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UNIVERSITI  
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**FACULTY OF INFORMATION MANAGEMENT  
UNIVERSITI TEKNOLOGI MARA (UiTM)  
SELANGOR BRANCH  
PUNCAK PERDANA CAMPUS**

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**GROUPING ASSIGNMENT:  
MISA CINEMA BOOKING SYSTEM**

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**FACULTY OF INFORMATION SCIENCE  
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## TABLE OF CONTENTS

<b>ACKNOWLEDGEMENT .....</b>	i
<b>1.0 INTRODUCTION.....</b>	1
<b>2.0 GITHUB REPOSITORY LINK .....</b>	1
<b>3.0 ENTITY-RELATIONSHIP DIAGRAM (ERD) .....</b>	2
<b>4.0 SYSTEM REQUIREMENTS .....</b>	3
<b>4.1 SOFTWARE .....</b>	3
<b>4.2 VERSION COMPATIBILITY .....</b>	3
<b>4.3 DEPENDENCIES .....</b>	4
<b>5.0 USER INTERFACE OVERVIEW .....</b>	5
<b>5.1 DESIGN THEME &amp; VISUAL IDENTITY.....</b>	5
<b>5.2 LAYOUT STRUCTURE .....</b>	9
<b>5.2.1 NAVIGATION BAR (HEADER).....</b>	9
<b>5.2.2 MAIN CONTENT AREA .....</b>	10
<b>5.2.3 FOOTER.....</b>	13
<b>5.3 NAVIGATION SYSTEM .....</b>	15
<b>5.3.1 CUSTOMER NAVIGATION .....</b>	15
<b>5.3.2 ADMIN NAVIGATION .....</b>	16
<b>5.3.3 GUEST NAVIGATION .....</b>	16
<b>5.4 RESPONSIVE DESIGN.....</b>	17
<b>5.4.1 DESKTOP VIEW (&gt;1200) .....</b>	17
<b>5.4.2 TABLET VIEW 768PX – 1199PX).....</b>	25
<b>5.4.3 MOBILE VIEW (&lt;768) .....</b>	34
<b>5.5 VISUAL FEEDBACK &amp; MICRO-INTERACTIONS.....</b>	43
<b>5.5.1 BUTTON STATES .....</b>	43
<b>5.5.2 LOADING STATES.....</b>	43
<b>5.5.3 SUCCESS/ERROR MESSAGES .....</b>	43
<b>5.5.4 SEAT SELECTION FEEDBACK .....</b>	44
<b>6.0 FEATURES &amp; FUNCTIONALITIES (with screenshots).....</b>	45
<b>6.1 CORE SYSTEM OVERVIEW .....</b>	45
<b>6.2 USER ROLES &amp; ACCESS CONTROL.....</b>	45
<b>6.3 ADMINISTRATOR.....</b>	54
<b>6.4 BOOKING &amp; TICKETING FEATURES .....</b>	62
<b>6.5 TECHNICAL SPECIFICATIONS .....</b>	66
<b>7.0 WORKFLOW OF FORM .....</b>	67
<b>7.1 CREATE (ADD MOVIE).....</b>	67
<b>7.3 UPDATE (EDIT MOVIE) .....</b>	68

<b>7.4</b>	<b>DELETE (REMOVE MOVIE)</b>	<b>69</b>
<b>7.5</b>	<b>PROCESS WORKFLOWS (DIAGRAM)</b>	<b>69</b>
<b>7.5.1</b>	<b>BOOKING PROCESS WORKFLOWS</b>	<b>69</b>
<b>7.5.2</b>	<b>REGISTRATION &amp; LOGIN WORKFLOW</b>	<b>70</b>
<b>8.0</b>	<b>TEAM ROLES &amp; CONTRIBUTIONS</b>	<b>71</b>
<b>9.0</b>	<b>CONTACT INFORMATION (SUPPORT)</b>	<b>74</b>
<b>10.0</b>	<b>CONCLUSION &amp; REFLECTION</b>	<b>75</b>
<b>REFERENCES</b>		<b>77</b>

## **ACKNOWLEDGEMENT**

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We would also like to extend our deepest thanks to our IMS 566 lecturer, Dr. Muhammad Asyraf bin Wahi Anuar, for his unwavering support throughout the course of this assignment. Dr. Asyraf's patience, enthusiasm, and vast knowledge in the subject have been invaluable. Other than that, his guidance played a significant role during the research and writing process, and we are truly grateful for his mentorship.

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## 1.0 INTRODUCTION

MisaCinema is an online theater reservation system that has been developed to update the old-fashioned ticketing process of movie theaters. The system enables the customers to browse through the movies that are available as well as watch the show times, book tickets interactively and make payments that are secure online. It offers all-in-one solutions to control movies, hall setups, schedules of showtimes, and bookings to the cinema administrators. It is the main aim of this project to provide a smooth and easy to use feel and appearance that matches the functionality of existing cinema platforms such as GSC or TGV, but one that is custom to the needs of the small cinema operators.



Figure 1: View Of Homepage Misa Cinema System for Customers

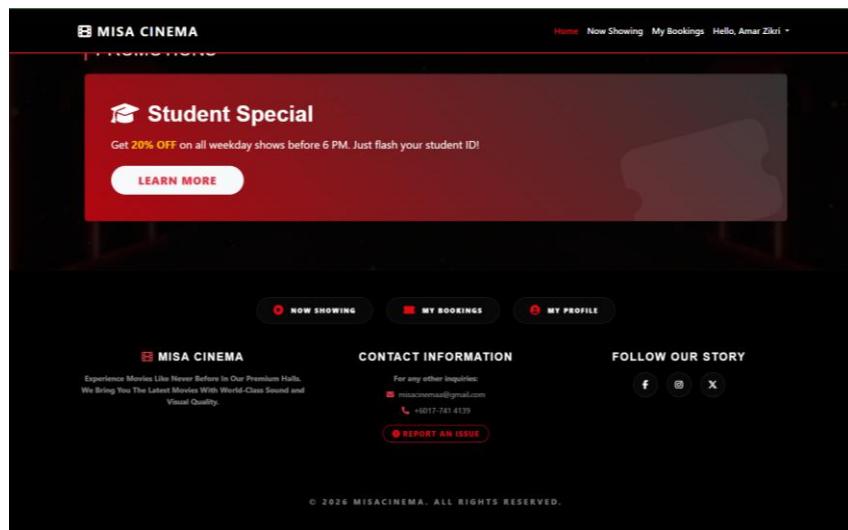
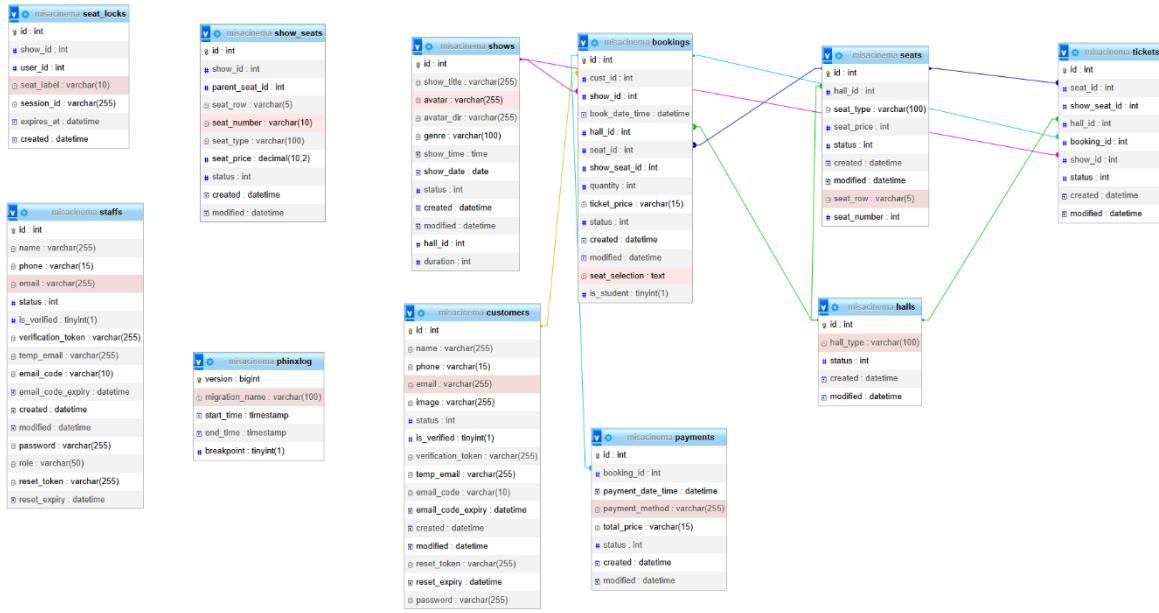


Figure 2: View of Homepage Misa Cinema System for Customers

## 2.0 GITHUB REPOSITORY LINK

### 3.0 ENTITY-RELATIONSHIP DIAGRAM (ERD)



**Figure 3: Entity Relational Diagram (ERD) for Misa Cinema**

The Misa Cinema Booking System is an Entity Relationship Diagram (ERD) that is intended to ensure high integrity of the data as well as facilitate such intricate functions as real-time seat reservation and the schedule. The fundamental table from the database is the Show entity, which forms the central point in scheduling. It links Movies and Halls in the one-to-many relationships, that is, one movie could be shown more than once, and one hall could be screened many times within a given day. This architecture would make the cinema be capable of a dynamic daily schedule without any duplication of data, or conflict.

In the customer side, the system keeps track of the activity via the User table which has a one-to-many relationship with Bookings. This enables the system to have a complete record of transaction history of each registered customer. A Booking is an event of one transaction but to accommodate group purchases (such as a family purchasing four tickets), the Booking is further subdivided into Booking Details. This child table connects the individual Seats with the Show, and the system can monitor the condition of each individual seat within the hall.

Lastly, sales and inventory integrity is implemented by the accuracy of the relationship between the booking, the seats, and the payments. The linkage between Booking Details and Seats allows the system to implement the logic of Seat Locking; simply by checking whether another seat is being used in a booking at a particular show date, the system can visually lock the seat on the seating chart to avoid race conditions. The bookings and payments are bound in a strict one to one relationship that provides financial accuracy whereby a digital ticket and receipt are not created until a verified payment record has been successfully created on that particular transaction.

