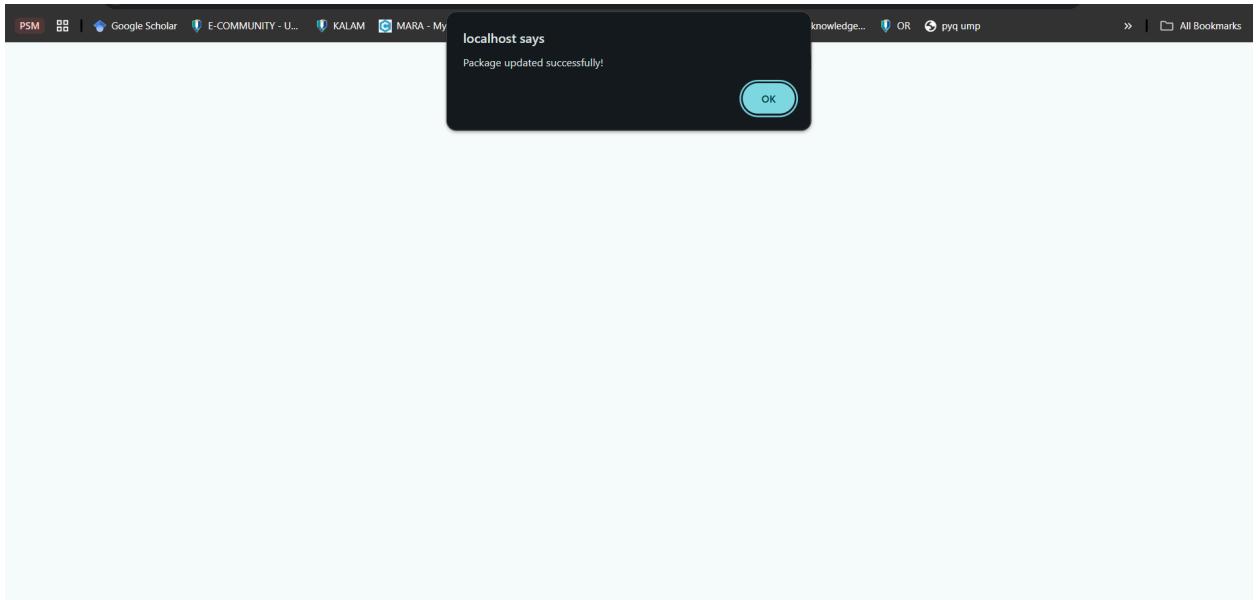
A red box highlights the 'Description' field, and a tooltip says 'Please fill out this field.' The 'Update Package' button is yellow.

[Back to Package List](#)

The screenshot shows the 'Update Printing Packages' form. The left sidebar has a yellow 'Printing Package' button highlighted. The main form fields are identical to the first screenshot, except the 'Description' field now contains 'Printed'. The status dropdown is set to 'Suspended'. The 'Update Package' button is teal.

[Back to Package List](#)

User can change everything except the package ID since it is set to 'read-only'.



A screenshot of a web application titled "View Printing Packages". The header includes the logo of "Rapid PRINT" and a yellow navigation bar with links: Dashboard, Profile Management, Membership Details, and Printing Package (which is currently selected). On the left, a sidebar menu lists: Manage Branches and Logout. The main content area has a title "View Printing Packages" and a search bar. A table lists eight printing packages with columns: Package ID, Package Name, Price, Description, Status, and Actions (Edit and Delete buttons). The last row, which contains the package PK1008 (t-shirt, 30.00, Printed, Suspended), is highlighted with a red border.

As you can see the details had been updated.

Delete print package

localhost says

Are you sure you want to delete this package?

OK Cancel

View Printing Packages

Search by Package Name or Description Search

Package ID	Package Name	Price	Description	Status	Actions
PK1002	Banner (S)	50.00	small banner	Active	<button>Edit</button> <button>Delete</button>
PK1004	Colours	0.50	Per page	Active	<button>Edit</button> <button>Delete</button>
PK1005	Banner (B)	70.00	Big banner	Active	<button>Edit</button> <button>Delete</button>
PK1006	Poster (Glossy)	40.00	Glossy poster for PSM	Active	<button>Edit</button> <button>Delete</button>
PK1007	Banner (M)	50.00	Medium banner	Active	<button>Edit</button> <button>Delete</button>
PK1008	t-shirt	30.00	Printing	Suspended	<button>Edit</button> <button>Delete</button>

localhost/web_project/deletePack.php?package-id=PK1008

View Printing Packages

Search by Package Name or Description Search

Package ID	Package Name	Price	Description	Status	Actions
PK1002	Banner (S)	50.00	small banner	Active	<button>Edit</button> <button>Delete</button>
PK1004	Colours	0.50	Per page	Active	<button>Edit</button> <button>Delete</button>
PK1005	Banner (B)	70.00	Big banner	Active	<button>Edit</button> <button>Delete</button>
PK1006	Poster (Glossy)	40.00	Glossy poster for PSM	Active	<button>Edit</button> <button>Delete</button>
PK1007	Banner (M)	50.00	Medium banner	Active	<button>Edit</button> <button>Delete</button>

Create New Package

Search

Searching using the package name

The screenshot shows a web application interface for managing printing packages. On the left is a sidebar with links: Dashboard, Profile Management, Membership Details, Printing Package (which is highlighted in yellow), Manage Branches, and Logout. The main content area has a yellow header 'View Printing Packages'. Below it is a search bar with a red box around the input field containing 'Banner' and a 'Search' button. A table lists three packages: PK1002 (Banner (S)), PK1005 (Banner (B)), and PK1007 (Banner (M)). The table columns are Package ID, Package Name, Price, Description, Status, and Actions (with 'Edit' and 'Delete' buttons). A red box highlights the 'Package Name' column for all three rows. At the bottom right of the main area is a 'Create New Package' button.

