



**UNIVERSITI TEKNOLOGI MARA (UiTM)**

**FACULTY OF INFORMATION SCIENCE**

**BACHELOR OF INFORMATION SCIENCE (HONS) INFORMATION SYSTEMS  
MANAGEMENT (CDIM262)**

**IMS566 – ADVANCED WEB DESIGN DEVELOPMENT AND CONTENT MANAGEMENT**

**GROUP ASSIGNMENT:**

**WEB APPLICATION PROJECT - MYPMH**

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**SUBMISSION DATE:**

**2<sup>nd</sup> February 2026**

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## **ACKNOWLEDGEMENT**

We would like to express our sincere appreciation to **Dr. Muhammad Asyraf bin Wahid Anuar**, our lecturer for the Advanced Web Design Development and Content Management subject, for his guidance, support, and continuous encouragement throughout the development of this project. His clear instructions and constructive feedback helped us understand project management concepts and apply them effectively during each phase of the project.

We are grateful for his patience and dedication in guiding us through various challenges, especially in planning, coordination, and problem-solving. His advice enabled us to improve our teamwork, manage tasks systematically, and ensure the project was completed according to the required objectives and timeline.

We would also like to thank our classmates for their cooperation, helpful discussions, and shared ideas, which contributed positively to the completion of this project. Lastly, we appreciate everyone who provided assistance and support, whether directly or indirectly, throughout the project development process.

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## **1.0 INTRODUCTION**

MyPMH is a web-based student portal developed specifically for Persatuan Mahasiswa Hadhari (PMH), a student association at Universiti Teknologi MARA (UiTM) Kampus Puncak Perdana. The system was created to help manage and streamline the organization's daily operations, including membership applications, program management, and merchandise pre-ordering.

The main purpose of this system is to provide students with easy access to information about PMH activities, allow them to apply for membership, view upcoming programs, and pre-order official merchandise. For administrators, the system offers comprehensive tools to manage applications, organize events, track orders, and maintain interview schedules efficiently.

This project was built using the CakePHP 4.5 framework to ensure a secure, maintainable, and scalable codebase. The system implements role-based access control where students and administrators have different levels of access and functionality. Students can register, login, view programs, submit membership applications, and pre-order merchandise. Administrators can manage all applications, create programs, handle merchandise availability, manage orders, and generate official PDF letters.

The system follows a modern, responsive design approach using Tailwind CSS for styling, ensuring that users can access the portal from both desktop computers and mobile devices with a consistent experience. The color scheme follows PMH's official branding using purple (#7c2a7c) as the primary color and yellow (#edd134) as the accent color.

## 2.0 GITHUB REPOSITORY LINK

Link: <https://github.com/Zahid-Hanafi/mypmh.git>

## 3.0 ENTITY-RELATIONSHIP DIAGRAM (ERD)

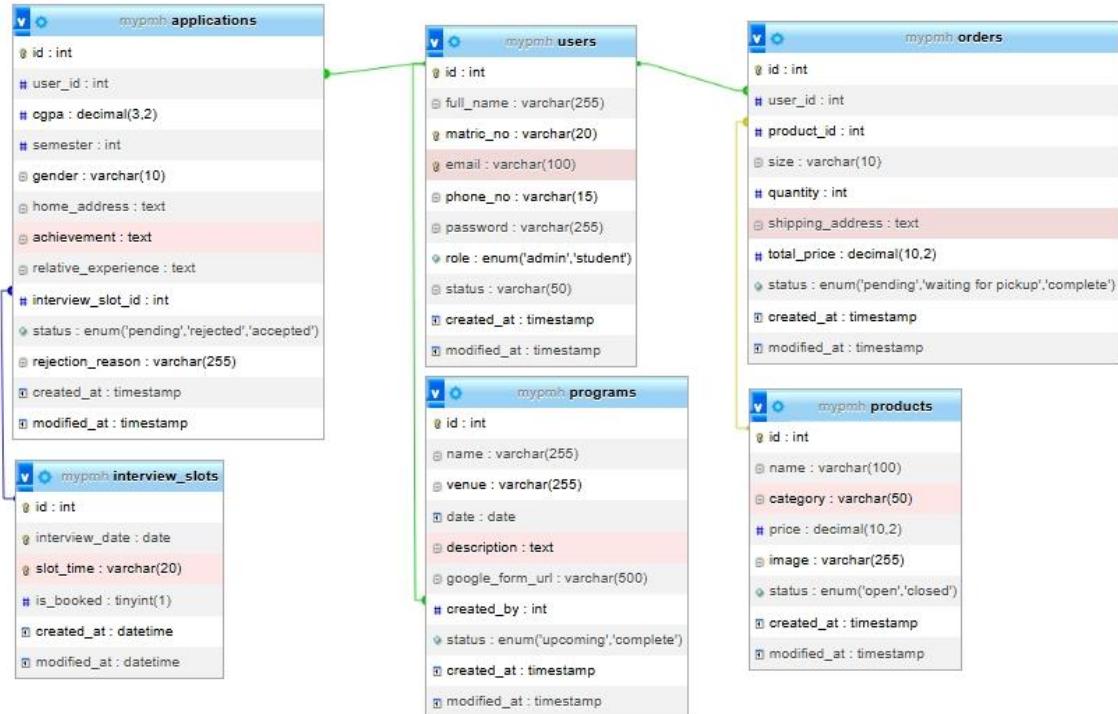


Figure 3.0: ERD of MyPMH

## 4.0 SYSTEM REQUIREMENTS

### 4.1 SOFTWARE

The following software is required to run the MyPMH system:

Category	Software	Description
Operating System	Windows 10/11	The development and deployment environment
Web Server Stack	Laragon	Includes Apache web server, MySQL, and PHP
Database Server	MySQL 5.7+ / MariaDB 10.3+	For storing all system data
PHP Runtime	PHP 7.4 or higher	Server-side scripting language
Package Manager	Composer 2.x	PHP dependency manager
Web Browser	Google Chrome / Mozilla Firefox / Microsoft Edge	Latest versions recommended
Text Editor (Optional)	Visual Studio Code	For development purposes

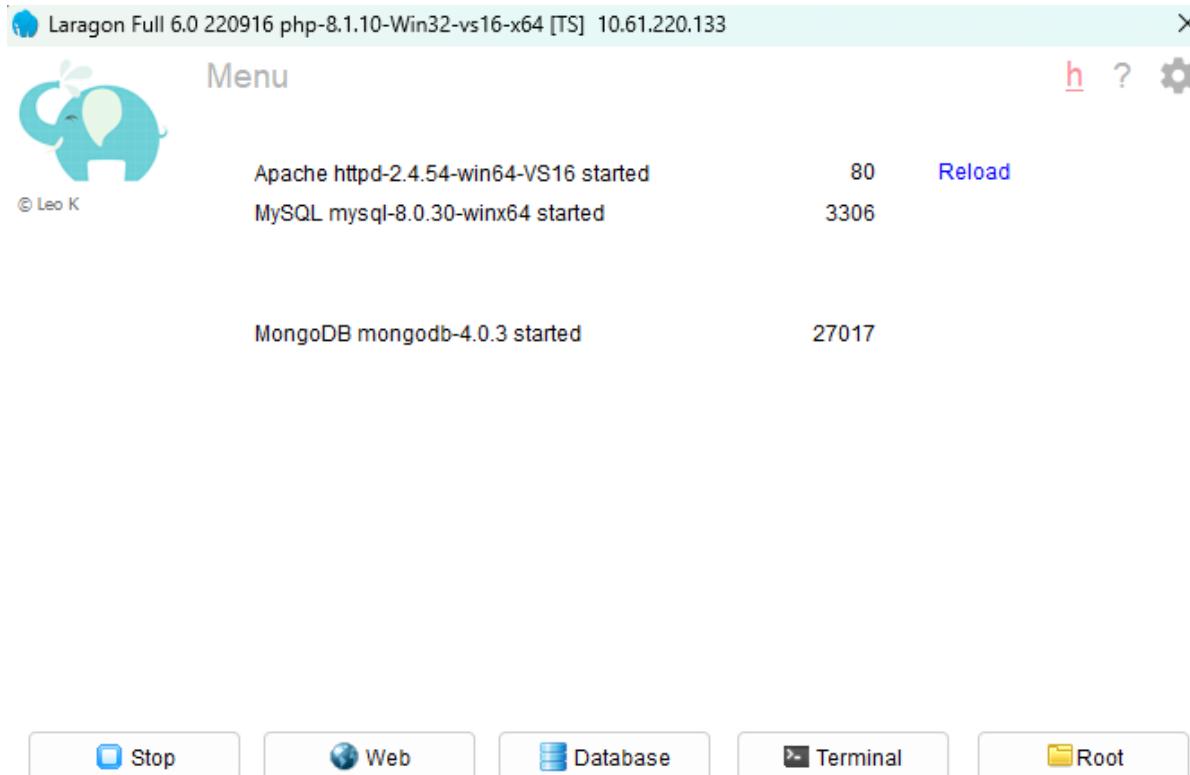


Figure 4.1: Laragon running with Apache and MySQL started.

## 4.2 VERSION COMPATIBILITY

The MyPMH system has been tested and verified to work with the following software versions:

Component	Minimum Version	Recommended Version
PHP	7.4	8.1 or higher
CakePHP Framework	4.5.0	4.5.0
MySQL	5.7	8.0
MariaDB	10.3	10.6
Composer	2.0	2.6 or higher
Apache	2.4	2.4

The system uses PHP 7.4 as the minimum requirement due to CakePHP 4.x dependencies. However, PHP 8.x is fully supported and recommended for better performance and security.