## 4.0 SYSTEM REQUIREMENTS

### 4.1 SOFTWARE

Software	Purpose
XAMPP/Laragon	Local Server Environment (Apache + MySQL)
PHP 8.1+	Backend Programming Language
MySQL 8.0	Database Management
Composer	PHP Dependency Manager
Node.js	For Frontend Asset Compilation
Web Browser	Chrome, Firefox, or Edge Recommended
Code Editor	VS Code, Sublime Text, or Similar

**Table 1: Software and Description for Misa Cinema System**

### 4.2 VERSION COMPATIBILITY

Component	Minimum Version	Recommended
PHP	8.1	8.2
MySQL	5.7	8.0
CakePHP	4.x	4.5
Bootstrap	5.x	5.3
Composer	2.x	2.6+

**Table 2: Version Compatibility of Misa Cinema System**

## **4.3 DEPENDENCIES**

**Backend (from composer.json):**

- CakePHP 4.x (MVC Framework)
- CakePHP Authentication Plugin
- CakePHP Authorization Plugin

**Frontend (CDN-bases):**

- Bootstrap 5.3 (CSS Framework)
- Font Awesome 6.x (Icons)
- Google Fonts (Inter, Outfit)
- Html2pdf.js (Receipt Download)

## 5.0 USER INTERFACE OVERVIEW

### 5.1 DESIGN THEME & VISUAL IDENTITY

Misa Cinema adopts a premium dark-themed design inspired by modern cinema platforms like GSC and Netflix. The colour palette consists of:

Colours	Description
Primary Background	Deep black (#000000) to create a cinematic atmosphere
Secondary Background	Dark grey (#1a1a1a) for cards and containers
Accent Colour	Vibrant red (#e50914) for call-to-action buttons and highlights
Text Colours	White for primary text, grey tones for secondary information

**Table 3: Colors and Description for Misa Cinema System**

The system uses modern, clean fonts for readability:

- **Headings:** Inter or Outfit (Google Fonts) - Bold weight for impact
- **Body Text:** System default sans-serif for fast loading
- **Monospace:** Used for booking IDs and seat labels for clarity