Package ID	Package Name	Price	Description	Status	Actions
PK1002	Banner (S)	50.00	small banner	Active	<button>Edit</button> <button>Delete</button>
PK1005	Banner (B)	70.00	Big banner	Active	<button>Edit</button> <button>Delete</button>
PK1007	Banner (M)	50.00	Medium banner	Active	<button>Edit</button> <button>Delete</button>

Searching using the description

This screenshot shows the same application interface as the previous one. The sidebar and header are identical. The search bar now contains 'Per page' with a red box around the input field. The table below shows a single row for package PK1004, which is listed under 'Colours' with a price of 0.50. The 'Description' column for this row is highlighted with a red box. The table structure is the same as the first screenshot.

Package ID	Package Name	Price	Description	Status	Actions
PK1004	Colours	0.50	Per page	Active	<button>Edit</button> <button>Delete</button>

Module 2 (Student)

1. Student profile management where they can edit their profile

The screenshot shows a web-based profile management interface. The header features the logo of Universiti Malaysia Pahang AL-SULTAN ABDULLAH and the word "Rapid". The left sidebar has a teal background with white text links: Dashboard, Profile Management (which is highlighted in yellow), Membership, Top-up Membership, Make Order, and Logout. The main content area has a yellow header with the title "Profile Management". Below it, a section titled "Student Profile" displays a message: "Your registration status for online printing services: approved". It includes a placeholder profile picture of a person wearing a hijab. Below the picture is a table with three rows of user information:

Name:	wani
Phone Number:	0189145097
Student ID:	STU029

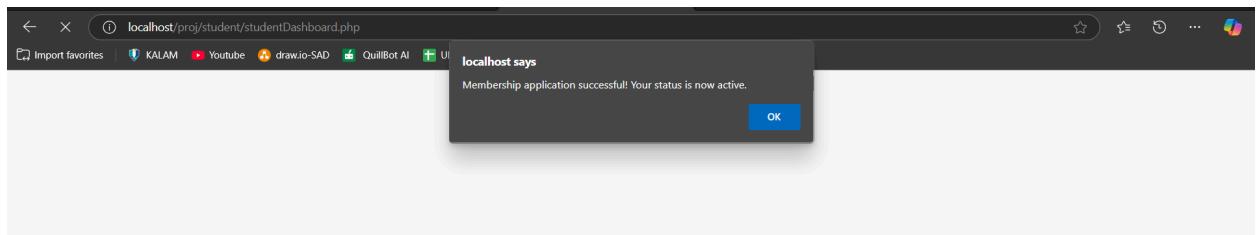
A green "Edit Profile" button is located at the bottom right of the table.

2. Student may upload their verification image and may also view back the file uploaded.

This screenshot shows the same profile management interface as the previous one, but with additional functionality for uploading verification files. The sidebar and header are identical. The main content area now includes a section titled "Upload Your Verification" with a yellow background. It contains a file input field labeled "Choose File" with the placeholder "No file chosen" and a green "Upload" button below it. At the bottom of the page, under "Uploaded Verification", there is a message: "Verification file uploaded:" followed by a blue link "View File".

3. After the registration, student may apply for membership at the dashboard

The screenshot shows the 'Student Dashboard' interface. On the left, there is a vertical sidebar with a yellow header labeled 'Dashboard'. Below it are links: 'Profile Management', 'Membership' (which is highlighted in red), 'Top-up Membership', 'Order History', and 'Logout'. The main content area has a yellow header 'Welcome to Your Dashboard' and a sub-section 'Membership Status' showing 'Unknown'. Below this is a button labeled 'Apply for Membership'. A message at the bottom states 'No membership found. Apply for one below!'. In the top right corner, there is a logo for 'Rapid PRO IN'.



4. After applying the membership, the status will be change to “active”

The screenshot shows the 'Student Dashboard' interface. The sidebar is identical to the previous screenshot. The main content area now shows 'Membership Status' as 'Active'. Below this, it displays 'Your Membership ID: 0'. There is also a message at the bottom stating 'Membership application successful! Your status is now active.'. The 'Rapid PRO IN' logo is visible in the top right.