## 4.3 DEPENDENCIES

The MyPMH system relies on the following third-party libraries and packages:

### Core Dependencies

Package	Version	Purpose
cakephp/cakephp	^4.5.0	Main PHP framework providing MVC architecture
cakephp/authentication	^2.11	Handles user login, logout, and session management
cakephp/migrations	^3.7	Database migration tool for version control
cakephp/plugin-installer	^1.3	Manages CakePHP plugin installation
dompdf/dompdf	^3.1	PDF generation for acceptance/rejection letters and receipts
mobiledetect/mobiledetectlib	^3.74	Detects mobile devices for responsive design

## **Development Dependencies**

<b>Package</b>	<b>Version</b>	<b>Purpose</b>
cakephp/bake	^2.8	Code generation tool for rapid development
cakephp/debug_kit	^4.9	Debugging toolbar for development
phpunit/phpunit	^9.6	Testing framework
cakephp/cakephp-codesniffer	^4.5	Code style checking

## **Frontend Libraries (CDN-based)**

<b>Library</b>	<b>Purpose</b>
Tailwind CSS	Utility-first CSS framework for styling
Font Awesome 6.0	Icon library for user interface icons
Google Fonts (Inter)	Modern typography for clean readability
Flatpickr	Calendar date picker widget

## 5.0 USER INTERFACE OVERVIEW (LAYOUT, NAVIGATION)

The MyPMH system features a modern, clean, and responsive user interface designed to provide an excellent user experience on both desktop and mobile devices.

### 5.1 OVERALL LAYOUT STRUCTURE

The system uses a consistent layout throughout all pages with the following components:

1. Header - Contains the logo, main navigation links, real-time clock, and user profile dropdown
2. Main Content Area - Displays the current page content with proper spacing and organization
3. Footer - Shows organization information, quick links, and social media links

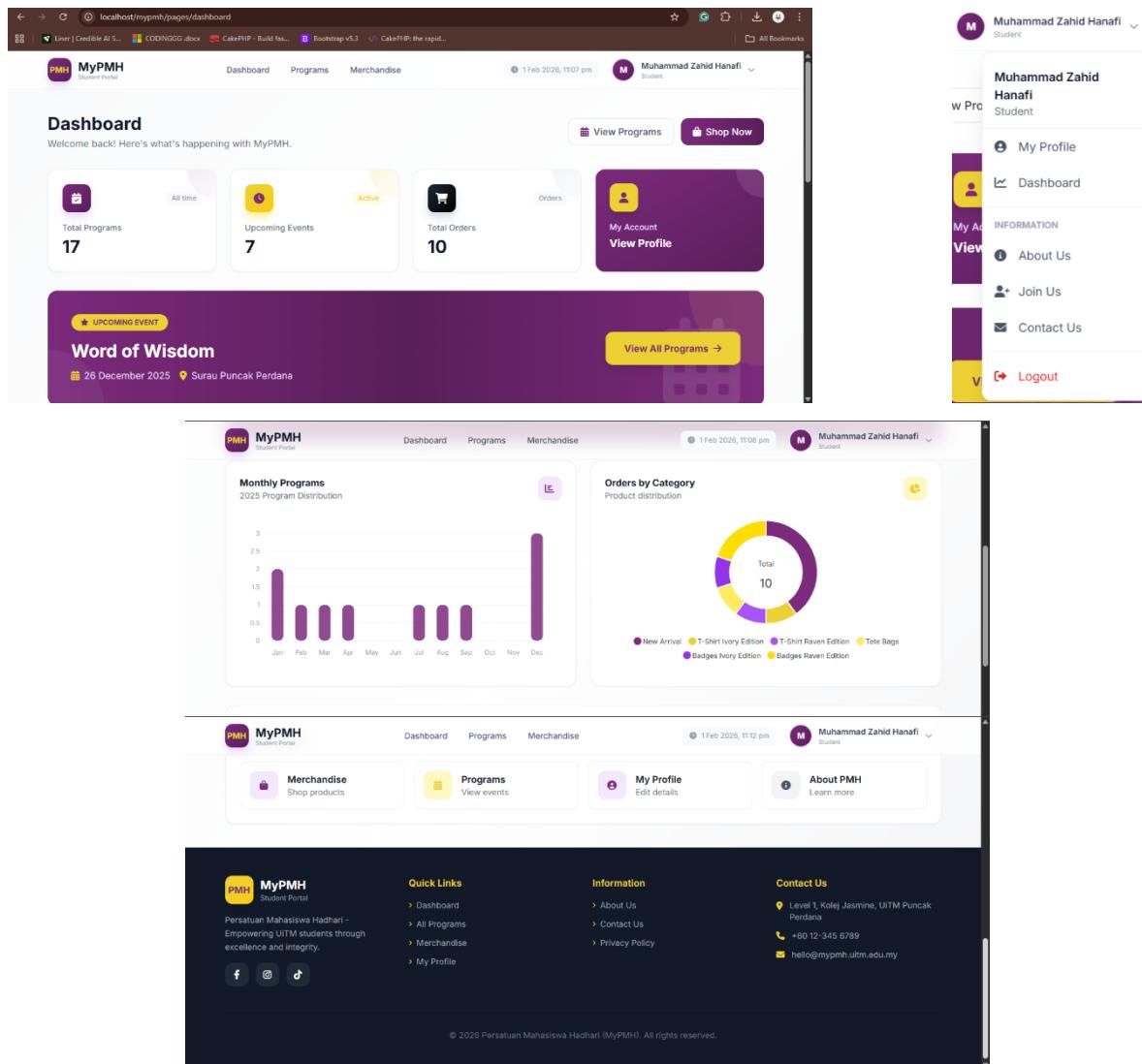


Figure 5.1: complete layout with header, content, and footer visible.

## 5.2 COLOR SCHEME AND BRANDING

The system follows PMH's official branding:

Element	Color	Hex Code
Primary Color	Purple	#7c2a7c
Primary Dark	Dark Purple	#5a1f5a
Accent Color	Yellow	#edd134
Background	Light Gray Gradient	from-gray-50 to-gray-100
Text Primary	Dark Gray	#111827
Text Secondary	Medium Gray	#6b7280

## 5.3 NAVIGATION SYSTEM

The navigation system adapts based on the user's role:

Student Navigation Menu:	Administrator Navigation Menu:
Dashboard	Dashboard
All Programs	Programs (with CRUD access)
Merchandise	Orders (Total Order Management)
About Us	Applications (Membership Management)
Join Us (Membership Application)	Merchandise
Contact Us	My Profile
My Profile	Logout
Logout	

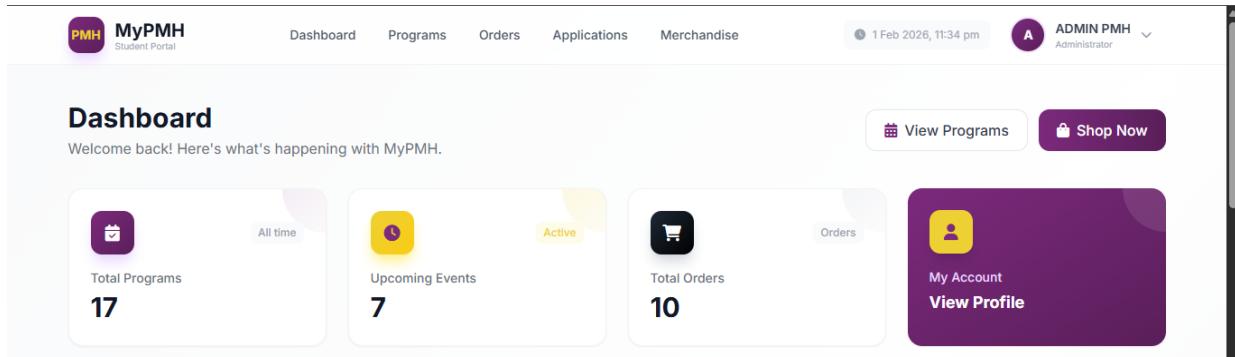


Figure 5.3.1: navigation menu for an admin

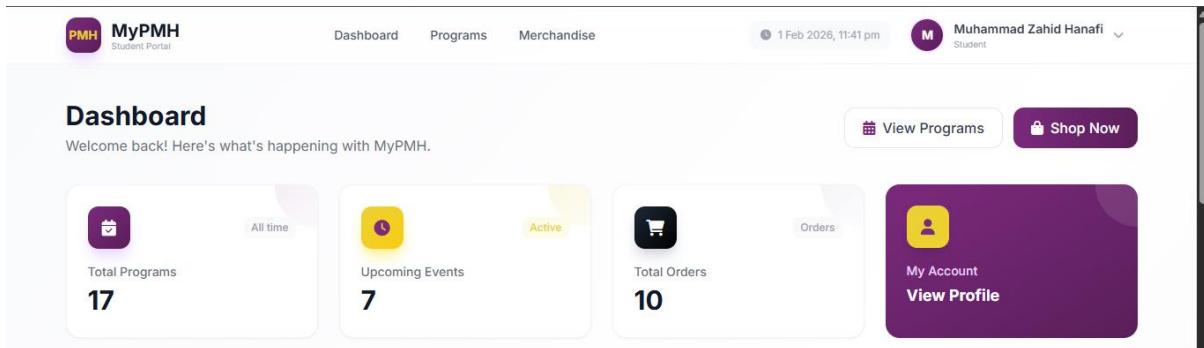


Figure 5.3.2: navigation menu for a student

## 5.4 MOBILE RESPONSIVE DESIGN

On mobile devices, the navigation collapses into a hamburger menu ( $\equiv$ ) that slides in from the left side. This sidebar contains all navigation links and user information in an organized manner.