**Figure 4: View of Homepage (Header & Body) of Misa Cinema System for Customers**

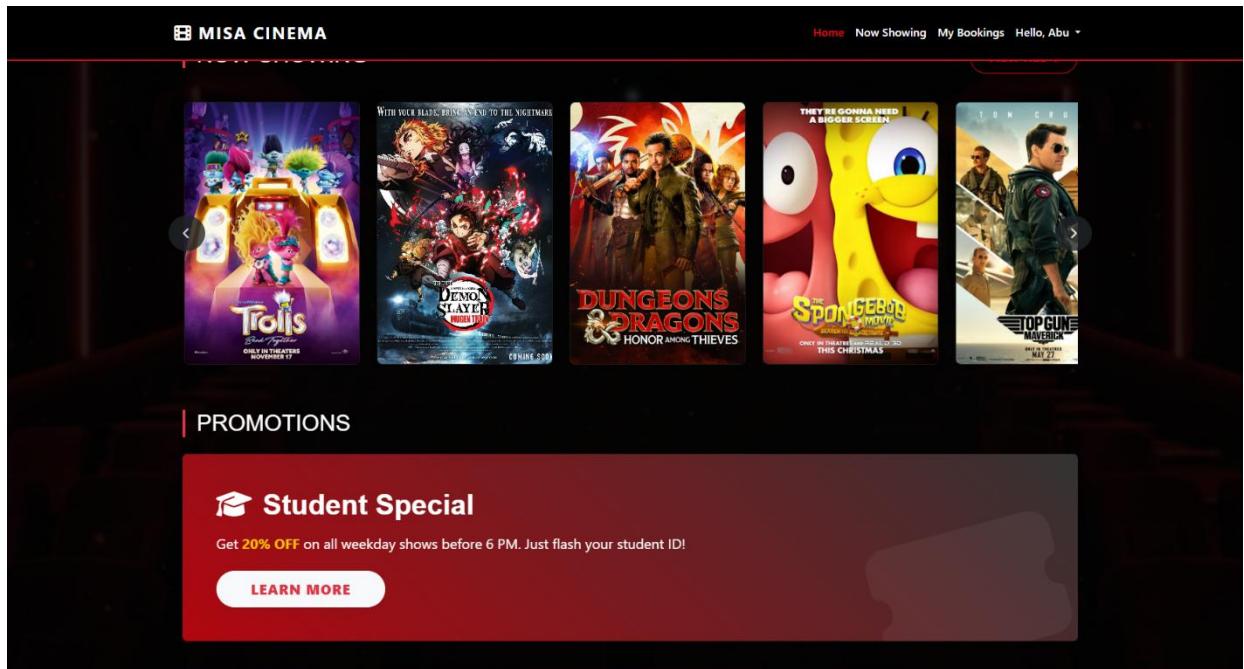


Figure 5: View of Homepage (Body) Misa Cinema System for Customers

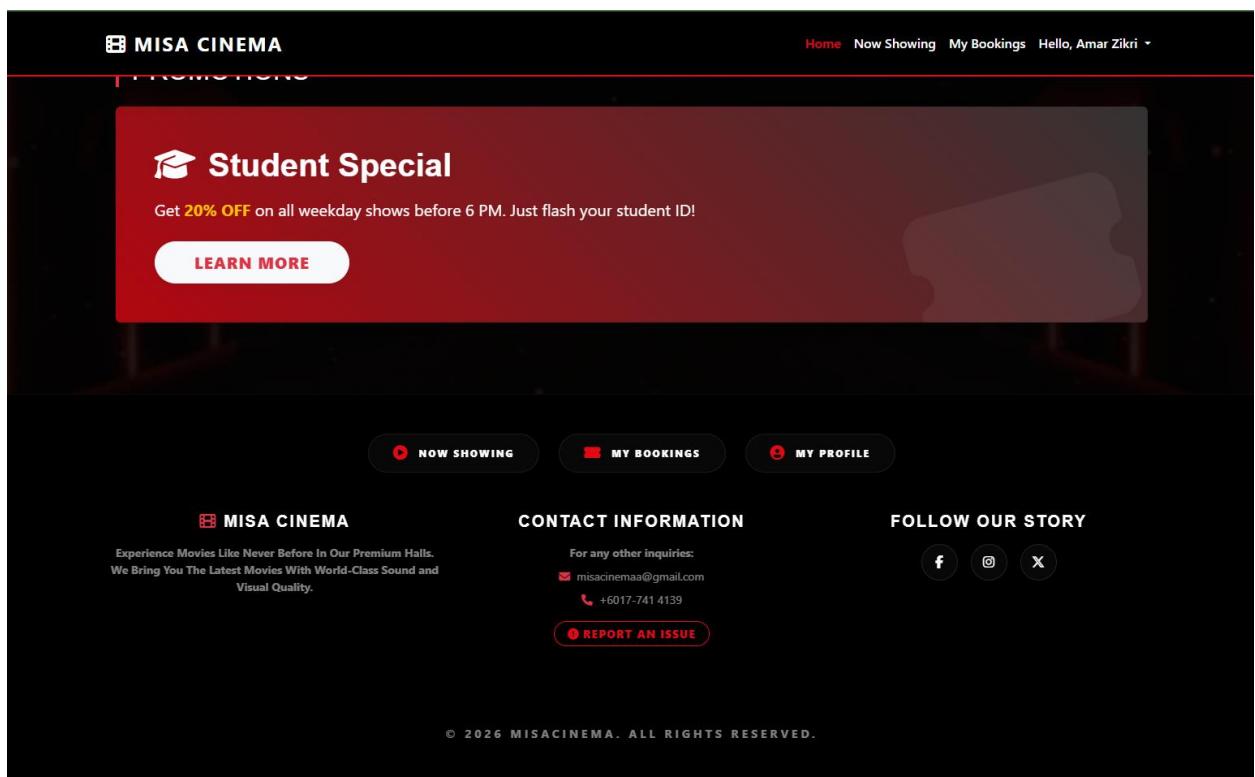


Figure 6: View of Homepage (Footer) Misa Cinema System for Customers

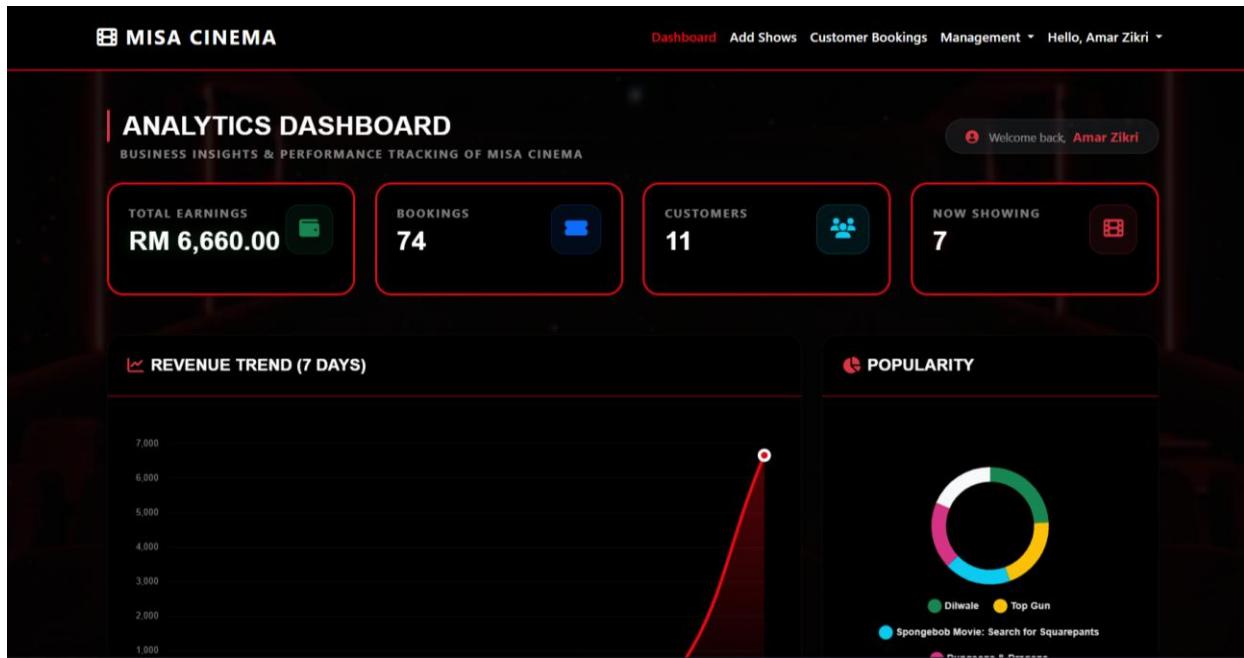


Figure 7: View of Dashboard (Header & Body) for Admin

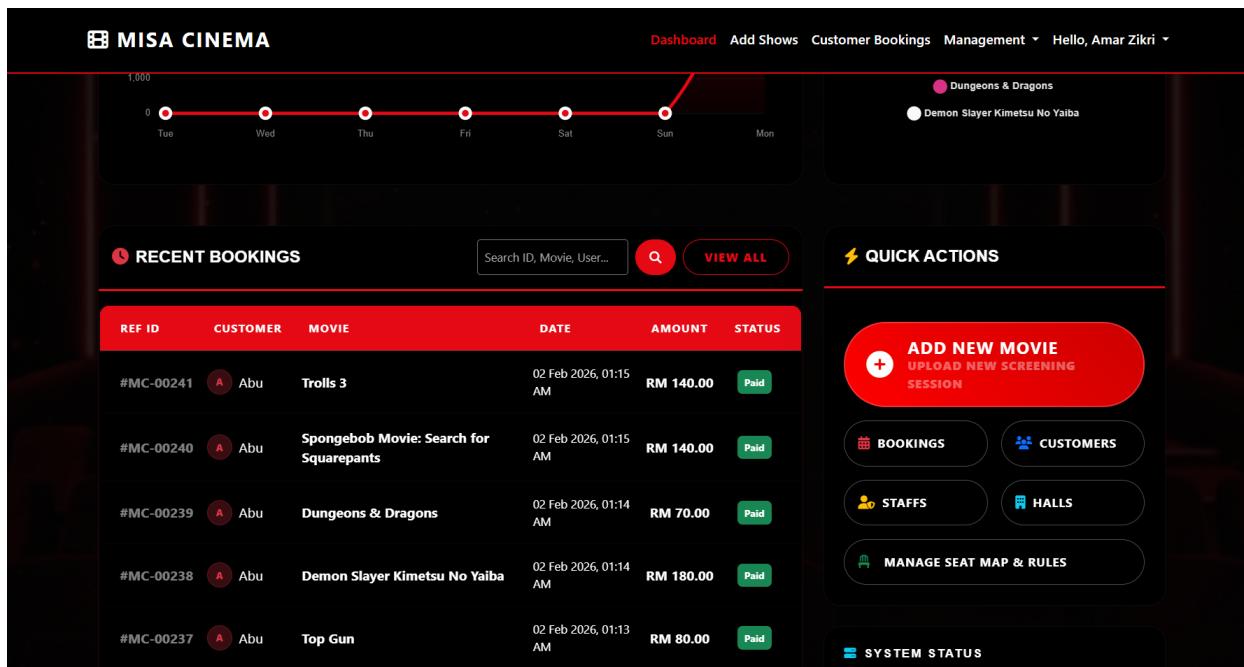


Figure 8: View of Dashboard (Body) for Admin

The screenshot shows the Admin Dashboard of the MISA CINEMA application. At the top, there's a navigation bar with links for Dashboard, Add Shows, Customer Bookings, Management, and a user greeting "Hello, Amar Zikri". Below the navigation is a table listing movie bookings:

Booking ID	User	Movie	Date & Time	Price	Status
#MC-00237	A Abu	Top Gun	02 Feb 2026, 01:13 AM	RM 80.00	Paid
#MC-00236	A Abu	Dilwale	02 Feb 2026, 01:13 AM	RM 40.00	Paid
#MC-00235	A Abu	Zootopia 2	02 Feb 2026, 01:12 AM	RM 80.00	Paid
#MC-00234	N Naim	Spongebob Movie: Search for Squarepants	02 Feb 2026, 01:11 AM	RM 70.00	Paid
#MC-00233	N Naim	Trolls 3	02 Feb 2026, 01:11 AM	RM 70.00	Paid
#MC-00232	N Naim	Dungeons & Dragons	02 Feb 2026, 01:10 AM	RM 70.00	Paid

To the right of the bookings is a "SYSTEM STATUS" section with two metrics: "Server Uptime" at 99.9% and "Database" at "Optimal". A green button below says "ALL SYSTEMS NOMINAL".

At the bottom are three buttons: ADD SHOWS, CUSTOMER BOOKINGS, and MANAGEMENT.

Figure 9: View of Dashboard (Body & Footer) for Admin

This screenshot shows the Admin Dashboard with the same layout as Figure 9, including the movie booking table and system status. The footer is expanded to show additional sections:

- MISA CINEMA**: A brief description: "Experience Movies Like Never Before In Our Premium Halls. We Bring You The Latest Movies With World-Class Sound and Visual Quality."
- CONTACT INFORMATION**: Email: misacinemaa@gmail.com, Phone: +6017-741 4139, and a "REPORT AN ISSUE" button.
- FOLLOW OUR STORY**: Social media links for Facebook, Instagram, and Twitter.

At the very bottom center is a copyright notice: "© 2026 MISACINEMA. ALL RIGHTS RESERVED."

Figure 10: View of Dashboard (Footer) for Admin

## 5.2 LAYOUT STRUCTURE

The application follows a consistent three-section layout across all pages:

### 5.2.1 NAVIGATION BAR (HEADER)

The navigation bar is fixed at the top of the viewport ensuring users always have access to key navigation options. It contains:

- **Logo:** “MISA CINEMA” branding on the left, clickable to return to homepage
- **Main Links:** Home, Now Showing, My Bookings, and profile with dropdown My Profile and Logout (for customers) or Dashboard, Add Shows, Customer Bookings, Management which is dropdown for Customers, Staffs, Halls, and Seats (for admin)
- **User Menu:** Dropdown showing username with options for Profile, and Logout.
- **Visual Style:** Semi-transparent dark background with subtle border, creating a floating effect



Figure 11: Logo of Misa Cinema System

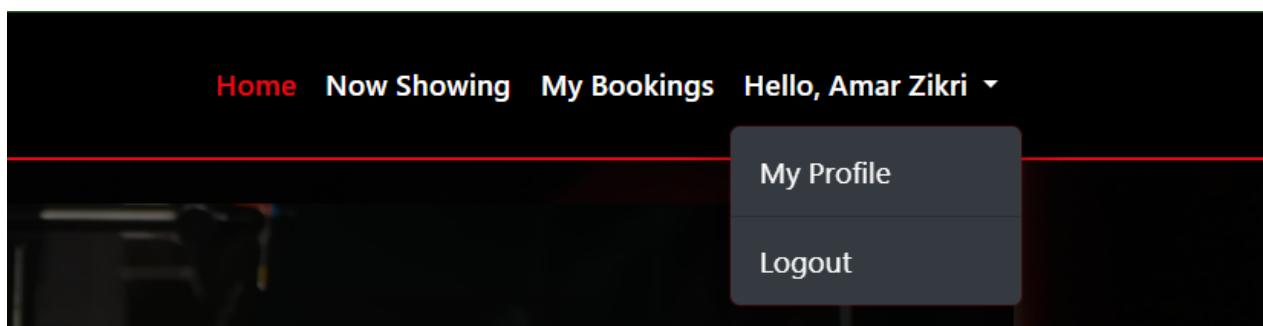


Figure 12: Navbar or Main Links for Customers

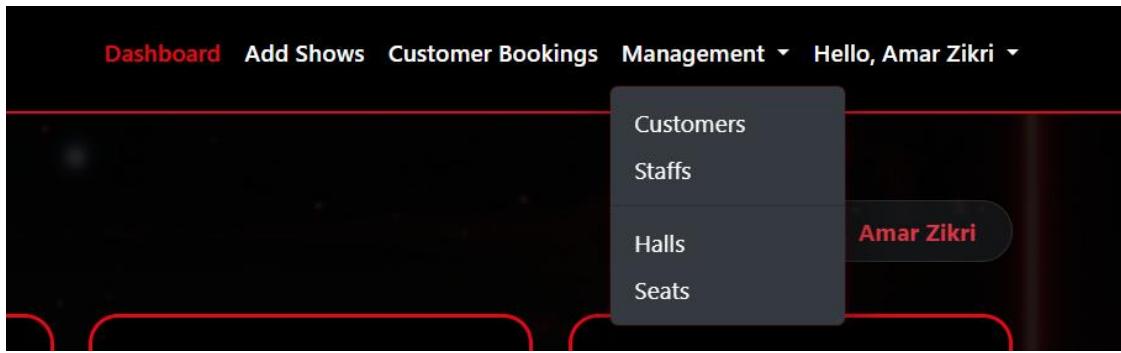


Figure 13: Navbar or Main Links for Admin

### 5.2.2 MAIN CONTENT AREA

The main content area uses a responsive container system:

- **Desktop:** Maximum width of 1200px, centered with padding
- **Tablet:** Full width with reduced side margins
- **Mobile:** Edge -to-edge content with minimal padding
- **Cards:** Content is organized into dark cards with rounded corners (20px border-radius, and subtle shadows)