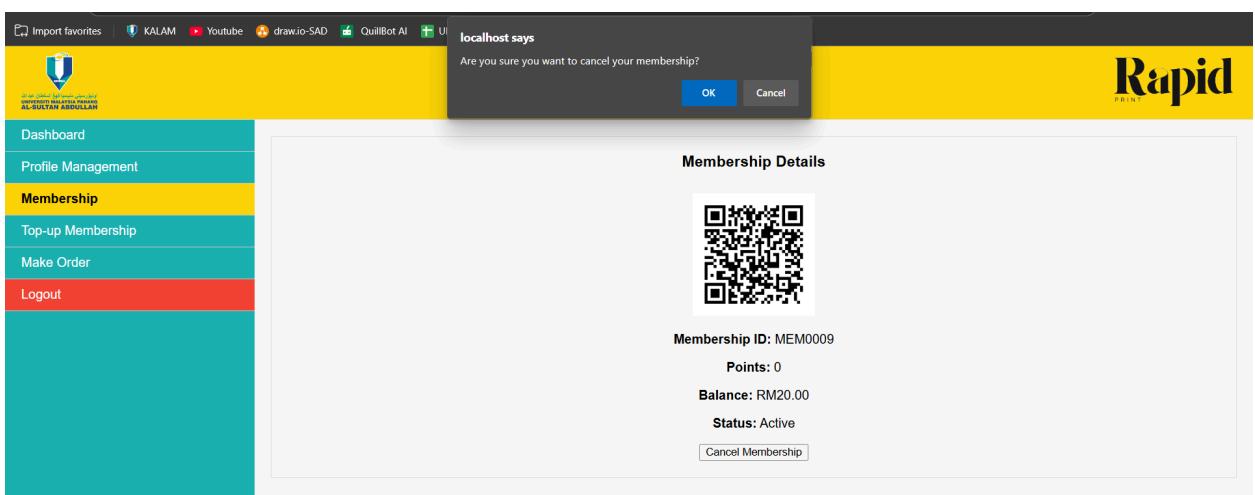
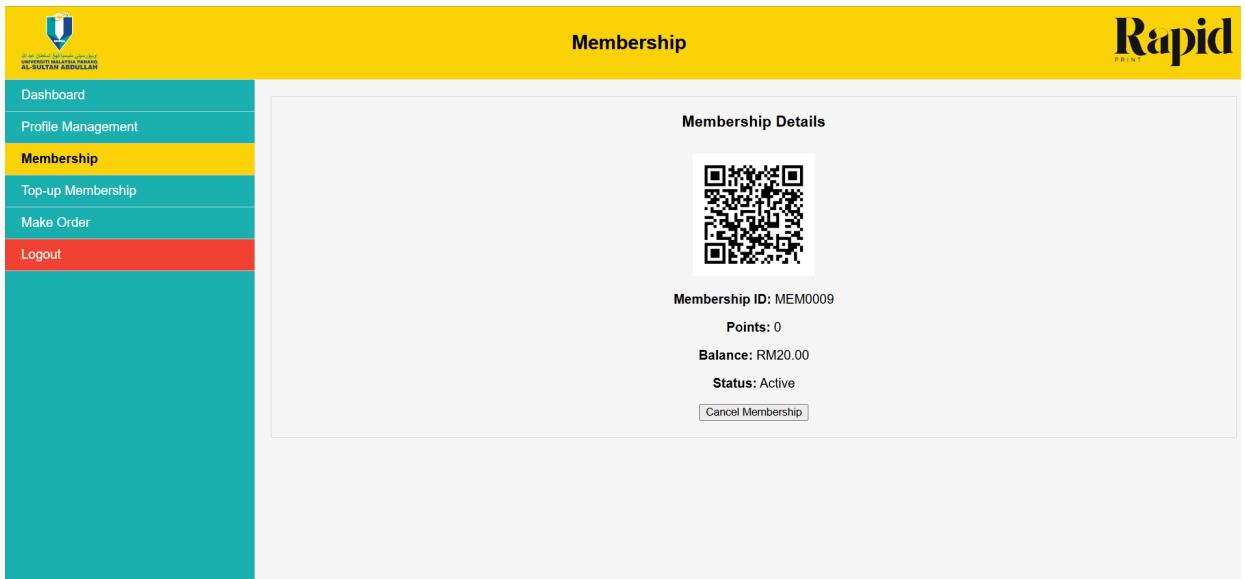
5. Then, after applying the membership, the student will get their qr code

The screenshot shows a web-based application for managing memberships. On the left, there is a vertical navigation menu with the following items: Dashboard, Profile Management, Membership (which is highlighted in yellow), Top-up Membership, Make Order, and Logout. The main content area has a yellow header bar with the word "Membership". Below this, the title "Membership Details" is displayed. To the right of the title is a QR code. Below the QR code, the following information is shown: Membership ID: MEM0009, Points: 0, Balance: RM0.00, and Status: Active. There is also a small button labeled "Cancel Membership". The background of the main content area is light gray.

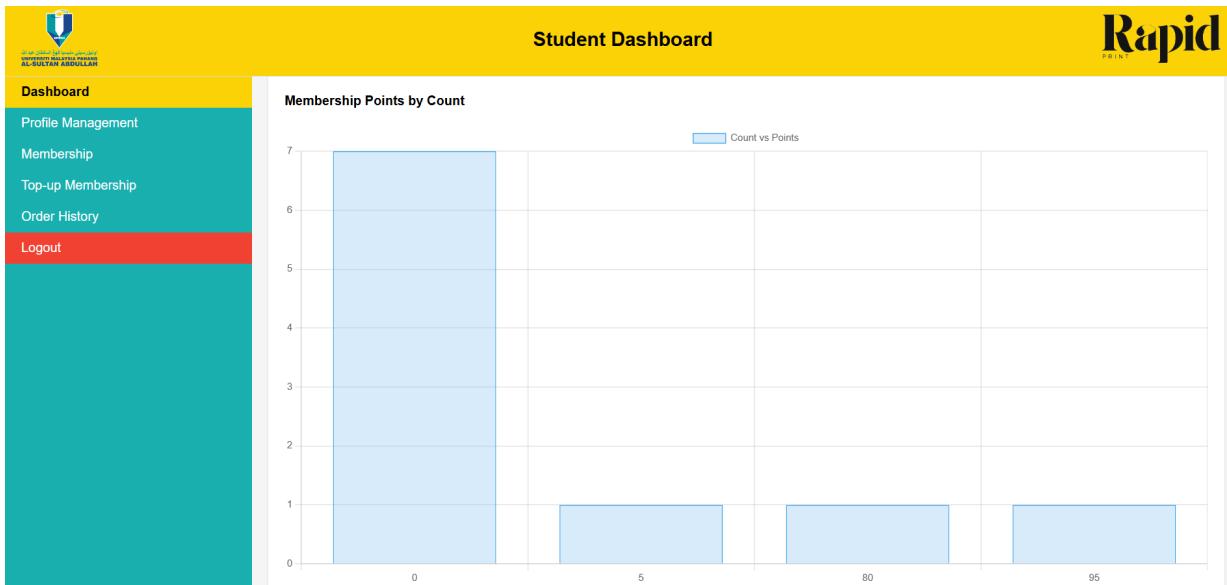
6. Student may also top-up their membership by searching their id

The screenshot shows a web-based application for managing memberships. On the left, there is a vertical navigation menu with the following items: Dashboard, Profile Management, Membership, Top-up Membership (which is highlighted in yellow), Make Order, and Logout. The main content area has a yellow header bar with the title "Top-up Membership". Below this, the heading "Top-up Your Membership" is displayed. The form contains two input fields: "Membership ID:" with the value "MEM0009" and "Top-up Amount:" with the value "20". At the bottom of the form is a large teal-colored button labeled "Top-up". The background of the main content area is light gray.