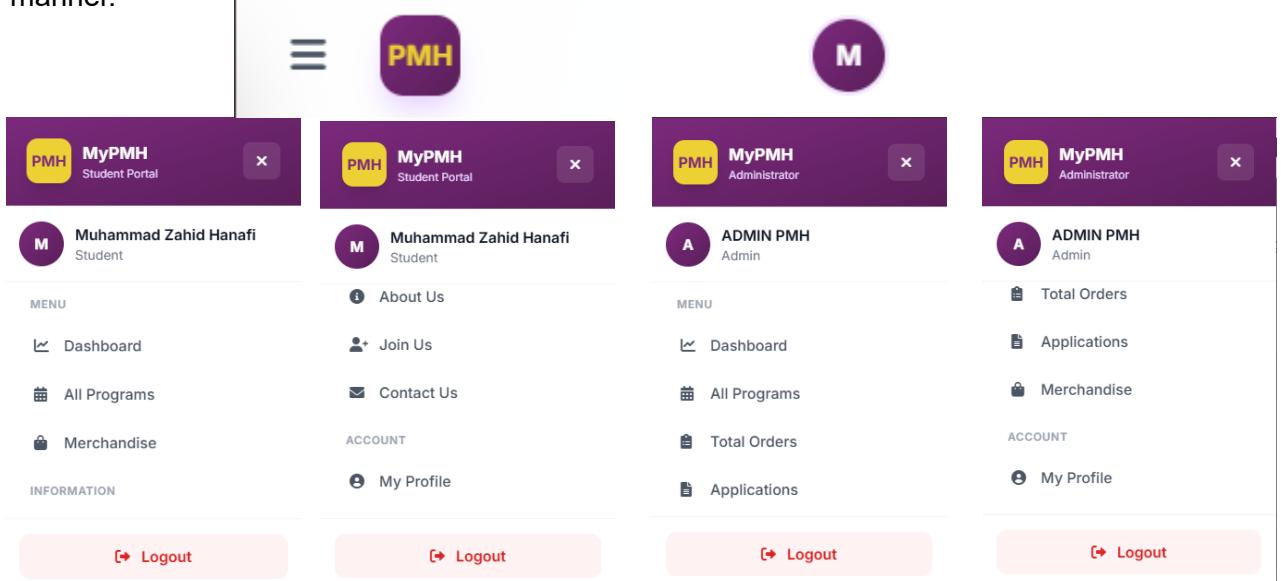


Figure 5.4: the mobile sidebar menu open for student and admin

## 5.5 USER PROFILE DROPODOWN

The user profile dropdown in the header provides quick access to:

- User's name and role indicator
- My Profile link
- Dashboard link
- Additional links based on role
- Logout button

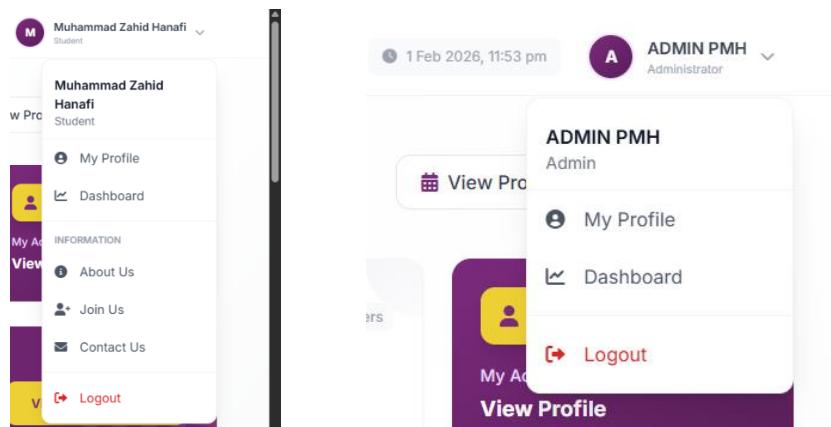


Figure 5.4: user profile dropdown menu expanded for student and admin.

## 6.0 FEATURES & FUNCTIONALITIES

### 6.1 USER AUTHENTICATION MODULE

#### 6.1.1 LOGIN PAGE

The login page provides role-based authentication for both students and administrators. Users must select their role (Student or Admin) before entering their credentials.

##### Key Features:

- Role selection cards (Student/Admin) with visual icons
- Matric number input field with icon indicator
- Password input with show/hide toggle button
- "Forgot Password?" link for password recovery
- "Create Account" link for new user registration
- Modern purple gradient background with floating decorative elements
- Animated logo with glowing effect

##### How to Use:

1. Select your role by clicking on "Student" or "Admin" card
2. Enter your matric number in the provided field
3. Enter your password
4. Click the "Sign In" button to access the system

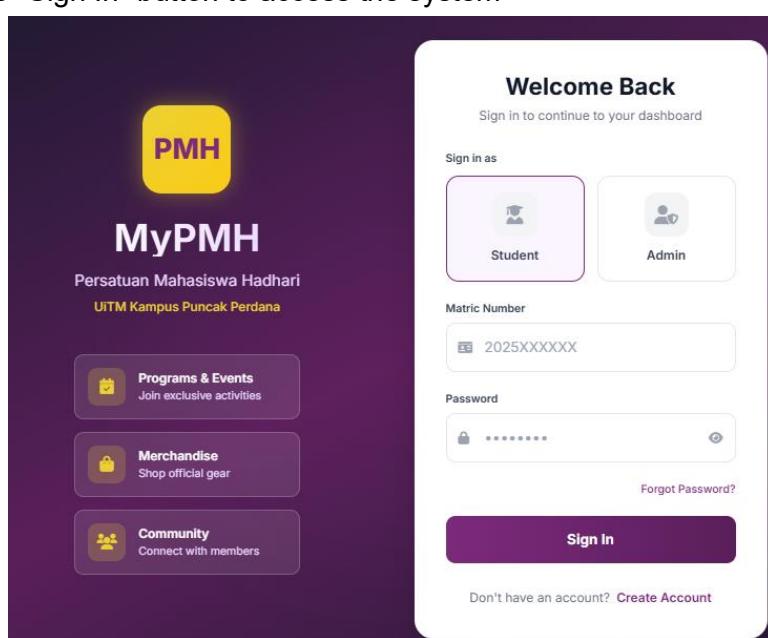


Figure 6.1.1: Login page showing the role selection and login form.

## 6.1.2 REGISTRATION PAGE

New students can create an account through the registration page. The registration form collects essential information needed for the student profile.

### Registration Fields:

- Full Name
- Matric Number (used as username)
- Email Address
- Phone Number
- Password (with confirmation)

### Key Features:

- Input validation with error messages
- Password confirmation matching
- Automatic role assignment as "Student"
- Success message upon registration completion
- Redirect to login page after successful registration

### How to Use:

1. Click "Create Account" from the login page
2. Fill in all required fields with accurate information
3. Ensure password and confirm password match
4. Click "Register" to create your account
5. You will be redirected to the login page with a success message

The screenshot shows the 'Create Account' form on the MyPMH website. The form is titled 'Create Account' and includes a placeholder 'Fill in your details to get started'. It contains fields for 'Full Name' (with a placeholder 'Enter your full name'), 'Matric No.' (containing '2025XXXXXX'), 'Phone No.' (containing '01X-XXXXXXX'), 'Email Address' (containing 'email@student.ulm.edu.my'), 'Password' (containing a masked password), and 'Confirm Password' (containing a masked password). Below the password fields are validation rules: 'Min. 8 chars', '1 number', '1 uppercase', and '1 symbol'. A 'Create Account' button is at the bottom, followed by a link 'Already have an account? Sign In'.

Figure 6.1.2: Registration page showing the registration form.

### 6.1.3 FORGOT PASSWORD

Students can recover their account access through the forgot password feature. The system verifies the user's identity using their matric number and registered email.

#### How to Use:

1. Click "Forgot Password?" on the login page
2. Enter your matric number
3. Enter your registered email address
4. If verification is successful, you will be directed to reset your password
5. Enter a new password and confirm it
6. Login with your new password

The image consists of two side-by-side screenshots of a mobile application. Both screenshots have a dark purple header with the letters 'PMH' in white. The left screenshot is titled 'Forgot Password' and contains instructions: 'Enter your matric number and email to verify your identity'. It has two input fields: 'Matric Number' (placeholder: 'Enter your matric number') and 'Email Address' (placeholder: 'Enter your email'). Below these is a large purple button labeled 'Verify Identity'. At the bottom, there is a link '← Back to Login' and a copyright notice: '© 2026 Persatuan Mahasiswa Hadhari. All rights reserved.' The right screenshot is titled 'Reset Password' and contains instructions: 'Create a new password for Muhammad Zahid Hanafi'. It has two input fields: 'New Password' (placeholder: 'Enter new password') with a note below: 'Min 8 chars, 1 uppercase, 1 number, 1 symbol.' and 'Confirm Password' (placeholder: 'Re-enter new password'). Below these is a large purple button labeled 'Reset Password'. At the bottom, there is a link '← Back to Login' and a copyright notice: '© 2026 Persatuan Mahasiswa Hadhari. All rights reserved.'

Figure 6.1.3.1: Forgot Password page.

Figure 6.1.3.2: Reset Password page.

#### 6.1.4 USER PROFILE MANAGEMENT

Logged-in users can view and update their profile information through the My Profile page.

##### Editable Fields:

- Full Name
- Email Address
- Phone Number
- Password (optional - leave blank to keep current password)

##### Key Features:

- Display of current profile information
- Form validation for all fields
- Password change with proper hashing
- Success message upon update

The screenshot shows the MyPMH Student Portal interface. At the top, there is a navigation bar with links for Dashboard, Programs, and Merchandise. On the right side, a user profile is displayed with the name "Muhammad Zahid Hanafi", status "Student", and a profile picture placeholder "M". Below the navigation bar, there is a large purple header section featuring a yellow circular icon with a white letter "M". The header also displays the name "Muhammad Zahid Hanafi" and the matric number "2025127713". To the left of this header, there is a sidebar titled "ACCOUNT INFO" containing the following details:

- Metric No.: 2025127713
- Email: zahidhanafi52@gmail.com
- Phone: 0178436055
- Status: Active

On the right side of the screen, there is a modal window titled "Edit Profile" with the sub-instruction "Update your personal information". The modal contains four input fields:

- "Full Name": Muhammad Zahid Hanafi
- "Email Address": zahidhanafi52@gmail.com
- "Phone Number": 0178436055
- "New Password": A placeholder text "Leave blank to keep current password" followed by a note "Must contain at least 8 characters, 1 uppercase, 1 number, and 1 symbol."

Below these fields, there is a "Matric No." field with the value "2025127713". At the bottom of the modal, there are two buttons: a purple "Save Changes" button and a grey "Cancel" button.

Figure 6.1.4: User Profile page showing the profile editing form.

## 6.2 PROGRAMS MANAGEMENT MODULE

### 6.2.1 ALL PROGRAMS PAGE (STUDENT VIEW)

Students can view all PMH programs and events through the All Programs page. This page features an interactive calendar and a comprehensive program list.