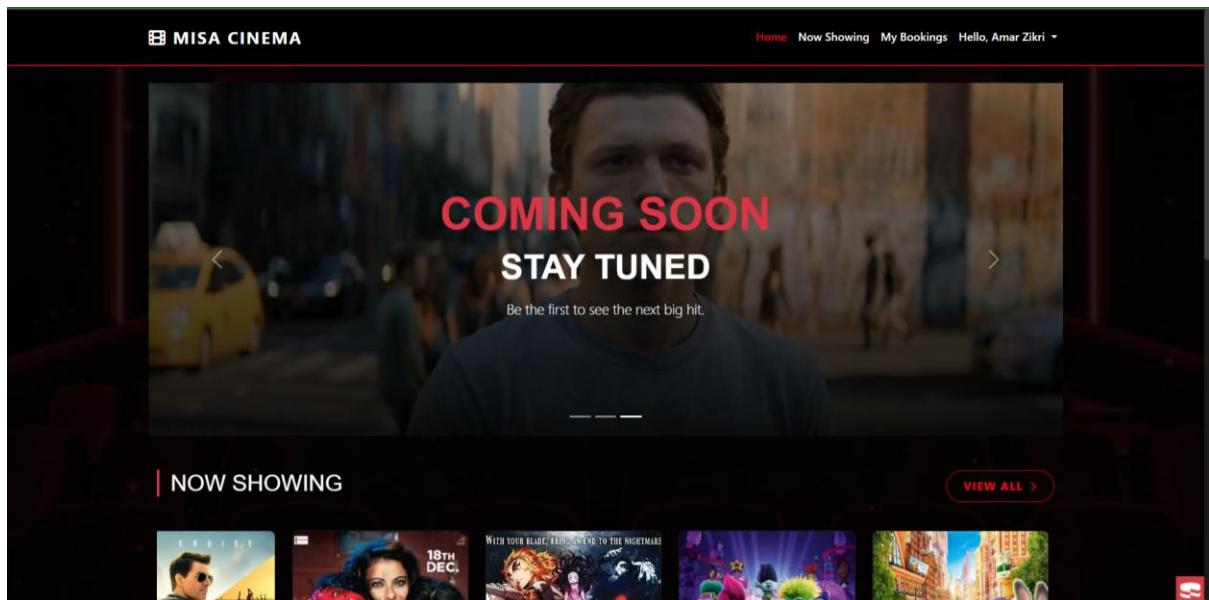


Figure 14: View of Homepage (Customers) Misa Cinema System on Desktop

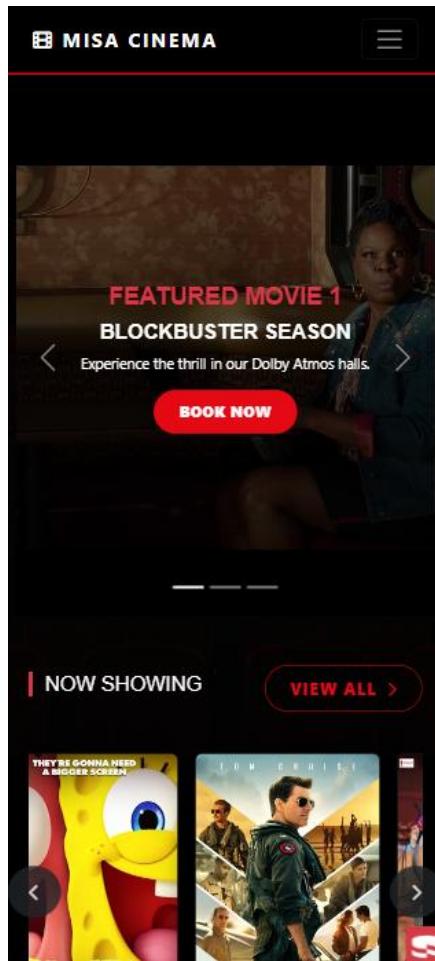


Figure 15: View of Homepage (Customers) Misa Cinema System on Mobile Phone

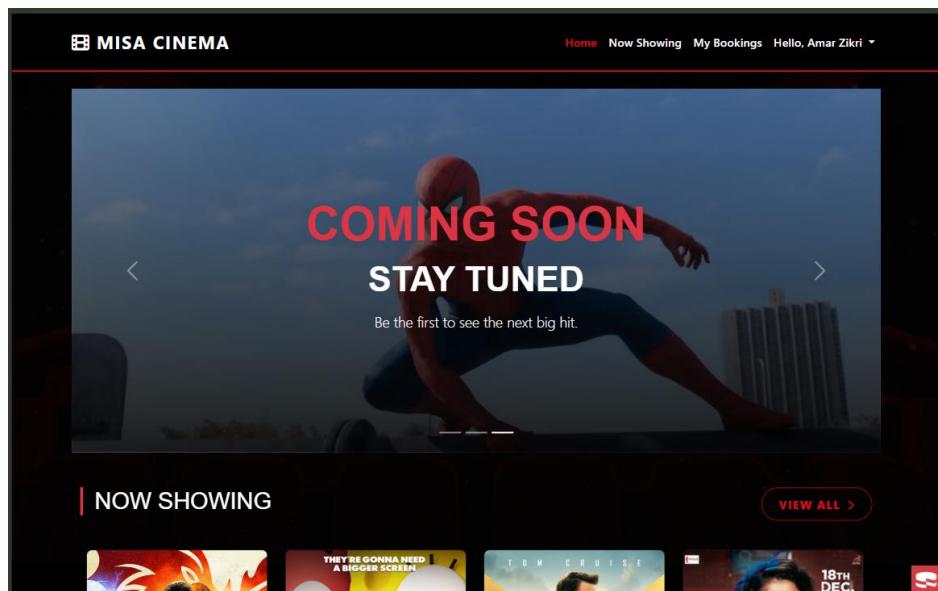


Figure 16: View of Homepage (Customers) Misa Cinema System on Tablet

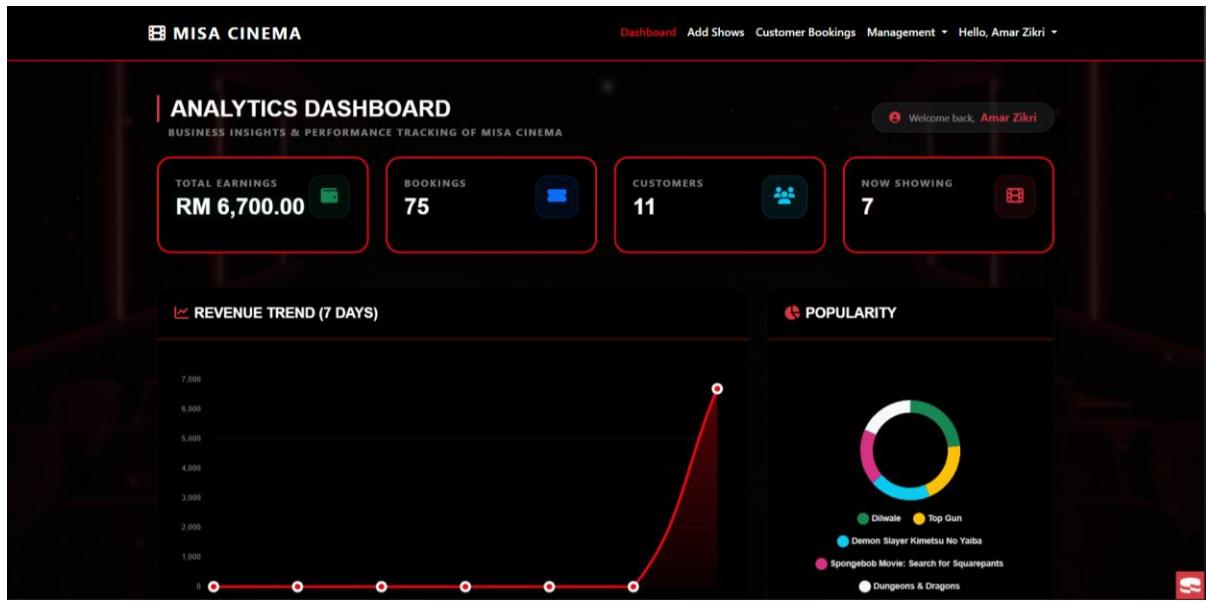


Figure 17: View of Dashboard (Admin) Misa Cinema System on Desktop

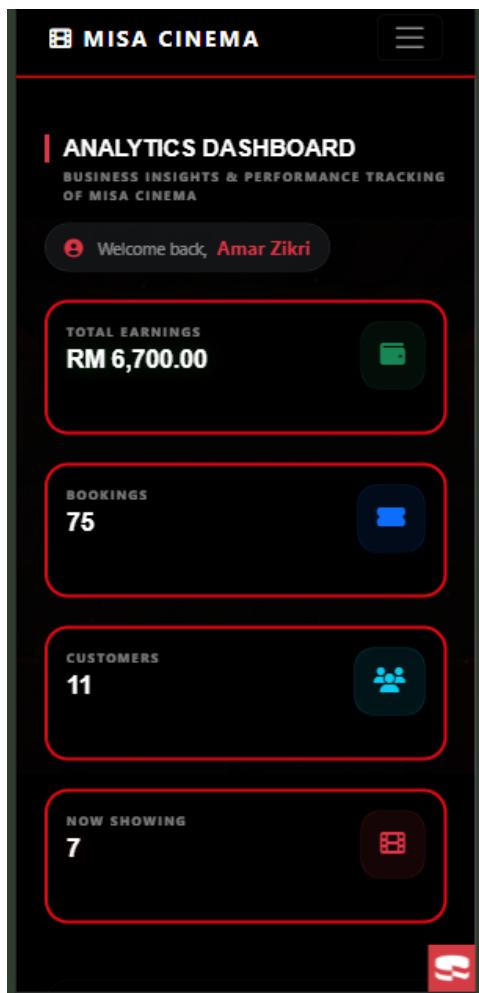


Figure 18: View of Dashboard (Admin) Misa Cinema System on Mobile Phone

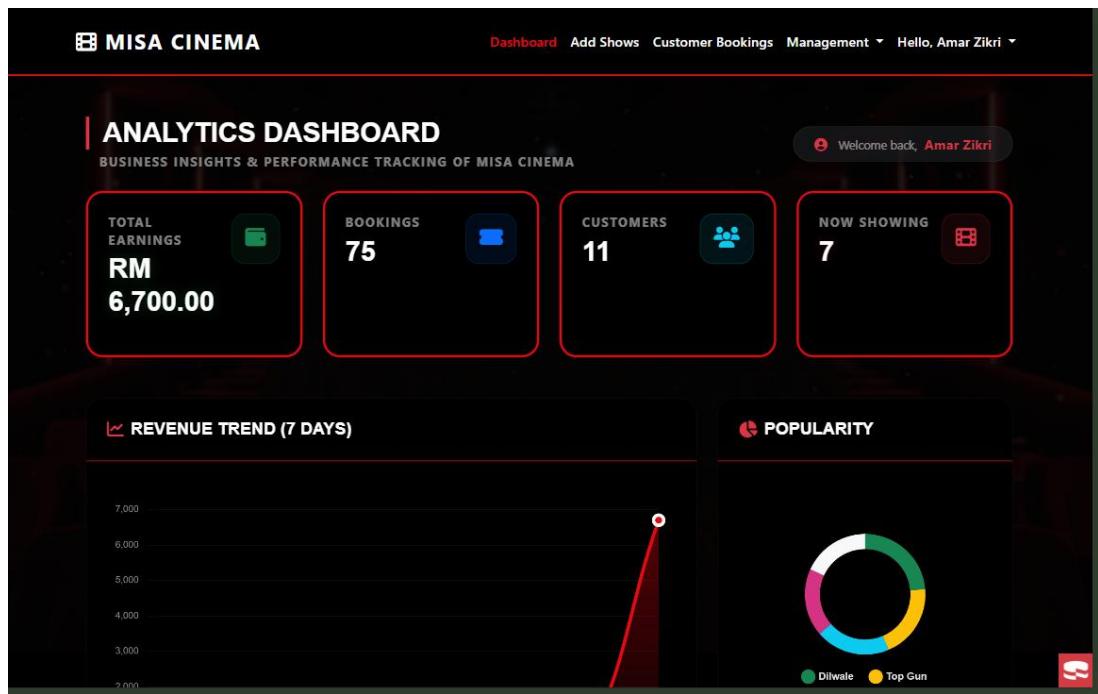


Figure 19: View of Dashboard (Admin) Misa Cinema System on Tablet

### 5.2.3 FOOTER

A minimal footer appears at the bottom containing:

- Copyright Notice
- Quick Links to Important Pages
- Contact Information
- Social Media Icons