7. Then it will automatically in the card balance and student may also cancel their membership

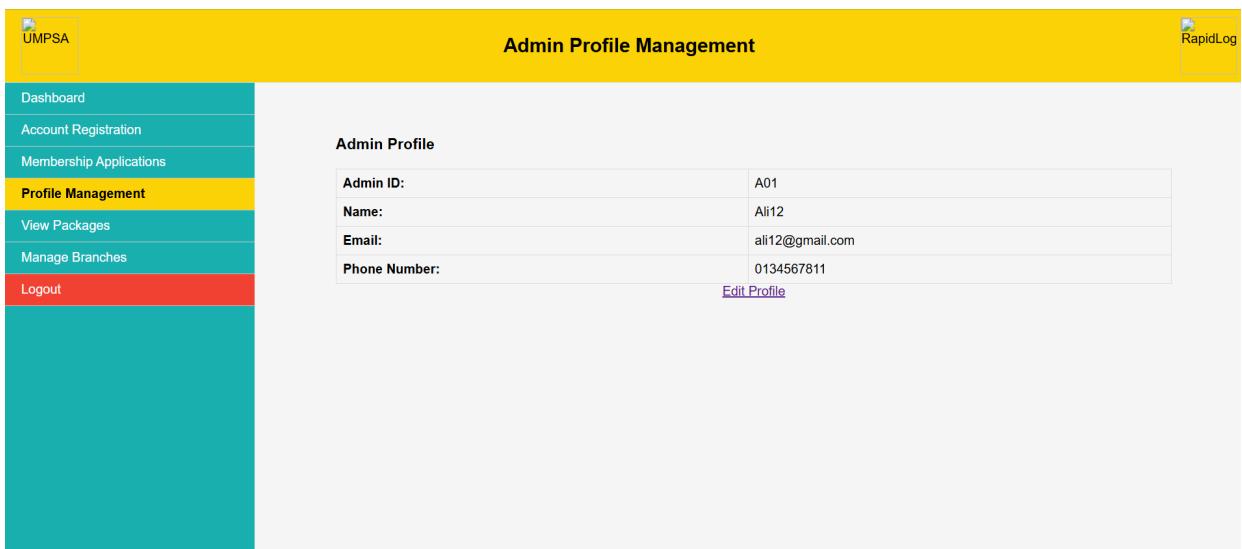


8. This is the student dashboard where the student may view their points



(Admin)

1. Admin profile management where they can edit their profile



2. Student may register their new account by giving the details to admin

3. Admin may view the registered students ; the pending account is where the admin may approve or reject their registration

STUDENT ID	NAME	EMAIL	PHONE	MEMBERSHIP ID	ACTIONS
No Pending Accounts					

STUDENT ID	NAME	EMAIL	PHONE	MEMBERSHIP ID
STU014	amin12	amin12@gmail.com	012534253	MEMSTU014
STU015	ain	ain@gmail.com	0124567912	MEMSTU015
STU016	azim	azim12@gmail.com	012456890	MEMSTU016
STU017	iman	iman12@gmail.com	0124578910	MEMSTU017
STU018	rina	rina@gmail.com	012567890	MEMSTU018
STU019	Dani	dani@umpsa.edu.my	0132232233	MEMSTU019
STU020	reen	reen12@gmail.com	0134578291	MEMSTU020
STU021	wan	wan12@gmail.com	012456890	MEMSTU021
STU022	kina	kina12@gmail.com	012345678	MEMSTU022
STU026	Ainna	nina12@gmail.com	0121112345	MEMSTU026

4. If the admin rejects the student, it will appear here

Registered Student Accounts					
	STUDENT ID	NAME	EMAIL	PHONE	MEMBERSHIP ID
Dashboard	STU016	azim	azim12@gmail.com	012456890	MEMSTU016
Account Registration	STU017	iman	iman12@gmail.com	0124578910	MEMSTU017
Membership Applications	STU018	rina	rina@gmail.com	012567890	MEMSTU018
Profile Management	STU019	Dani	dani@umpsa.edu.my	0132232233	MEMSTU019
Printing Package	STU020	reen	reen12@gmail.com	0134578291	MEMSTU020
Manage Branches	STU021	wan	wan12@gmail.com	012456890	MEMSTU021
Logout	STU022	kina	kina12@gmail.com	012345678	MEMSTU022
	STU026	Ainina	nina12@gmail.com	0121112345	MEMSTU026
	STU027	mika	mike@gmail.com	01110642230	MEMSTU027
	STU029	wani	wani12@gmail.com	0189145097	MEMSTU029
	STU030	anis12	anis12@gmail.com	012345678	MEMSTU030

Rejected Accounts

STUDENT ID	NAME	EMAIL	PHONE	MEMBERSHIP ID
No Rejected Accounts				

[Back](#)