#### Key Features:

- Interactive calendar using Flatpickr library
- Color-coded dates: Yellow for upcoming programs, Green for completed programs
- Program list with date, name, venue, status, and "Join" button
- Information about student benefits (Free food, E-Merit points)
- "Join Now" buttons linking to Google Form registration
- "Coming Soon" indicator for programs without registration links

#### Calendar Legend:

- Yellow dates = Upcoming programs
- Green dates = Completed programs
- Click on any highlighted date to see program details

The screenshot shows the 'All Programs 2025' section of the MyPMH platform. At the top, there's a navigation bar with 'Dashboard', 'Programs', and 'Merchandise'. Below it, a user profile for 'Muhammad Zahid Hanafi' is shown. A 'View All Programs' button is also present. The main area has a 'Calendar Status' section with 'Upcoming' (yellow) and 'Complete' (green) buttons. To the left is a calendar for February 2026, where the 1st, 2nd, 4th, 5th, 28th, and 29th are highlighted in yellow. To the right is a 'Student Benefit Program' section with a purple icon, a brief description, and two small callout boxes: one for 'Free Food' and another for 'E-Merit'. On the far right is a 'Program List' table with columns for Date, Program Name, Venue, Status, and Action. It lists five instances of 'Word of Wisdom' from January 2025, all marked as 'Complete'.

Figure 6.2.1.1: All Programs page showing the calendar and program list.

This screenshot shows a zoomed-in view of the March 2026 calendar. The 1st, 2nd, 3rd, 4th, and 5th are highlighted in yellow. Clicking on the 8th reveals a detailed program card for 'Pengurusan Mayat' (Burial Arrangement). The card includes the date '1 March 2026', a location 'Surau Puncak Perdana', an organizer 'Persatuan Mahasiswa Hadhari and Unit Hal Ehwal Islam UITM', and a description stating it offers free access to spiritual...'. It also features a purple 'Join' button and a white 'Details' button.

Figure 6.2.1.2: showing program details when clicking on a calendar date with programs.

## 6.2.2 PROGRAM DETAILS PAGE

Users can view detailed information about each program by clicking on the program name or "Details" button.

### Information Displayed:

- Program name
- Date and time
- Venue/Location
- Program description
- Status (Upcoming/Complete)
- Join button (if available)

The screenshot shows a web-based program details page. At the top, there's a header with the title '← MAJLIS TILAWAH ALQURAN PERINGKAT KEBANGSAAN'. Below the header, there are two main sections: 'Upcoming Program' and 'Want to Join?'. The 'Upcoming Program' section displays the date (28 February 2026, Saturday) and venue (Dewan Serbaguna Kolej Jasmine). It also includes a 'Description' section which states: 'Organized by Persatuan Mahasiswa Hadhari and Unit Hal Ehwal Islam UiTM, this program offers Puncak Perdana students free access to spiritual and morale-boosting sessions. Participants earn e-merit while enhancing their holistic well-being. It's a premier platform designed to foster a balanced, resilient, and spiritually grounded campus community.' The 'Want to Join?' section has a yellow 'Register Now' button. At the bottom right, there's a 'Quick Info' box showing status as 'Upcoming', created on 01 Feb 2026, and last updated on 01 Feb 2026. A 'Back to All Programs' link is located at the very bottom left.

Figure 6.2.2: Program Details page.

### 6.2.3 PROGRAMS MANAGEMENT (ADMIN ONLY)

Administrators have full CRUD (Create, Read, Update, Delete) access to manage programs.

#### Admin Capabilities:

- Create: Add new programs with name, date, venue, description, status, and Google Form URL
- Read: View all programs in list format with complete details
- Update: Edit any program information
- Delete: Remove programs with confirmation prompt

#### Add New Program Form Fields:

- Program Name (required)
- Date (required)
- Venue (required)
- Description (optional)
- Status (Upcoming/Complete)
- Google Form URL (optional - for registration)

← Create New Program  
Add a new program or event to the PMH calendar

Program Name \*  
e.g., Majlis Tilawah Al-Quran PMH 2025

Date \*      Venue \*  
mm/dd/yyyy      e.g., Dewan Kolej Jasmine

Description  
Brief description about the program...

Google Form URL (Registration Link)  
https://forms.google.com/...

Status  
Upcoming

+ Create Program      Cancel

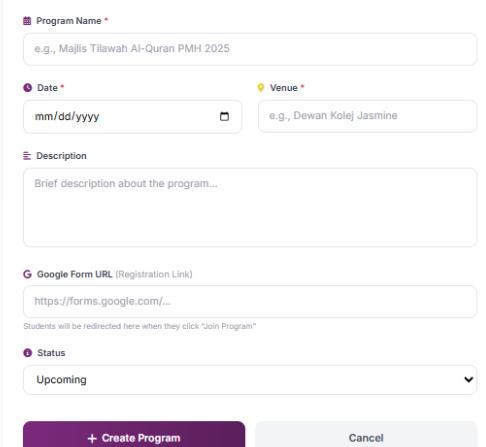


Figure 6.2.3.1: Add New Program form.

Program Name \*  
Word of Wisdom

Date \*      Venue \*  
12/26/2025      Surau Puncak Perdana

Description  
Organized by Persatuan Mahasiswa Hadhari and Unit Hal Ehwal Islam UITM, this program offers Puncak Perdana students free access to spiritual and morale-boosting sessions. Participants earn e-merit while enhancing their holistic well-being. It's a premier platform designed to foster a balanced, resilient, and spiritually grounded campus community.

Google Form URL  
https://forms.gle/jzfYaKfX5xmVprNK8

Status  
Upcoming

Save Changes      Cancel

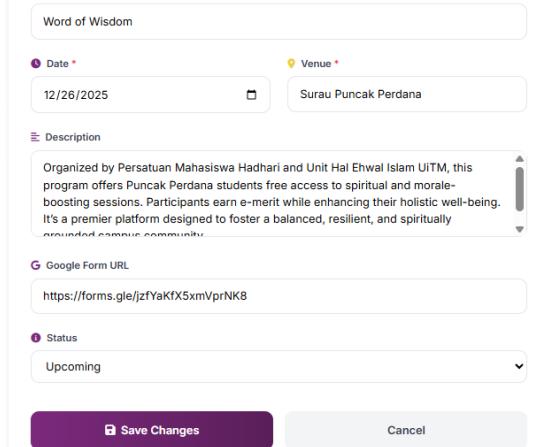


Figure 6.2.3.2: Edit Program form.

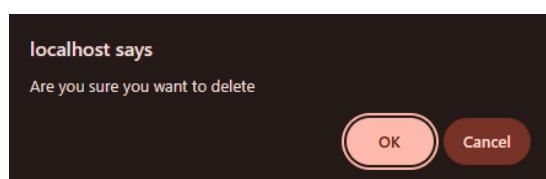


Figure 6.2.3.3: Delete confirmation dialog for a program.

## 6.3 MEMBERSHIP APPLICATIONS MODULE

### 6.3.1 JOIN US PAGE (STUDENT VIEW)

Students interested in joining PMH can submit their membership application through the "Join Us" page.

#### Page Sections:

- Benefits Information Card:
- Access to exclusive leadership development programs
- Networking opportunities with industry professionals
- Priority registration for PMH events
- Certificate of participation for portfolio

#### Important Notes:

- Only Semester 1-4 students are eligible
- Open to all UiTM Puncak Perdana students
- Accepted members undergo one-semester trial as Adhoc
- My Applications Section:
- View all submitted applications
- Track application status (Pending/Accepted/Rejected)
- View, Edit, or Withdraw pending applications
- Download PDF letter for processed applications

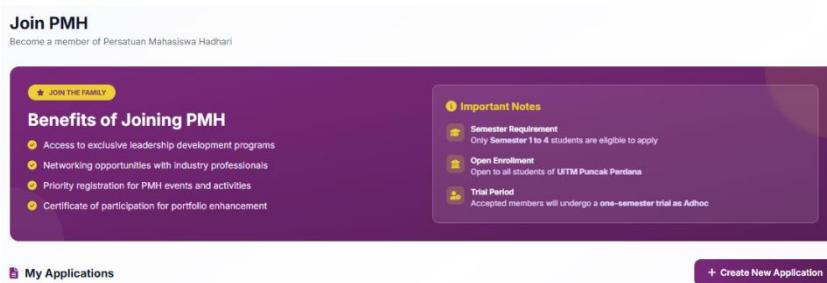


Figure 6.3.1.1: Join Us page showing the benefits card and important notes.

NAME	MATRIC NO	GENDER	CGPA	SEMESTER	STATUS	ACTIONS
Wafiq Jamaludin	2025444555	Male	3.80	4	Pending	

Figure 6.3.1.2: My Applications table

### 6.3.2 APPLICATION SUBMISSION FORM

When students click "Create New Application," they are directed to the application form.

#### Application Form Fields:

- Gender (Male/Female)
- Current Semester (1-4)
- CGPA (0.00-4.00)
- Interview Slot Selection (from available slots)
- Additional information as required

#### Key Features:

- Pre-filled user information from profile
- Dropdown for available interview slots
- Validation for CGPA range
- Semester restriction (1-4 only)

The screenshot displays the 'New Application' form. On the left, there's a section for 'YOUR INFORMATION (AUTO-CAPTURED FROM PROFILE)' with fields for Full Name (Wafiq Jamaludin), Matric Number (2025444555), Email (student04@gmail.com), and Phone Number (0178436055). Below this is a note to update information via 'My Profile'. On the right, there's an 'Achievements' section with a text input field containing: 'Furthermore, I secured over \$5,000 in external sponsorship within a single semester through targeted outreach and professional pitching. My efforts in membership engagement were also recognized when I led a recruitment drive that expanded the association's active base by 25% in a six-month period.' There's also a 'Relative Experience (Optional)' section with a text input field about administrative roles. At the bottom, there's a 'Select Interview Session' dropdown set to 'Tuesday, 10 March 2026 (9pm-10pm)'. On the far right, there are 'Submit Application' and 'Cancel' buttons. A large yellow warning bubble at the bottom center says '⚠️ Confirm Submission' and contains a declaration: 'Declaration: All the information I have provided in this application is **100% true and accurate**. I understand that if PMH discovers any manipulation or false information, my application will be **immediately rejected**.'. It has '✓ I Confirm' and 'Cancel' buttons.

Figure 6.3.2: Application Submission form.

### **6.3.3 APPLICATIONS MANAGEMENT (ADMIN ONLY)**

Administrators can manage all membership applications through the Applications Management page.