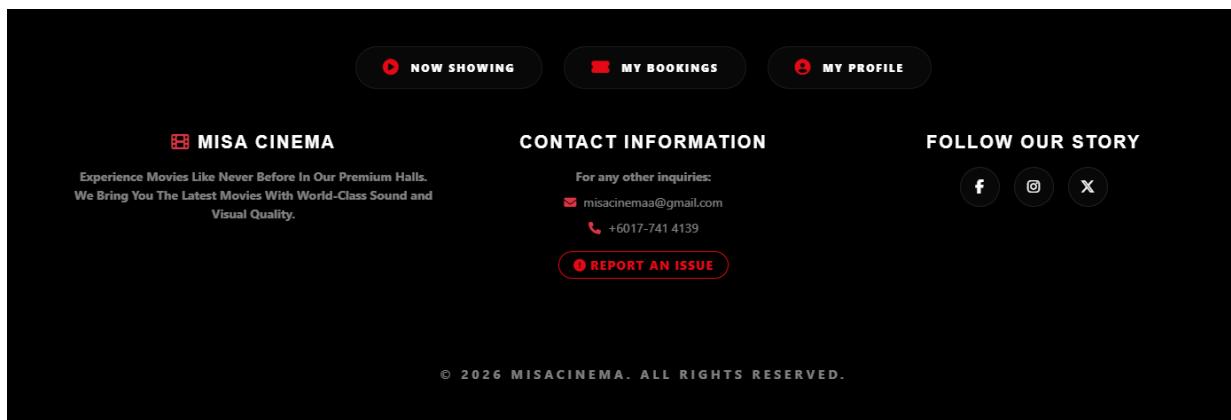


Figure 20: View of Footer (Customers)

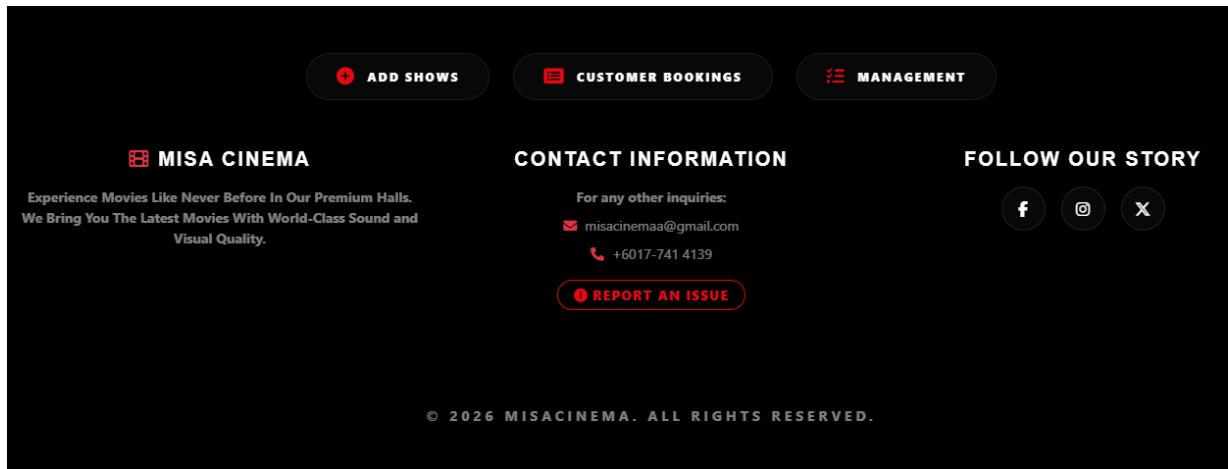


Figure 21: View of Footer (Admin)

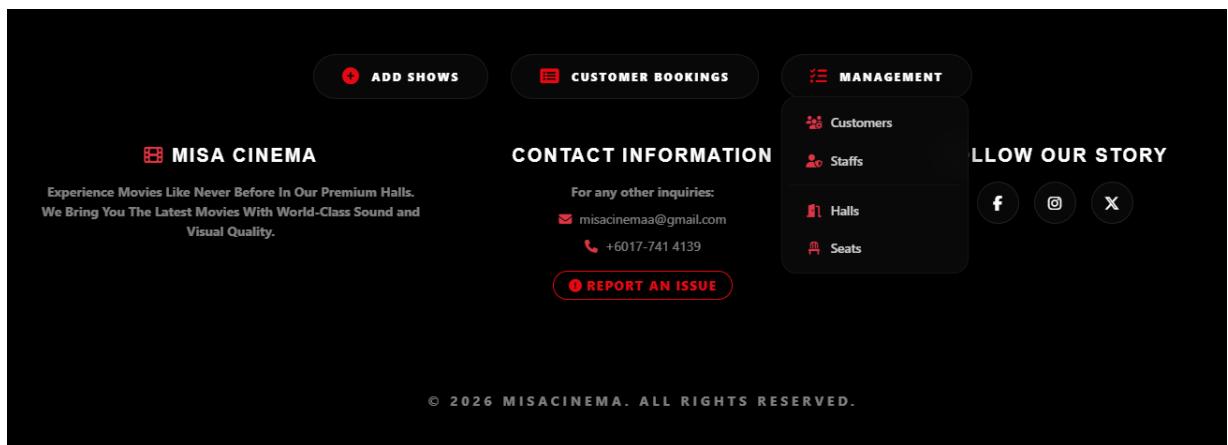


Figure 22: View of Footer (Admin) with Dropdown Options to Customers, Staffs, Halls, and Seats

### 5.3 NAVIGATION SYSTEM

MisaCinema implements role-based navigation that adapts based on the logged-in user's role.

#### 5.3.1 CUSTOMER NAVIGATION

Customers see a simplified navigation focused on the booking journey:

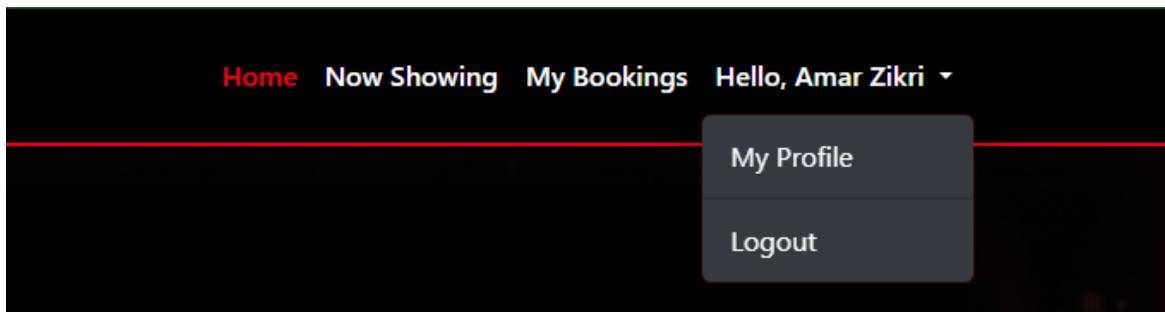
Menu Item	Description
Home	Returns to homepage with featured movies
Now Showing	Browse all available movies
My Bookings	View active and booking history
Profile Dropdown	Edit profile, Change Email, Change password, and Logout

**Table 4: Menu Item and Description for Misa Cinema System**

#### CUSTOMER JOURNEY:

[Homepage] → [Now Showing] → [Movie Details] → [Select Showtime]

→ [Choose Seats] → [Confirm Booking] → [Payment] → [Receipt]



**Figure 23: View of Navbar Misa Cinema System for Customers**

### 5.3.2 ADMIN NAVIGATION

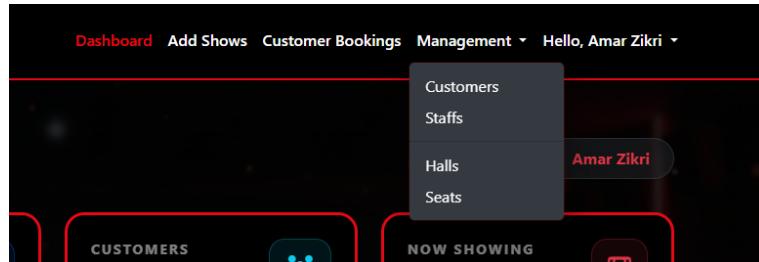
Administrators have access to management tools:

Menu Item	Description
Dashboard	Overview of system statistics, Quick actions, and Recent Bookings
Add Shows	Quick access to schedule new showtimes
Customer Bookings	View and manage all customers reservation
Management Dropdown	Help to manage Customers, Staffs, Halls and Seats

**Table 5: Menu Item and Description for Misa Cinema System**

#### ADMIN JOURNEY:

[Login] → [Dashboard] → [Management] → [CRUD Operations] → [View Reports]

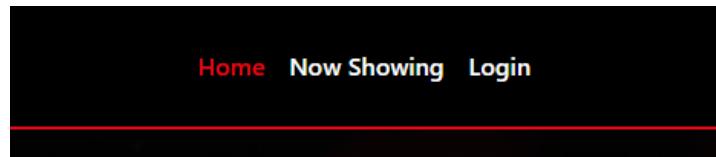


**Figure 24: View of Navbar Misa Cinema System for Admin**

### 5.3.3 GUEST NAVIGATION

Non-logged-in users see:

- Home, Now Showing, Login
- A “Guest Mode” indicator if browsing without account



**Figure 25: View of Navbar Misa Cinema System for Guest Mode**

## 5.4 RESPONSIVE DESIGN

The system is fully responsive and provides an optimized experience across all device sizes

### 5.4.1 DESKTOP VIEW (>1200)

- Full navigation bar with all menu items visible
- Movie grids display 4-5 movies per show
- Seat selection shows full hall layout
- Tables display all columns