5. Next is the membership applications where the admin may view the student who was applying the membership

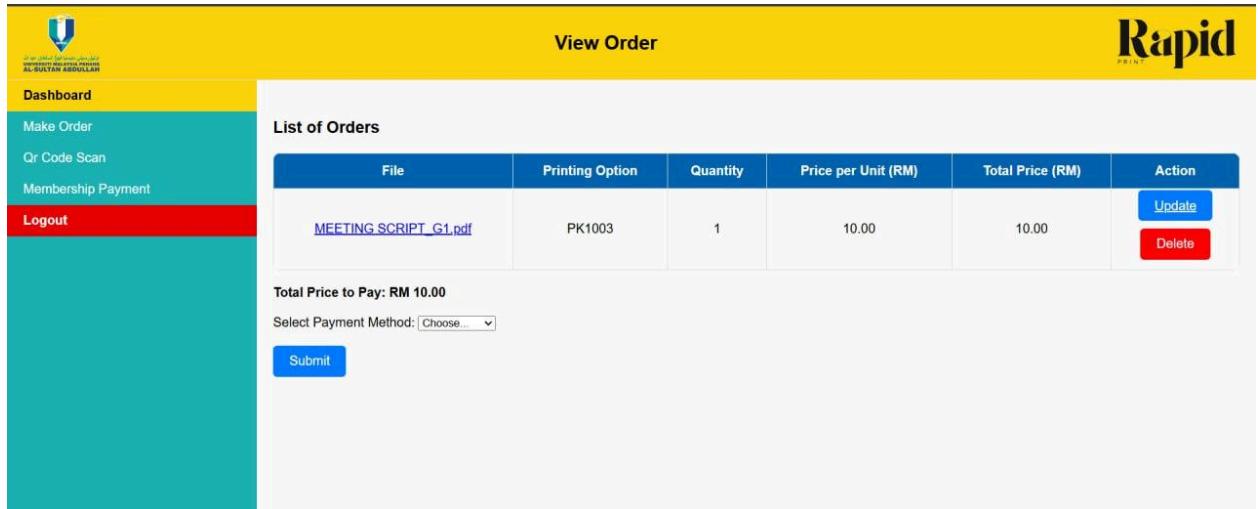
Membership Applications					
	Membership ID	Student Name	Student Email	Status	Actions
Dashboard	MEM0009	wani	wan12@gmail.com	Active	Active
Account Registration	MEM0008	anis12	anis12@gmail.com	Active	Active
Membership Applications	MEM0007	wan	wan12@gmail.com	Active	Active
Profile Management	MEM0006	mika	mike@gmail.com	Active	Active
Printing Package	MEM0005	Ainina	nina12@gmail.com	Active	Active
Manage Branches	MEM0004	amin12	amin12@gmail.com	Active	Active
Logout					

- Order history page is the page where the user views the previous purchase that has been made. There is also a make order button to make a new order.

Order ID	Order Date	Total Price	Status
169	2025-01-10 14:23:46	RM 40.00	completed
170	2025-01-10 14:43:37	RM 20.00	completed
171	2025-01-10 16:17:14	RM 80.00	completed
172	2025-01-10 16:19:01	RM 30.00	completed

- Make order page is where the user inserts the input of orders. User also can add more package with the single order.

3. List of order page is where the list of orders displays for the view of the user before proceeding to payment. The user also can choose between the membership card payment or cash payment.

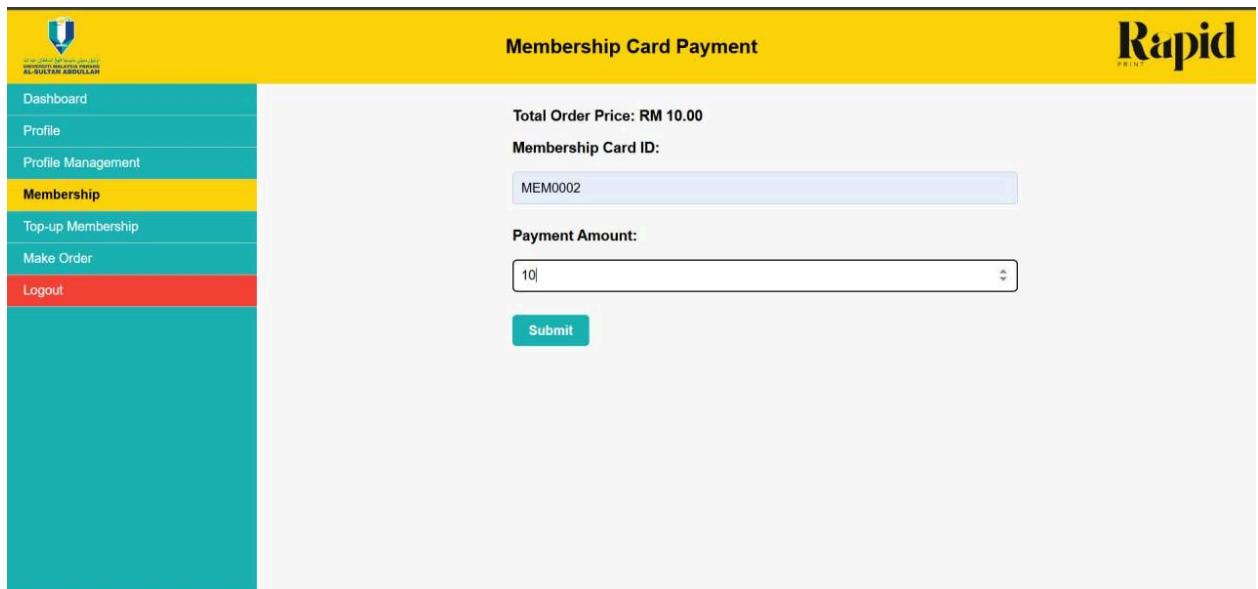


The screenshot shows a web application interface titled "View Order". At the top right is the "Rapid" logo. On the left is a vertical sidebar with a yellow header containing the university's crest and name. Below the sidebar, the menu items are: Dashboard, Make Order, Qr Code Scan, Membership Payment, and Logout. The main content area has a yellow header "List of Orders". Below it is a table with columns: File, Printing Option, Quantity, Price per Unit (RM), Total Price (RM), and Action. There is one row in the table with the following data:

File	Printing Option	Quantity	Price per Unit (RM)	Total Price (RM)	Action
MEETING SCRIPT_G1.pdf	PK1003	1	10.00	10.00	<button>Update</button> <button>Delete</button>

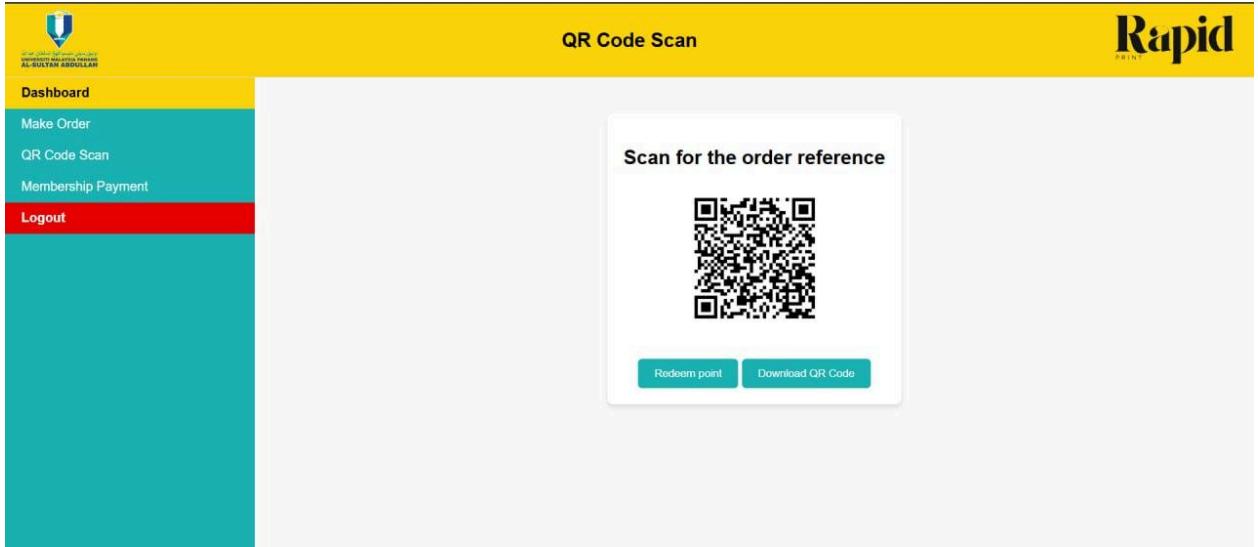
Below the table, the text "Total Price to Pay: RM 10.00" is displayed, followed by a dropdown menu labeled "Select Payment Method: Choose...". A blue "Submit" button is at the bottom.

4. Membership card payment is where user pay the total price with the membership balance that they have.

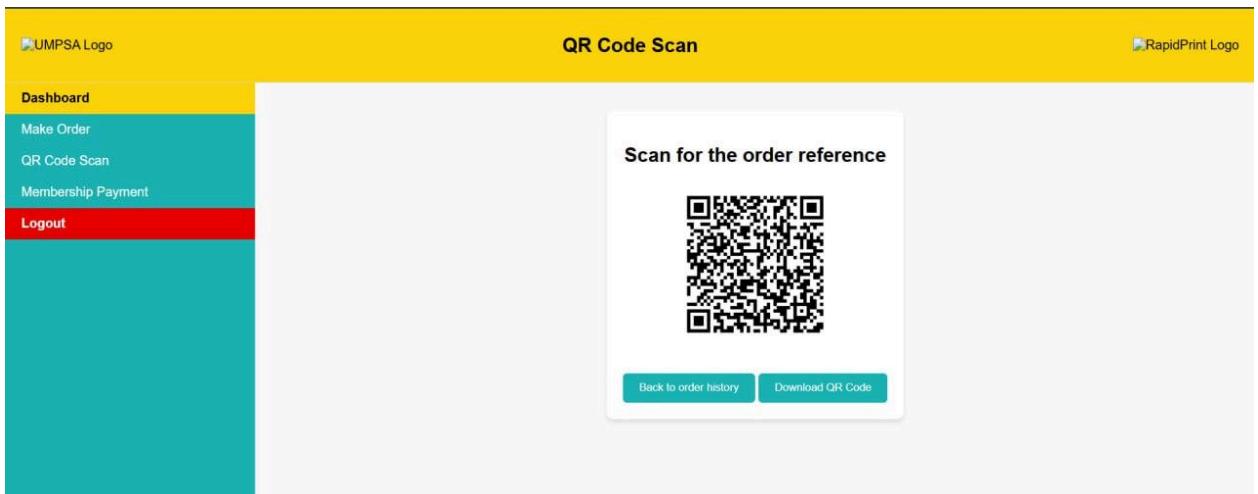


The screenshot shows a web application interface titled "Membership Card Payment". At the top right is the "Rapid" logo. On the left is a vertical sidebar with a yellow header containing the university's crest and name. Below the sidebar, the menu items are: Dashboard, Profile, Profile Management, **Membership**, Top-up Membership, Make Order, and Logout. The main content area has a yellow header "Membership Card Payment". Below it, the text "Total Order Price: RM 10.00" is displayed. A label "Membership Card ID:" is followed by an input field containing "MEM0002". A label "Payment Amount:" is followed by an input field containing "10". A blue "Submit" button is at the bottom.