#### **Dashboard Statistics Cards:**

- Total Applications count
- Pending Review count
- Total Accepted count
- Total Rejected count

#### **Search & Filter Options:**

- Search by Name (case-insensitive)
- Search by Matric Number (exact match)
- Filter by Gender (Male/Female/All)
- Sort by Latest First / CGPA (Highest) / Semester (1-4)

#### **Interview Slots Management:**

- Add new interview slots (Date + Time)
- View existing slots with booking status
- Delete unbooked slots
- Time slots: 8PM-9PM or 9PM-10PM
- Days: Monday, Tuesday, Wednesday only

#### **Applications Table Columns:**

- Name
- Matric No
- Gender
- CGPA
- Semester
- Status
- Actions (View/Accept/Reject/PDF)

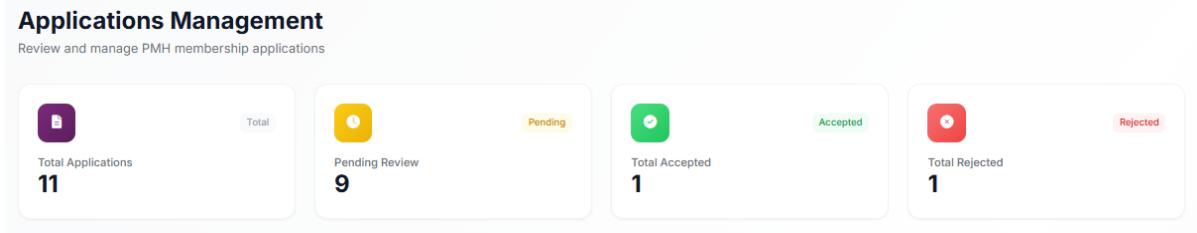


Figure 6.3.3.1: Applications Management page showing the statistics cards.

The screenshot shows a search and filter interface with the following fields:

- Search by Name: Enter name (case-insensitive)
- Search by Matric No (Exact): Enter exact matric number
- Filter by Gender: All Genders
- Sort By: Latest First
- Buttons: Apply Filters (purple), Reset

Figure 6.3.3.2: Search & Filter section.

The screenshot shows an interview slot management interface with the following details:

- Date (Mon-Wed only): mm/dd/yyyy
- Time Slot: 8:00 PM - 9:00 PM
- Add Slot button (+ Add Slot)
- Available Slots:
  - Mon, 09 Mar 8pm-9pm Booked
  - Mon, 09 Mar 9pm-10pm Booked
  - Tue, 10 Mar Booked

Figure 6.3.3.3: Interview Slots Management section.

The screenshot shows a table titled 'All Applications' with the following columns:

NAME	MATRIC NO	GENDER	CGPA	SEMESTER	STATUS	ACTIONS
Wafiq Jamaludin	2025444555	Male	3.80	4	Pending	<span>View</span> <span>Accept</span> <span>Reject</span>
Muhammad Zahid Hanafi	2025127713	Male	4.00	4	Accepted	<span>View</span> <span>Reject</span>
Rosmah Norhaliza	2025000111	Female	3.10	2	Rejected	<span>View</span> <span>Accept</span>
Nur Bainun	2025999000	Female	3.20	1	Pending	<span>View</span> <span>Accept</span> <span>Reject</span>
Jokowi Trump	2025888999	Male	3.30	4	Pending	<span>View</span> <span>Accept</span> <span>Reject</span>

Figure 6.3.3.4: Applications table with sample data.

#### **6.3.4 ACCEPT/REJECT APPLICATION (ADMIN ONLY)**

Administrators can process applications by accepting or rejecting them.

##### **Accept Application:**

1. Click the green checkmark (✓) button
2. Confirm the action in the popup dialog
3. Application status changes to "Accepted"
4. System generates acceptance letter (PDF)

##### **Reject Application:**

1. Click the red X button
2. Select rejection reason from dropdown:
  - CGPA below minimum requirement
  - Failed interview assessment
  - Incomplete documentation
  - Position already filled
  - Other academic conflicts
3. Click "Confirm Reject"
4. System generates rejection letter (PDF)

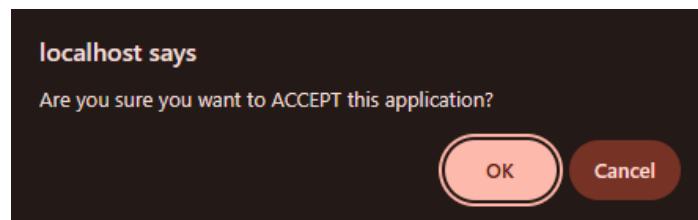


Figure 6.3.4.1: Accept confirmation dialog.

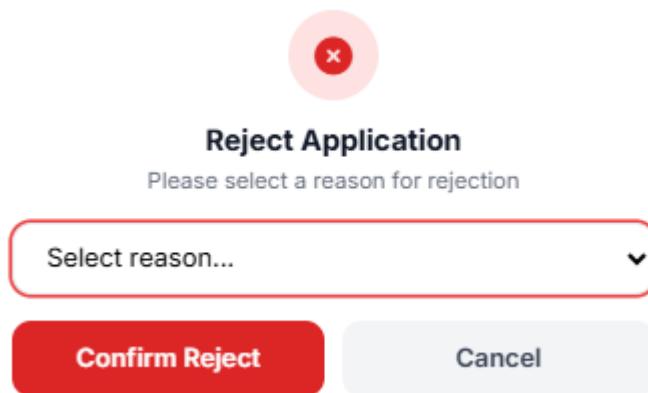


Figure 6.3.4.2: Reject modal with reason selection.

### 6.3.5 PDF LETTERS (ACCEPTANCE/REJECTION)

The system automatically generates official PDF letters when applications are processed.

#### Letter Contents:

- Official PMH letterhead
- Student's name and details
- Application reference number
- Decision (Accepted/Rejected)
- Rejection reason (if applicable)
- Next steps and instructions
- Authorized signatures area

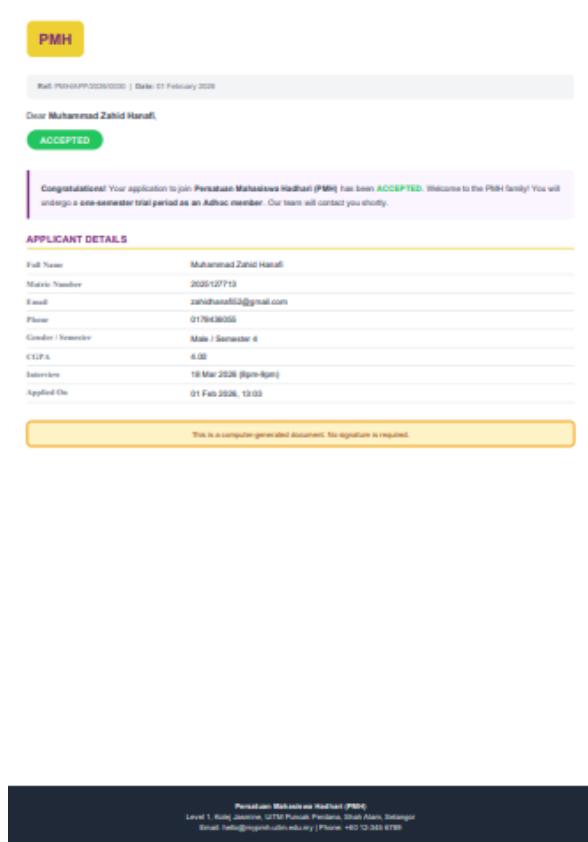


Figure 6.3.5.1: Acceptance Letter PDF.

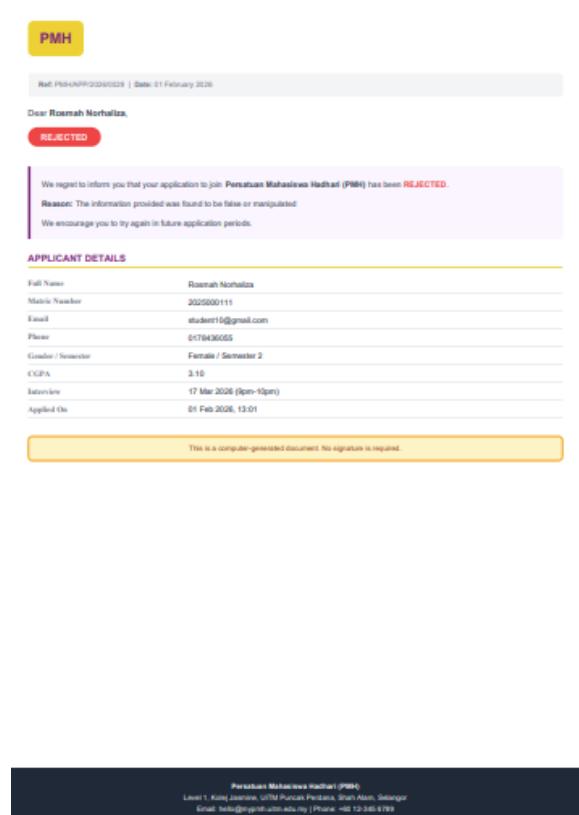


Figure 6.3.5.2: Rejection Letter PDF.

## **6.4 MERCHANTISE STORE MODULE**

### **6.4.1 MERCHANTISE LISTING PAGE**

The Merchandise Store displays all official PMH products organized by category.