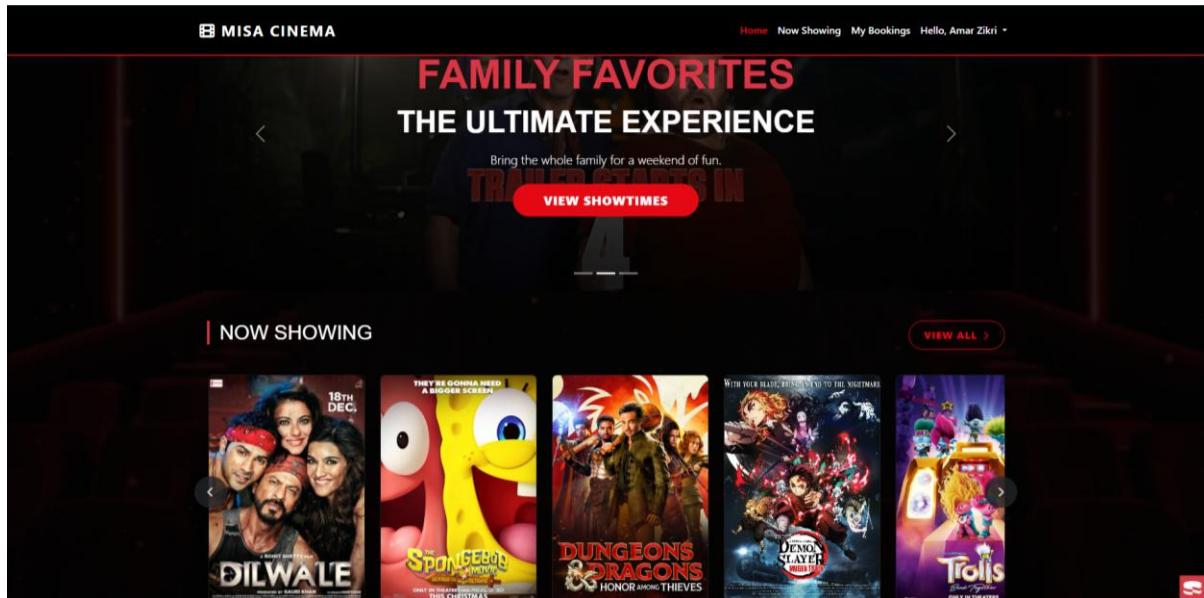


Figure 26: View of Homepage Misa Cinema System for Customers

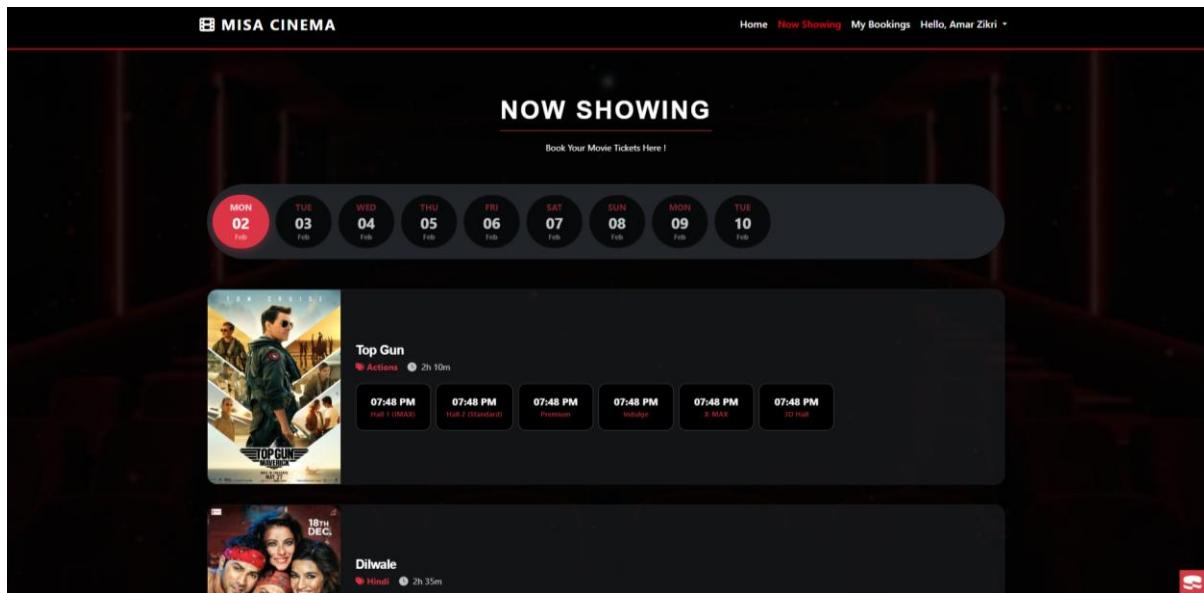


Figure 27: View of Now Showing Misa Cinema System for Customers

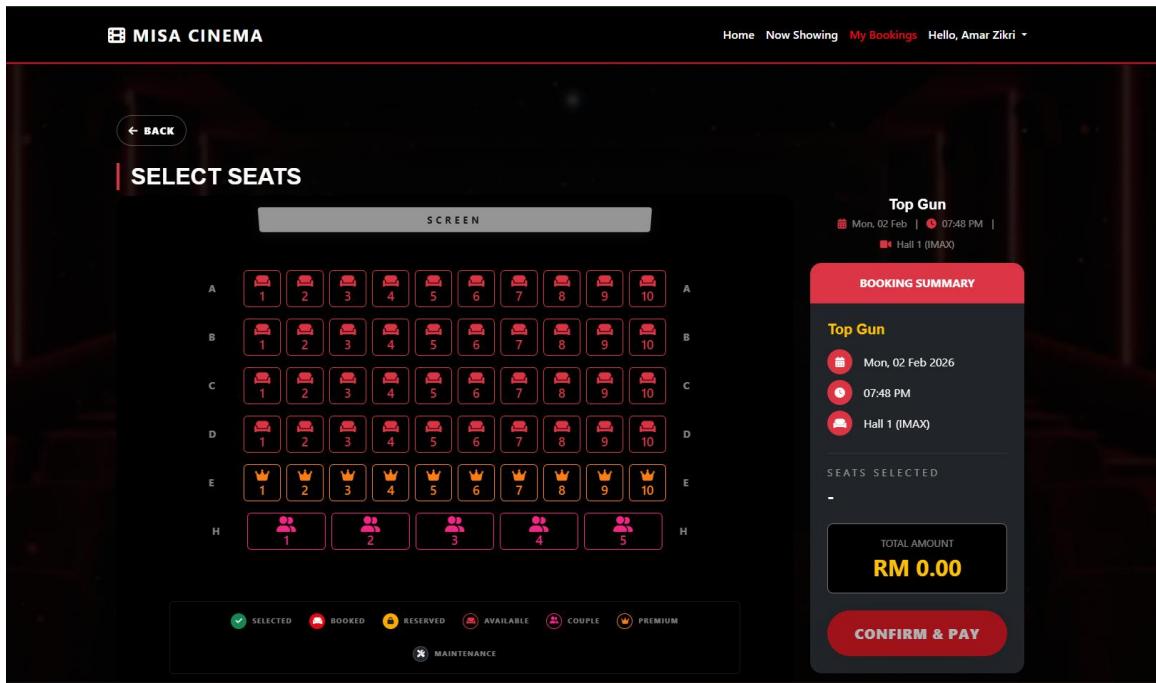


Figure 28: View of Select Seats Misa Cinema System for Customers

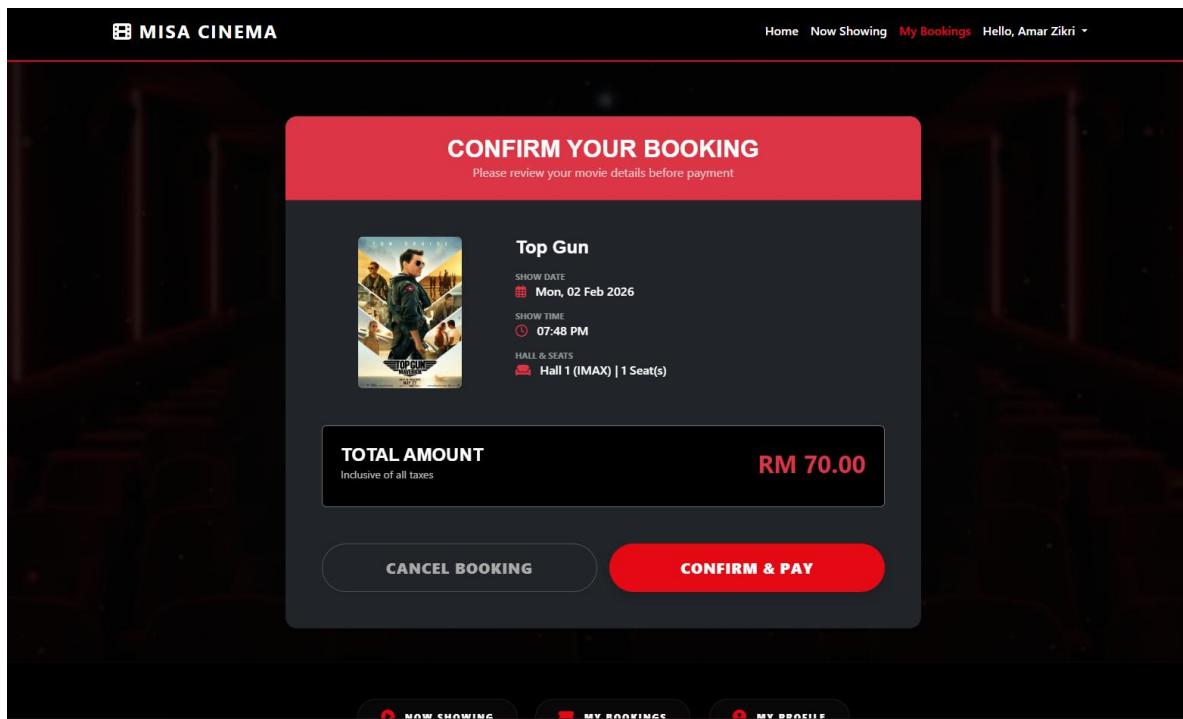


Figure 29: View of Confirm your Book Misa Cinema System for Customers

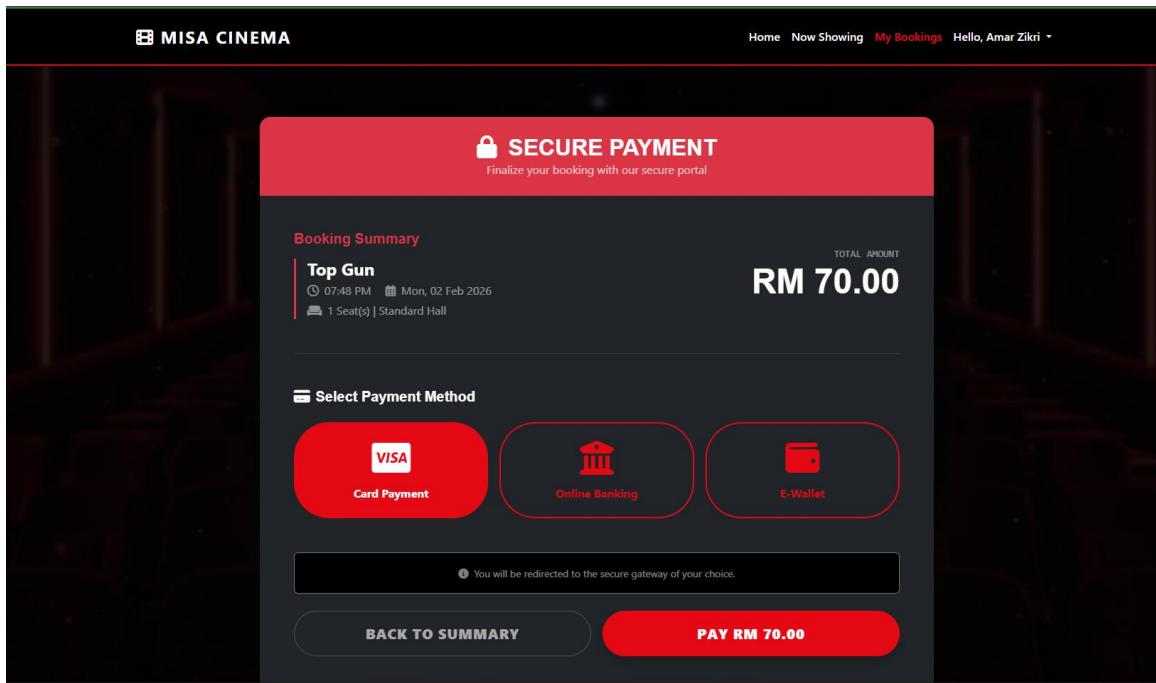


Figure 30: View of Payment Misa Cinema System for Customers

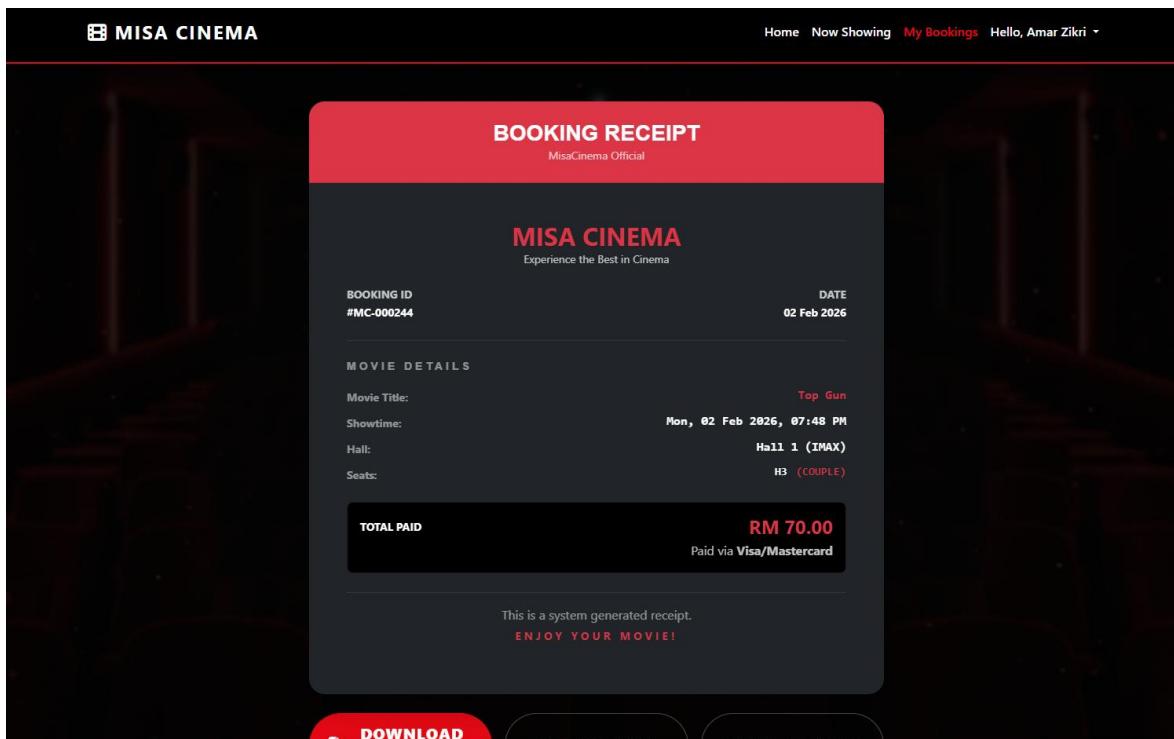


Figure 31: View of Booking Receipt Misa Cinema System for Customers

**MY BOOKINGS**

**ACTIVE TICKETS**

MOVIE DETAILS	SHOW DATE/TIME	AMOUNT	STATUS	ACTIONS
<b>Top Gun</b> Hall 1 (IMAX)   H3	Mon, 02 Feb 2026 @ 07:48 PM Booked: 02 Feb 2026, 07:39 PM	RM 70.00	CONFIRMED	<a href="#">VIEW</a>
<b>Spongebob Movie: Search for Squarepants</b> 3D Hall   E1	Mon, 09 Feb 2026 @ 10:57 PM Booked: 02 Feb 2026, 12:06 AM	RM 70.00	CONFIRMED	<a href="#">VIEW</a>
<b>Dilwale</b> Hall 2 (Standard)   H2, H3	Mon, 02 Feb 2026 @ 09:58 PM Booked: 02 Feb 2026, 12:04 AM	RM 50.00	CONFIRMED	<a href="#">VIEW</a>