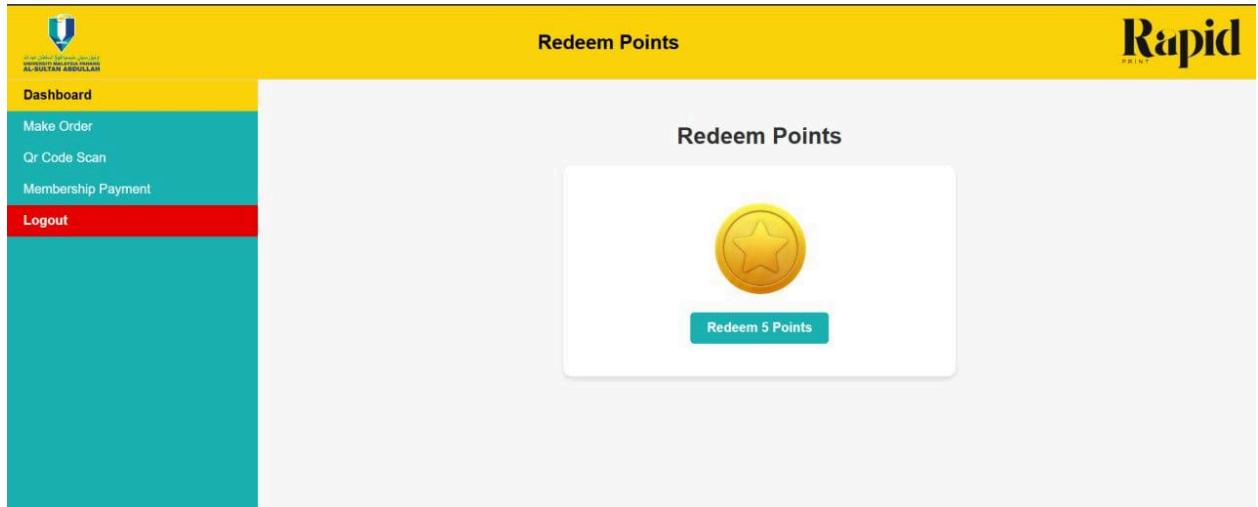
5. Qr code for order reference page for membership card payment.



6. Qr code for order reference page for cash payment or for student that do not have membership card id.

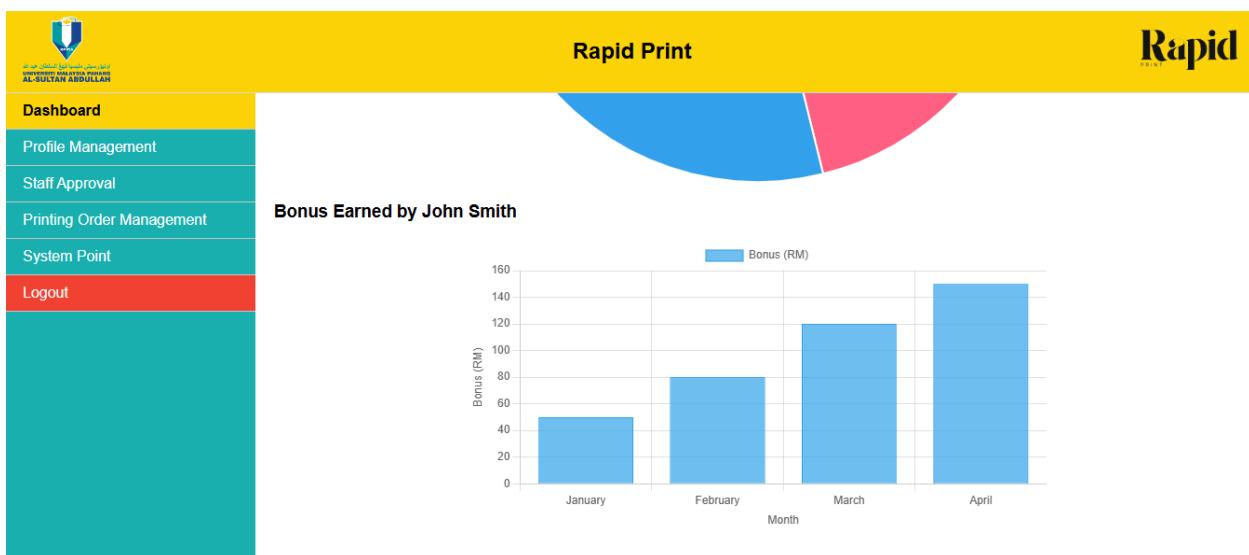
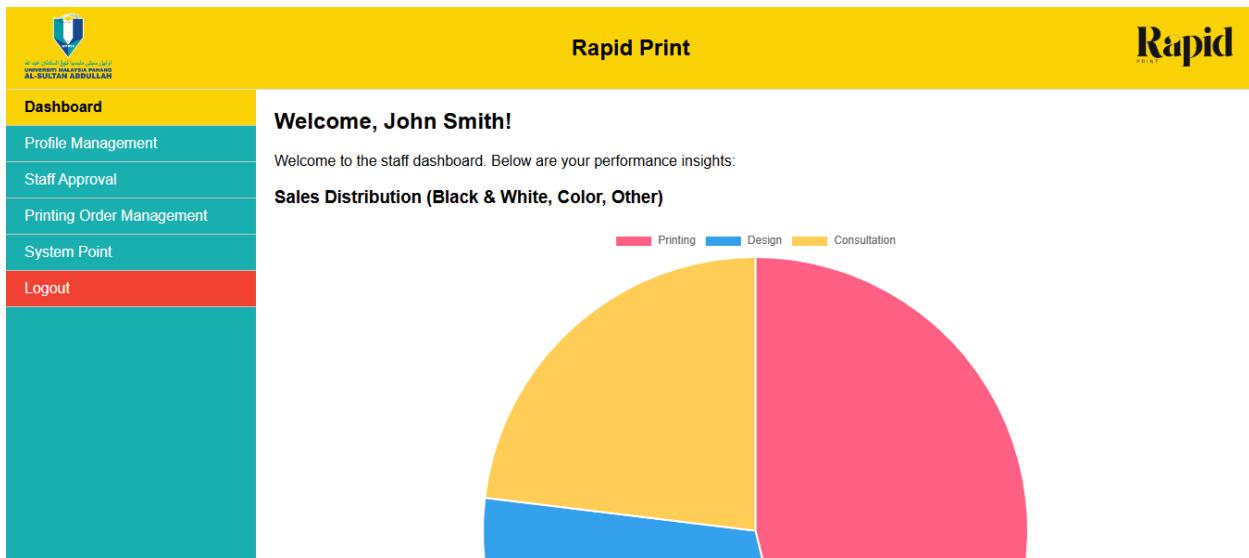