#### **Product Categories:**

- New Arrival
- T-Shirt Ivory Edition
- T-Shirt Raven Edition
- Tote Bags
- Badges Ivory Edition
- Badges Raven Edition

#### **Key Features:**

- Category filter dropdown
- Reset filter button
- Grid layout of product cards (5 columns on desktop)
- Product image with hover zoom effect
- Product name and price display
- "Quick Order" button on hover
- Cart icon button for quick ordering
- "Unavailable" badge for closed products

#### **Each Product Card Shows:**

- Product image
- Product name
- Price in RM (Ringgit Malaysia)
- Add to cart button

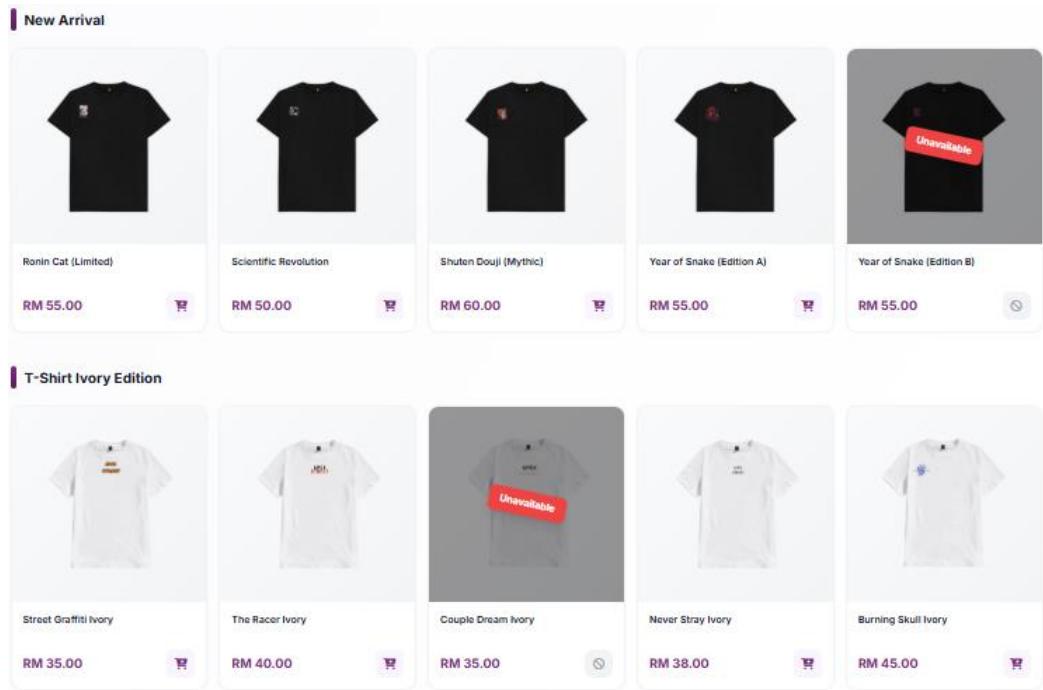


Figure 6.4.1.1: Merchandise Store page showing multiple product categories.

**Merchandise Store**

Shop official PMH merchandise and place your pre-orders

[View My Orders](#)

**Filter by Category**

- ▼ Badges Ivory Edition
  - Show All Categories
  - New Arrival
  - T-Shirt Ivory Edition
  - T-Shirt Raven Edition
  - Tote Bags
  - Badges Ivory Edition**
  - Badges Raven Edition

[Reset](#)

Happiness Love Badge	Not Lazy Badge	Chase Your Dream Badge	Limited Edition Badge	Enjoy Summer Badge
RM 5.00	RM 5.00	RM 5.00	RM 5.00	RM 5.00

**My Purchase History**

PRODUCT	SIZE	QTY	TOTAL	STATUS	ACTIONS
Ronin Cat (Limited)	M	9	RM 495.00	Pending	

Figure 6.4.1.2: category filter dropdown.

#### 6.4.2 ORDER MODAL (PRE-ORDER)

When students click to order a product, a modal popup appears for order configuration.

- **Order Modal Fields:**
- Product Name (displayed, not editable)
- Pickup Location (Self-Pickup at Kolej Jasmine)
- Size (XS, S, M, L, XL, 2XL, N/A)
- Quantity (minimum 1)
- Total Amount (calculated automatically)

#### Features:

- Real-time total calculation as quantity changes
- Clean modal design with gradient header
- Close button (X) to cancel
- "Confirm Pre-Order" button to submit.

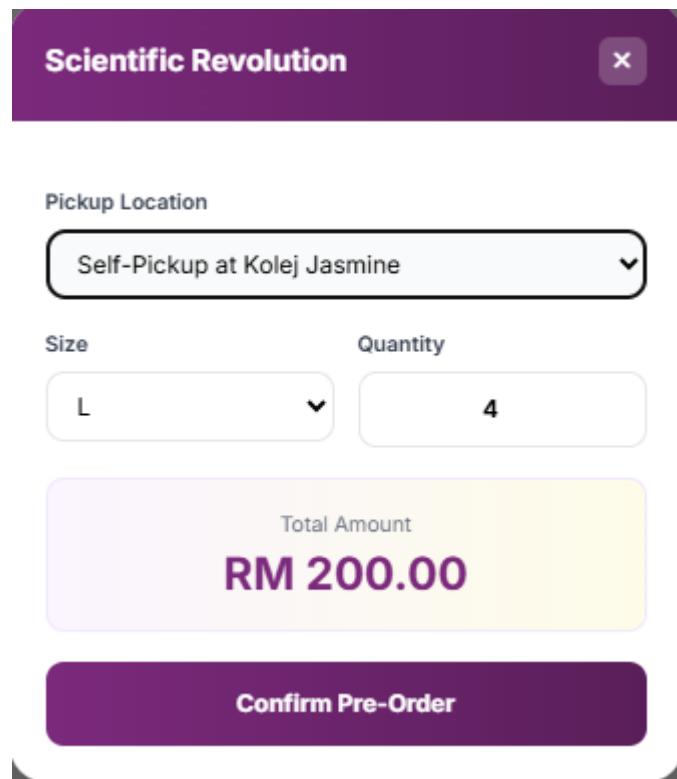


Figure 6.4.2: Order Modal popup with all fields visible.

### 6.4.3 PURCHASE HISTORY (STUDENT)

Students can view their order history in the "My Purchase History" section below the product listing.

#### Order History Table Columns:

- Product Name
- Size
- Quantity
- Total Price
- Status (Pending/Complete)
- Actions (Receipt PDF, Cancel Order)

#### Features:

- Download receipt as PDF
- Cancel pending orders with confirmation

My Purchase History					
PRODUCT	SIZE	QTY	TOTAL	STATUS	ACTIONS
Scientific Revolution	L	4	RM 200.00	Pending	 
Ronin Cat (Limited)	M	9	RM 495.00	Pending	 

Figure 6.4.3: My Purchase History section with order entries.

#### 6.4.4 PRODUCT STATUS MANAGEMENT (ADMIN ONLY)

Administrators can enable or disable products for ordering.

##### How to Use:

1. Click the pencil icon on any product card
2. Select status: Open (Available) or Closed (Unavailable)
3. Confirm the change
4. Products marked as "Closed" will show "Unavailable" overlay

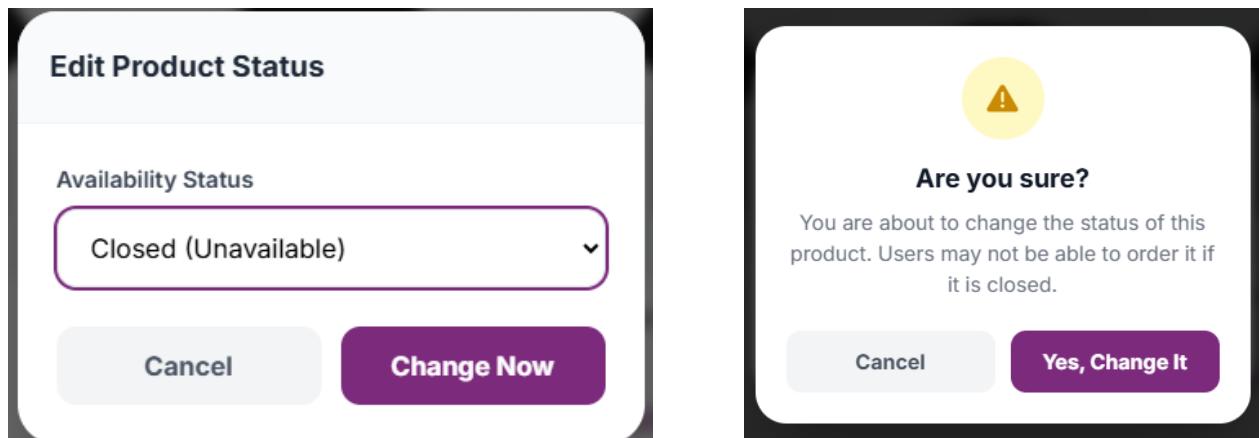


Figure 6.4.4.1: Edit Status modal for products.



Figure 6.4.4.2: product with "Unavailable" badge.

## 6.5 ORDERS MANAGEMENT MODULE (ADMIN ONLY)

### 6.5.1 TOTAL ORDERS PAGE

Administrators can view and manage all merchandise orders through the Total Orders page.

#### Orders Table Columns:

- Order ID
- Student Name
- Product Name
- Size
- Quantity
- Total Price
- Status
- Actions

#### Features:

- View all orders from all students
- Update order status (Pending → Complete)
- View individual order details

Order Management				
View and manage all merchandise orders				
Total Orders	Pending	Completed		
ORDER	PRODUCT	CUSTOMER	STATUS	UPDATE
#PMH-37 01 Feb 2026	Scientific Revolution Size: L   Qty: 4	Muhammad Zahid Hanafi Self-Pickup at Kolej Jasmine	Complete	Complete <input type="button" value="Edit"/>
#PMH-36 01 Feb 2026	Shuten Douji (Mythic) Size: M   Qty: 10	Hadi Sanusi Self-Pickup at Kolej Jasmine	Waiting for pickup	Waiting for Pickup <input type="button" value="Edit"/>
#PMH-35 01 Feb 2026	Just Be Cool Badge Size: N/A   Qty: 1	Siti Ramlah Self-Pickup at Kolej Jasmine	Pending	Pending <input type="button" value="Edit"/>

Figure 6.5.1: Total Orders page showing the orders table.

## 6.5.2 PDF RECEIPT GENERATION

The system generates PDF receipts for merchandise orders.