<b>Top Gun</b> Hall 1 (IMAX)   D5, D6	Tue, 03 Feb 2026 @ 02:11 PM Booked: 02 Feb 2026, 12:02 AM	RM 40.00	CONFIRMED	<a href="#">VIEW</a>
<b>Zootopia 2</b> Indulge   E2, E3	Thu, 05 Feb 2026 @ 10:00 AM Booked: 02 Feb 2026, 12:02 AM	RM 360.00	CONFIRMED	<a href="#">VIEW</a>

Figure 32: View of My Bookings (Active Tickets) Misa Cinema System for Customers

**HISTORY TICKETS**

MOVIE DETAILS	SHOW DATE/TIME	AMOUNT	STATUS	ACTIONS
<b>Demon Slayer Kimetsu No Yaiba</b> Hall 2 (Standard)   H5, H6	Mon, 02 Feb 2026 @ 01:23 PM Booked: 02 Feb 2026, 12:23 PM	RM 40.00	SUCCESSFUL	<a href="#">VIEW</a>
<b>Dungeons &amp; Dragons</b> X-MAX   B4, B5	Mon, 02 Feb 2026 @ 03:58 PM Booked: 02 Feb 2026, 12:05 AM	RM 40.00	SUCCESSFUL	<a href="#">VIEW</a>
<b>Trolls 3</b> Premium   H5, H6	Mon, 02 Feb 2026 @ 11:52 AM Booked: 02 Feb 2026, 12:04 AM	RM 80.00	SUCCESSFUL	<a href="#">VIEW</a>
<b>Demon Slayer Kimetsu No Yaiba</b> 3D Hall   E2	Mon, 02 Feb 2026 @ 01:23 PM Booked: 02 Feb 2026, 12:03 AM	RM 70.00	SUCCESSFUL	<a href="#">VIEW</a>

[NOW SHOWING](#) [MY BOOKINGS](#) [MY PROFILE](#)

**MISA CINEMA** **CONTACT INFORMATION** **FOLLOW OUR STORY**

Figure 33: View of My Bookings (History Tickets) Misa Cinema System for Customers