7. Redeem point page is where a user that pays with membership card option redeem point for the use of later purchase.



Module 4

1. Staff dashboard



2. Staff order approval (when the staff clicked the approve button, the status will change)

The screenshot shows a web-based application interface titled "Order Approval". At the top right is the "Rapid" logo. On the left is a vertical sidebar with a yellow header containing the university's logo and name in Arabic and English. Below this, the sidebar has several menu items: "Dashboard" (selected), "Profile Management", "Staff Approval" (selected), "Printing Order Management", "System Point", and "Logout". The main content area has a yellow header "Order Approval" and a sub-header "Approve orders by clicking the Approve button.". Below this is a table with the following data:

Order ID	Package ID	Quantity	Total Price (RM)	Status	Action
117	black_white	20	10.00	Approved	<button>Approved</button>
118	Black and White	1	10.00	Pending	<button>Approve</button>
119	colour	4	20.00	Pending	<button>Approve</button>

3. Printing order management (approved orders will be shown here)

The screenshot shows a web-based application interface titled "Order Management". At the top right is the "Rapid" logo. On the left is a vertical sidebar with a yellow header containing the university's logo and name in Arabic and English. Below this, the sidebar has several menu items: "Dashboard" (selected), "Profile Management", "Staff Approval" (selected), "Printing Order Management" (disabled), "System Point", and "Logout". The main content area has a yellow header "Approved Orders" and a table with the following data:

Order ID	Order Details	Status	Actions		
117	black_white	Pending	<button>Update</button>	<button>Delete</button>	<button>Pending</button>
118	Black and White	Pending	<button>Update</button>	<button>Delete</button>	<button>Pending</button>
119	colour	Pending	<button>Update</button>	<button>Delete</button>	<button>Pending</button>

3.1 staff update the order

Update Order

Order ID (Read-Only)	117
Package ID	Black and White
Quantity	20
Total Price (RM)	10.00

Save Changes

3.2 Staff delete the order

localhost says
Order 117 deleted successfully.

Order ID	Order Details	Status	Actions
117	black_white	Pending	<button>Update</button> <button>Delete</button> <button>Pending</button> <button>Submit</button>
118	Black and White	Pending	<button>Update</button> <button>Delete</button> <button>Pending</button> <button>Submit</button>
119	colour	Pending	<button>Update</button> <button>Delete</button> <button>Pending</button> <button>Submit</button>

3.3 Order invoice (will appear when the status is “completed” or “collected” and when the staff click the submit button)

The screenshot shows a web-based application for managing orders. On the left is a vertical sidebar with a yellow header containing the logo of "Al-Sultan Abdullah University & Islamic Science". Below the header, the sidebar has several menu items: Dashboard (selected), Profile Management, Staff Approval, Printing Order Management, System Point, and Logout. The main content area has a yellow header with the "Rapid PRINT" logo. Below the header, a modal window titled "localhost says" displays the message: "Order 118 cannot be submitted as it is still pending." An "OK" button is at the bottom right of the modal. The main content area is titled "Approved Orders" and contains a table with two rows of order data. The columns are Order ID, Order Details, Status, and Actions. Order 118 has Order ID 118, Details "Black and White", Status "Pending", and Actions buttons for Update, Delete, Pending dropdown (set to Pending), and Submit. Order 119 has Order ID 119, Details "colour", Status "Pending", and similar Actions buttons.

Order ID	Order Details	Status	Actions
118	Black and White	Pending	<button>Update</button> <button>Delete</button> <button>Pending</button> <button>Submit</button>
119	colour	Pending	<button>Update</button> <button>Delete</button> <button>Pending</button> <button>Submit</button>

This screenshot is similar to the one above but shows a completed order. The modal window now displays the message: "Invoice generated: Order ID: 118 Details: Black and White Status: Completed". The "Status" column in the table now shows "Completed" for both orders. The "Actions" buttons remain the same: Update, Delete, Pending dropdown (set to Completed), and Submit.

Order ID	Order Details	Status	Actions
118	Black and White	Completed	<button>Update</button> <button>Delete</button> <button>Completed</button> <button>Submit</button>
119	colour	Pending	<button>Update</button> <button>Delete</button> <button>Pending</button> <button>Submit</button>

4. System points

The screenshot shows a web-based application interface. At the top right is the logo "Rapid Print". On the left is a vertical sidebar with a yellow header labeled "Dashboard" and a teal body containing links: "Profile Management", "Staff Approval", "Printing Order Management", "System Point" (which is highlighted in red), and "Logout". The main content area has a yellow header "System Points" and a teal sub-header "Staff Management". Below this is a table with the following data:

Staff ID	Name	Email	Sales (This Month)	Bonus	QR Code
1	John Smith	john.smith@example.com	380	120	
2	Olivia Johnson	olivia.johnson@example.com	450	120	
3	Liam Brown	liam.brown@example.com	320	80	
4	Emma Williams	emma.williams@example.com	220	50	
5	James Miller	james.miller@example.com	500	150	

5.Logout (when the staff clicked logout, it will be redirected to the login page)