### Receipt Contents:

- Order reference number
- Student details
- Product details
- Quantity and pricing
- Pickup location
- Order date
- Payment status

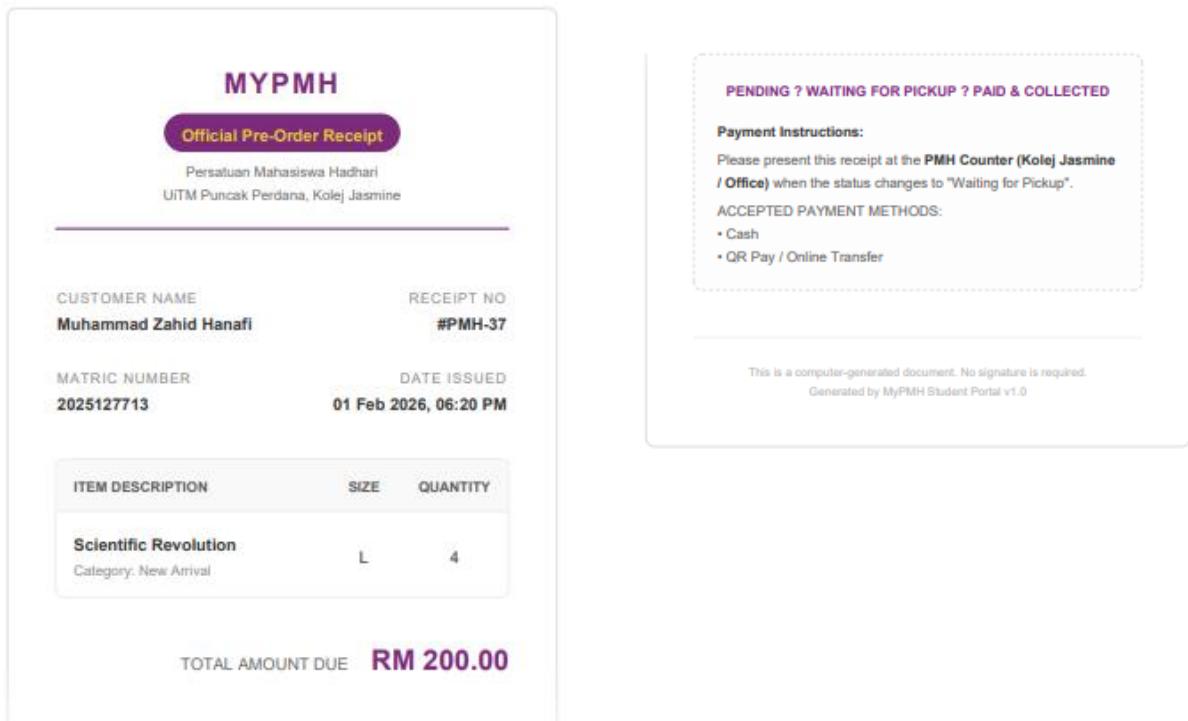


Figure 6.5.2: Generated PDF Receipt.

## **6.6 DASHBOARD MODULE**

The Dashboard provides a comprehensive, high-level overview of the MyPMH ecosystem. It is designed to give users immediate access to key metrics, upcoming events, and quick navigation tools through a modern and visually engaging interface.

### **Key Dashboard Components:**

#### **1. Information Header:**

- Welcome message providing a personalized user experience.
- Primary action buttons for direct access to the Programs and Merchandise modules.

#### **2. Advanced Statistics Cards:**

- Total Programs: High-level count of all activities organized by PMH.
- Upcoming Events: Real-time counter of active and future programs.
- Total Orders: Tracks the number of merchandise pre-orders placed.
- My Account Card: High-visibility shortcut to the user's profile and settings.

#### **3. Featured Upcoming Event Banner:**

- A prominent, gradient-styled section that highlights the single most important upcoming program.
- Displays specific event details including the Program Name, Date, and Venue.
- Features a "View All Programs" call-to-action button.

#### **4. Data Visualizations (ApexCharts):**

- Monthly Programs Chart: A purple-themed bar chart showing the distribution of programs throughout the year.
- Orders by Category Chart: A multi-colored donut chart illustrating the popularity of different merchandise categories.

#### **5. Quick Action Grid:**

- Large, interactive tiles providing one-click access to:
  - Merchandise Store (Shop products)
  - Programs Calendar (View events)
  - My Profile (Edit details)
  - About PMH (Organizational information)

## How to Use:

- Users land here immediately after login to see "what's happening" at a glance.
- The charts provide a visual understanding of organizational growth and product trends.
- The featured banner ensures that no student misses out on the next major PMH activity.

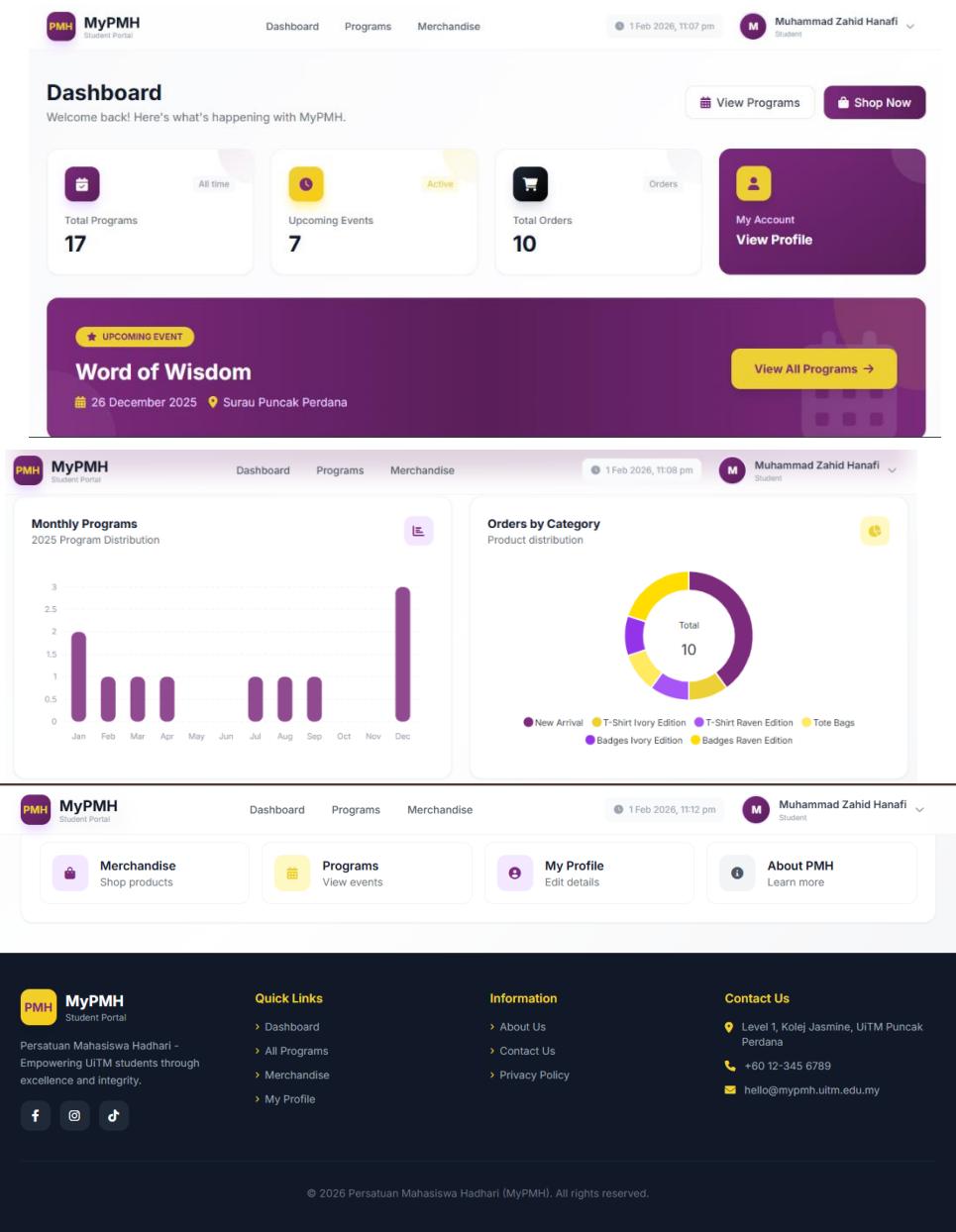


Figure 6.6: Dashboard showing the statistics cards, charts, and quick actions.

## 6.7 INFORMATION PAGES

### 6.7.1 ABOUT US PAGE

Static information page about Persatuan Mahasiswa Hadhari including:

- Organization history
- Mission and vision
- Organizational structure
- Contact information

**About Us**  
Learn more about Persatuan Mahasiswa Hadhari

★ SINCE 2020

**Persatuan Mahasiswa Hadhari**

Nurturing Excellence, Heritage, and Integrity among UiTM Students at Puncak Perdana Campus.

**Our Story**

Persatuan Mahasiswa Hadhari (PMH) was established at UiTM Puncak Perdana to bridge the gap between academic excellence and spiritual heritage. We focus on organizing programs that empower students with leadership skills while maintaining the core values of Hadhari philosophy - promoting knowledge, wisdom, and integrity.

[Download Profile](#)  
[PMH Official Profile 2025.pdf](#)

**What Students Say**

"Joining PMH was the best decision of my university life. The community is supportive and the programs are very impactful!"  
A Ahmad Zaki  
Semester 4

"I love the merchandise! The quality is amazing and it feels great to represent the association."  
S Siti Sarah  
Semester 2

**Ready to Join Our Family?**  
Be part of the change and develop your potential with us.  
[Join PMH Now](#)

Figure 6.7.1: About Us page.

## 6.7.2 CONTACT US PAGE

Contact information and possibly a contact form including:

- Physical address
- Phone number
- Email address
- Social media links
- Office hours

### Contact Us

Get in touch with Persatuan Mahasiswa Hadhari

#### Get In Touch

**Location**  
Level 1, Kolej Jasmine, UITM Puncak Perdana, 40150 Shah Alam

**Office Hours**  
Mon - Fri: 9:00 AM - 5:00 PM

**Email**  
[hello@mymph.uitm.edu.my](mailto:hello@mymph.uitm.edu.my)

**Phone**  
+60 12-345 6789

#### Follow Us

[f](#) [i](#) [d](#)

<https://instagram.com/pmhpp?igsh=eDY0cH82dDV2cnp3>

#### Our Location

Taman Alam Rudiman  
3°07'55.7"N 101°29'38.7"E  
4E/V/V4 Shah Alam, Selangor

[View larger map](#) [Directions](#)



Figure 6.7.2: Contact Us page.

## 7.0 WORKFLOW OF FORM (ILLUSTRATION OF THE CRUD CYCLE)

This section illustrates the CRUD (Create, Read, Update, Delete) workflow using the Membership Applications module as the primary example.

### 7.1 CRUD WORKFLOW DIAGRAM

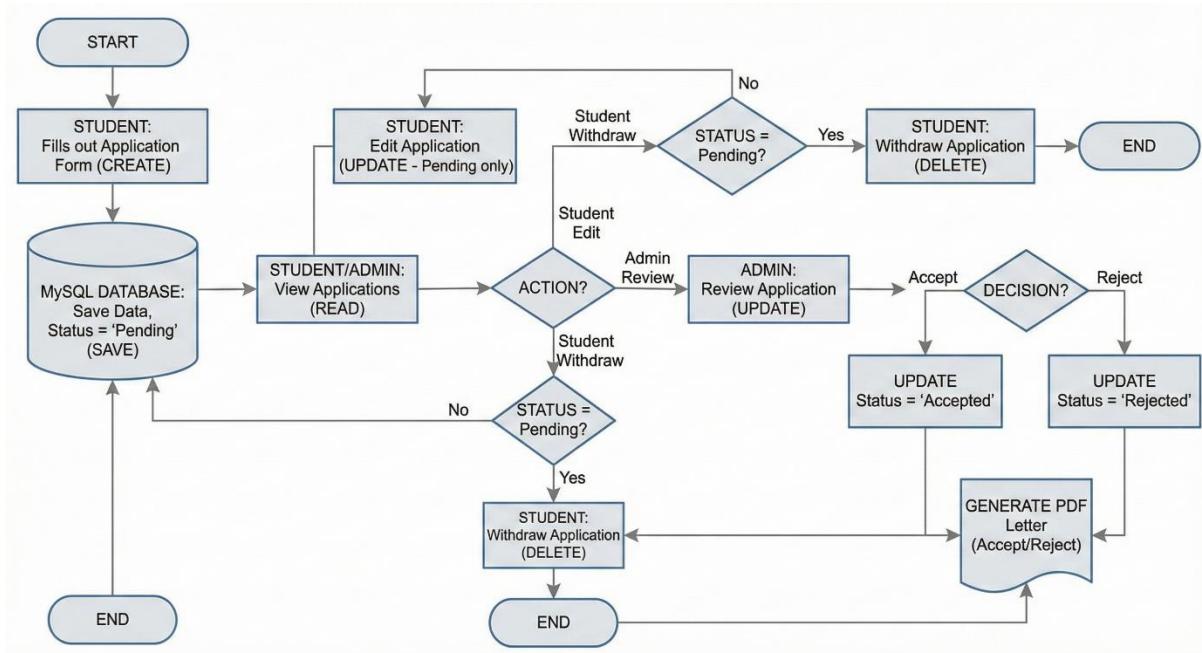


Figure 7.1: Workflow Diagram of membership application module

## **7.2 DETAILED CRUD PROCESS DESCRIPTION**

### **CREATE - Application Submission**

**Step:** STUDENT: Fills out Application Form (CREATE)

- Action: Student navigates to the application page and completes the required form fields.
- System: Data is transmitted to the server.

### **SAVE - Database Storage**

**Step:** MySQL DATABASE: Save Data, Status = 'Pending' (SAVE)

- Action: System saves the new record into the applications table.
- Default: The status column is automatically set to 'pending'.

### **READ - Viewing Data**

**Step:** STUDENT/ADMIN: View Applications (READ)

- Action: Both students and admins can view the application data.
- Logic: This serves as the central hub where users decide their next action.

### **UPDATE (Student) - Editing**

**Step:** STUDENT: Edit Application

- Condition: Only possible if the application status is still 'Pending'.
- Action: Student updates details, and changes are saved back to the database.

### **DELETE (Student) - Withdrawing**

**Step:** STUDENT: Withdraw Application (DELETE)

- Decision: STATUS = Pending?
- Logic: If Yes, the student acts to "Withdraw" the application.
- Result: The record is removed or marked as deleted, and the process ends.
- Fail Case: If status is NOT pending (i.e., already accepted/rejected), withdrawal is not allowed.

## **UPDATE (Admin) - Review Process**

### **Step: ADMIN: Review Application (UPDATE)**

- Trigger: Admin selects "Admin Review" path from the View stage.
- Decision: DECISION? (Accept or Reject).
- Path A (Accept): System updates status to 'accepted'.
- Path B (Reject): System updates status to 'rejected'.

## **GENERATE - Documentation**

### **Step: GENERATE PDF Letter**

- Trigger: Automatically occurs after the status update (Accept or Reject).
- Output: A PDF file is created for the student to download.
- End: The administrative process concludes here.

### **7.3 CRUD OPERATIONS FOR OTHER MODULES**

#### **Programs Module (Admin CRUD)**

<b>Operation</b>	<b>Action</b>	<b>Result</b>
CREATE	Admin fills program form	New program added to database
READ	All users view program list	Program details displayed
UPDATE	Admin edits program	Program information updated
DELETE	Admin deletes program	Program removed after confirmation

#### **Orders Module (Student CRUD)**

<b>Operation</b>	<b>Action</b>	<b>Result</b>
CREATE	Student submits pre-order	Order saved with 'pending' status
READ	Student views purchase history	Order list displayed
UPDATE	N/A (Orders cannot be modified)	-
DELETE	Student cancels order	Order removed from system

## 8.0 TEAM ROLES & CONTRIBUTIONS

No.	Name	Matric No.	Role	Contribution
1	MUHAMMAD ZAHID HANAFI BIN MOHAMAD AZIAN	2025127713	Project Leader	Project coordination, system architecture design, User Authentication module (Login, Register, Forgot Password), Database schema design, Quality assurance and testing
2	NUR 'AAINI NABILAH BINTI MOHAMAD NASIR	2025119807	Frontend Developer	UI/UX design, Responsive layout implementation, Template design using Tailwind CSS, Header and navigation components, Footer design, Flash messages and alerts styling
3	NURUL AIMI UMAIROH BINTI ZULKARIA	2025162077	Backend Developer	Programs Module development (CRUD operations), Calendar implementation with Flatpickr, Applications Module (Student side), PDF letter generation for applications
4	NUR AISYAH BINTI ROSLI	2025180601	Backend Developer	Merchandise/Products Module development, Orders Module development, Admin applications management, PDF receipt generation, Role-based access control
5	MUHAMMAD NOOR AZHARI BIN SHARIL	2025305961	Documentation & Testing	Report writing and documentation, User manual creation, System testing and bug reporting, Screenshots and visual assets, Contact and About pages content

## **9.0 CONTACT INFORMATION (SUPPORT)**

### **9.1 ORGANIZATION CONTACT**

Persatuan Mahasiswa Hadhari (PMH)

UiTM Kampus Puncak Perdana

Contact Type	Details
Address	Level 1, Kolej Jasmine, UiTM Puncak Perdana, 40150 Shah Alam, Selangor
Phone	+60 12-345 6789
Email	hello@mymph.uitm.edu.my
Operating Hours	Monday - Friday, 9:00 AM - 5:00 PM

### **9.2 SOCIAL MEDIA**

Platform	Link/Handle
Facebook	facebook.com/pmh.perdana
Instagram	@pmhpp
TikTok	@pmhppuitm

### **9.3 TECHNICAL SUPPORT**

For technical issues related to the MyPMH system, please contact:

Support Type	Contact
System Administrator	2025127713@student.uitm.edu.my
Technical Lead	2025119807@student.uitm.edu.my
Bug Reports	2025162077@student.uitm.edu.my 2025180601@student.uitm.edu.my

### **9.4 ACADEMIC CONTACT**

Course Lecturer:

- Name: Dr. Muhammad Asyraf bin Wahi Anuar
- Email: muham6853@uitm.edu.my

## **10.0 CONCLUSION & REFLECTION**

### **10.1 PROJECT SUMMARY**

The MyPMH system has been successfully developed to meet the operational needs of Persatuan Mahasiswa Hadhari at UiTM Puncak Perdana. The system provides a centralized digital platform that streamlines three main organizational functions:

1. Membership Management - Students can easily apply for PMH membership online, select interview slots, and track their application status. Administrators can efficiently review, accept, or reject applications while the system automatically generates official PDF letters.
2. Program Management - All PMH programs and events are displayed in an interactive calendar format, making it easy for students to stay informed about upcoming activities. The integration with Google Forms allows seamless event registration.
3. Merchandise Pre-ordering - Students can browse and pre-order official PMH merchandise through the online store. The order management system helps administrators track and fulfill orders efficiently.

The implementation of role-based access control ensures that students and administrators see only the features relevant to their roles, maintaining security and simplicity. The responsive design ensures accessibility across desktop computers, tablets, and mobile phones.

### **10.2 TECHNICAL ACHIEVEMENTS**

Throughout this project, our team successfully implemented:

- MVC Architecture using CakePHP 4.5 framework for clean code organization
- Authentication System with secure password hashing and session management
- Role-Based Access Control differentiating student and admin capabilities
- PDF Generation using DomPDF library for letters and receipts
- Interactive Calendar using Flatpickr for program scheduling
- Responsive Design using Tailwind CSS for mobile compatibility
- CRUD Operations for all major data entities
- Database Relationships with proper foreign key constraints

### 10.3 CHALLENGES FACED AND SOLUTIONS

Challenge	Solution
Role-based visibility - Showing different menus for different users	Implemented check for user role in templates using \$identity->get('role')
PDF Generation - Creating formatted letters	Used DomPDF library with custom HTML templates
Calendar Integration - Highlighting dates with programs	Used Flatpickr's onDayCreate callback with JavaScript
Form Validation - Ensuring data integrity	Implemented CakePHP's validation rules in Table classes
Interview Slot Management - Preventing double booking	Added is_booked flag and validation in controller

### 10.4 FUTURE IMPROVEMENTS

To further enhance the MyPMH system, we recommend the following improvements for future development:

1. **Email Notifications** - Send automatic emails when application status changes
2. **Payment Integration** - Add online payment for merchandise orders
3. **Event Attendance Tracking** - QR code check-in for programs
4. **Mobile Application** - Native Android/iOS app for better mobile experience
5. **Analytics Dashboard** - Detailed statistics and reporting for administrators
6. **Document Upload** - Allow students to upload supporting documents with applications
7. **Multi-language Support** - Add Bahasa Malaysia language option
8. **E-Merit Integration** - Connect with UiTM's e-Merit system

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