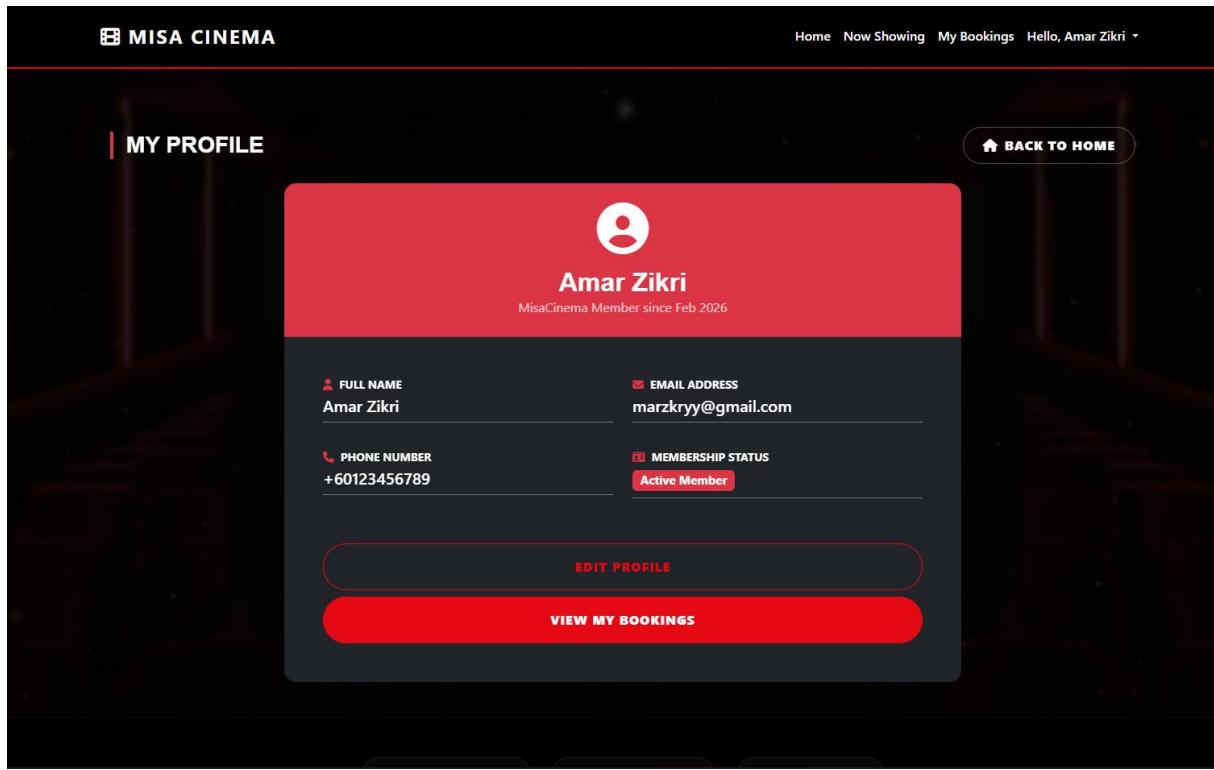


Figure 34: View of My Profile Misa Cinema System for Customers

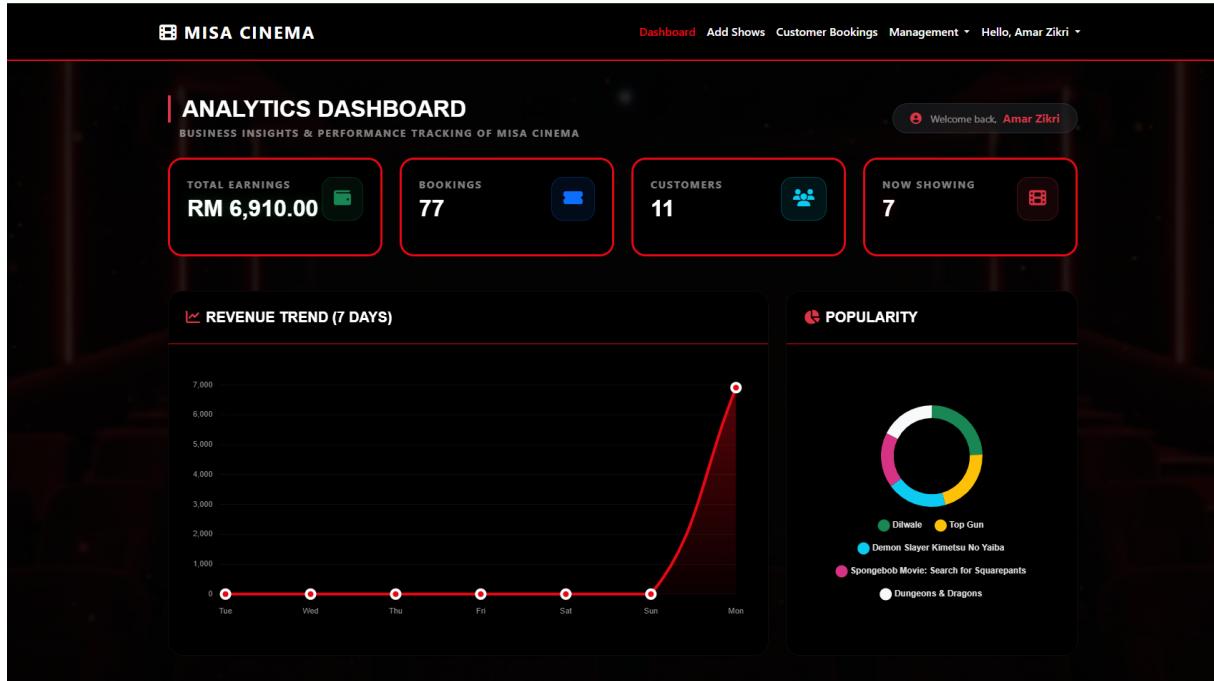


Figure 35: View of Dashboard Misa Cinema System for Admin

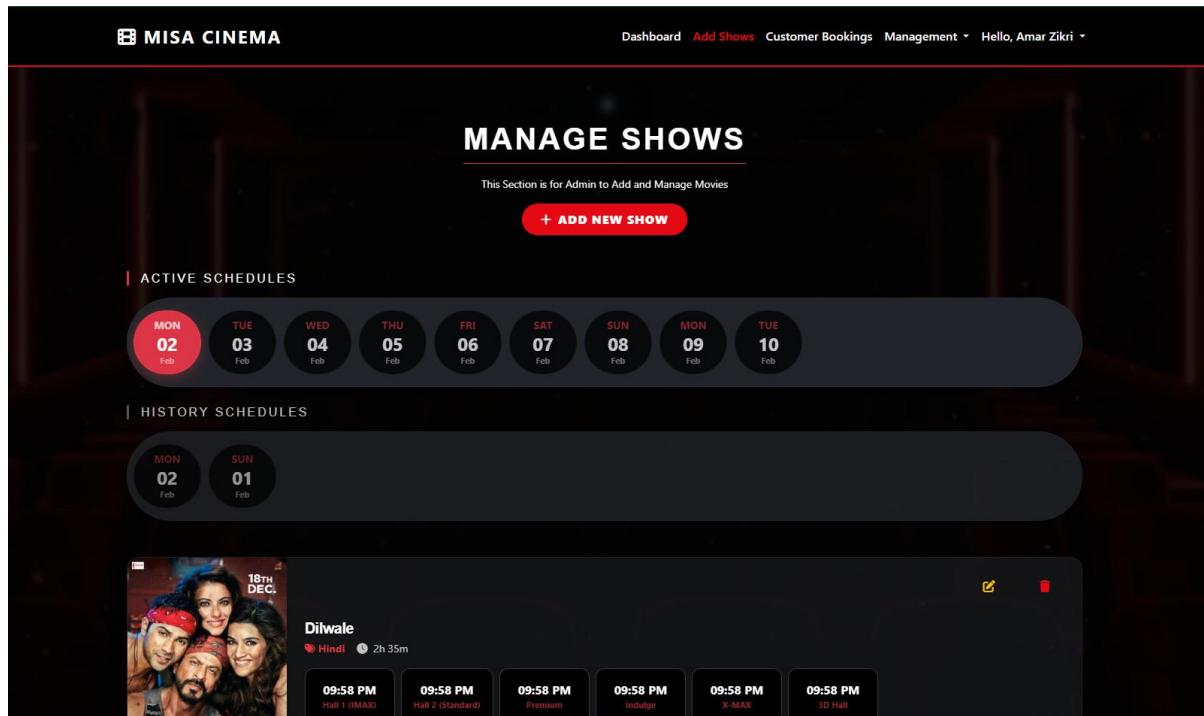


Figure 36: View of Manage Shows Misa Cinema System for Admin

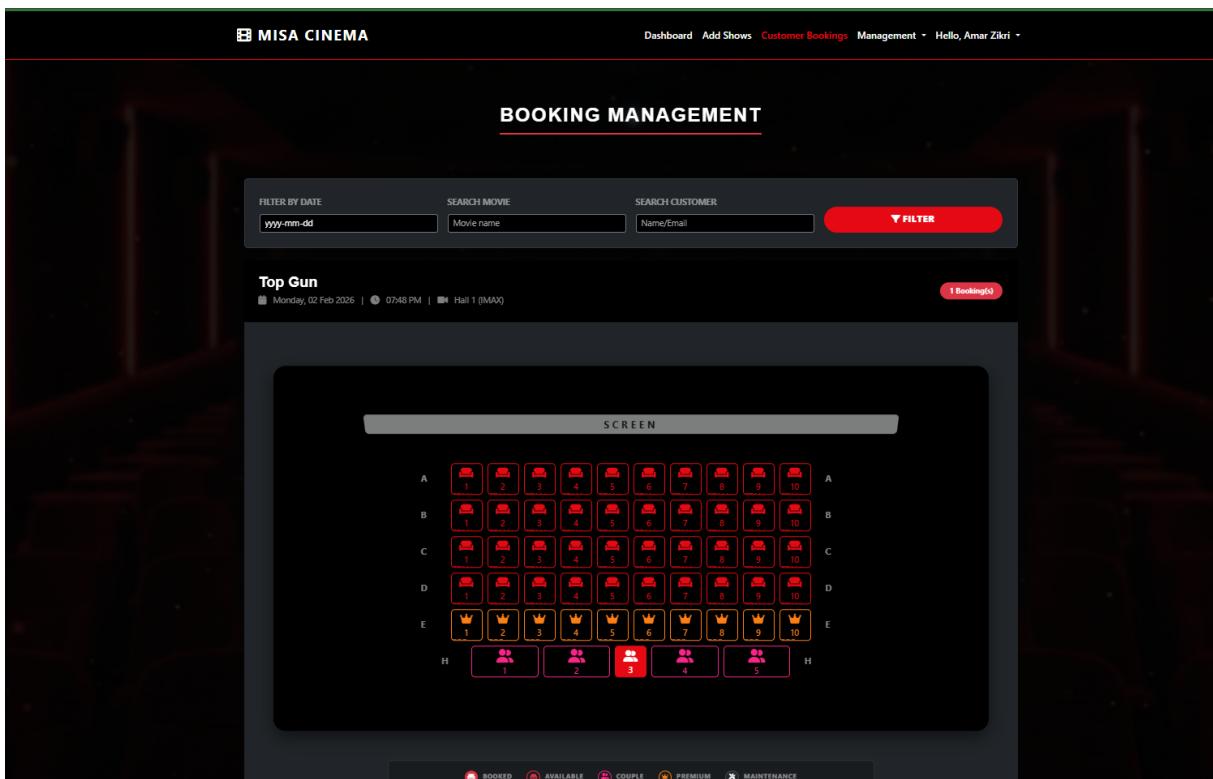


Figure 37: View of Booking Management Misa Cinema System for Admin

Name	Email	Phone	Joined	Actions
Amar Zikri	marzkry@gmail.com	+60123456789	01 Feb 2026, 10:12 PM	
Imamul Haq	nrimam04@gmail.com	+60169611442	01 Feb 2026, 11:13 PM	
Imamul Haq	2025172817@student.uitm.edu.my	+60178436055	01 Feb 2026, 11:15 PM	
Amirul Haikal	4mirulhik4l@gmail.com	+601137693547	01 Feb 2026, 11:17 PM	
Shazwan Roszaman	muhdshazwan04@gmail.com	+60198629985	01 Feb 2026, 11:19 PM	
Amirah Aishah	aamirah0804@gmail.com	+60177172096	01 Feb 2026, 11:21 PM	
Nur Izayati Shah	izyatishah@gmail.com	+601114210736	01 Feb 2026, 11:27 PM	
Naim	imambunk2016@gmail.com	+60196880890	01 Feb 2026, 11:31 PM	
Amir Ajmal	amirajmal740@gmail.com	+60174884564	01 Feb 2026, 11:47 PM	
Abu	imxmdev@gmail.com	+60123456789	02 Feb 2026, 12:01 AM	

Figure 38: View of Customer Management Misa Cinema System for Admin

Name	Phone	Email	Role	Status	Created	Actions
Staff Ali	0198765432	ali@misacinema.com	ADMIN	Active	11 Jan 2026	
Administrator	0000000000	admin@gmail.com	ADMIN	Active	28 Jan 2026	
Imam	0123456789	imambunk@gmail.com	ADMIN	Active	28 Jan 2026	
Shazwan	0198276326	shazwan@gmail.com	ADMIN	Active	28 Jan 2026	
Amirah Aishah	0177172096	aamirah0804@gmail.com	ADMIN	Active	28 Jan 2026	
Amar	+60123456789	marzamzuri@gmail.com	ADMIN	Active	29 Jan 2026	
Amar Zikri	+60123456789	marzkry@gmail.com	ADMIN	Active	29 Jan 2026	
Zahid Hanafi	0123456789	kilmara12@gmail.com	ADMIN	Active	02 Feb 2026	

Figure 39: View of Staffs Management Misa Cinema System for Admin

**HALLS MANAGEMENT**

HALL TYPE	STATUS	CREATED	MODIFIED	ACTIONS
Hall 1 (IMAX)	Active	11 Jan 2026	11 Jan 2026	
Hall 2 (Standard)	Active	11 Jan 2026	11 Jan 2026	
Premium	Active	11 Jan 2026	11 Jan 2026	
Indulge	Active	12 Jan 2026	12 Jan 2026	
X-MAX	Active	30 Jan 2026	30 Jan 2026	
3D Hall	Active	31 Jan 2026	31 Jan 2026	

< >

SHOWING 6 OF 6 HALLS | PAGE 1 OF 1

Figure 40: View of Halls Management Misa Cinema System for Admin

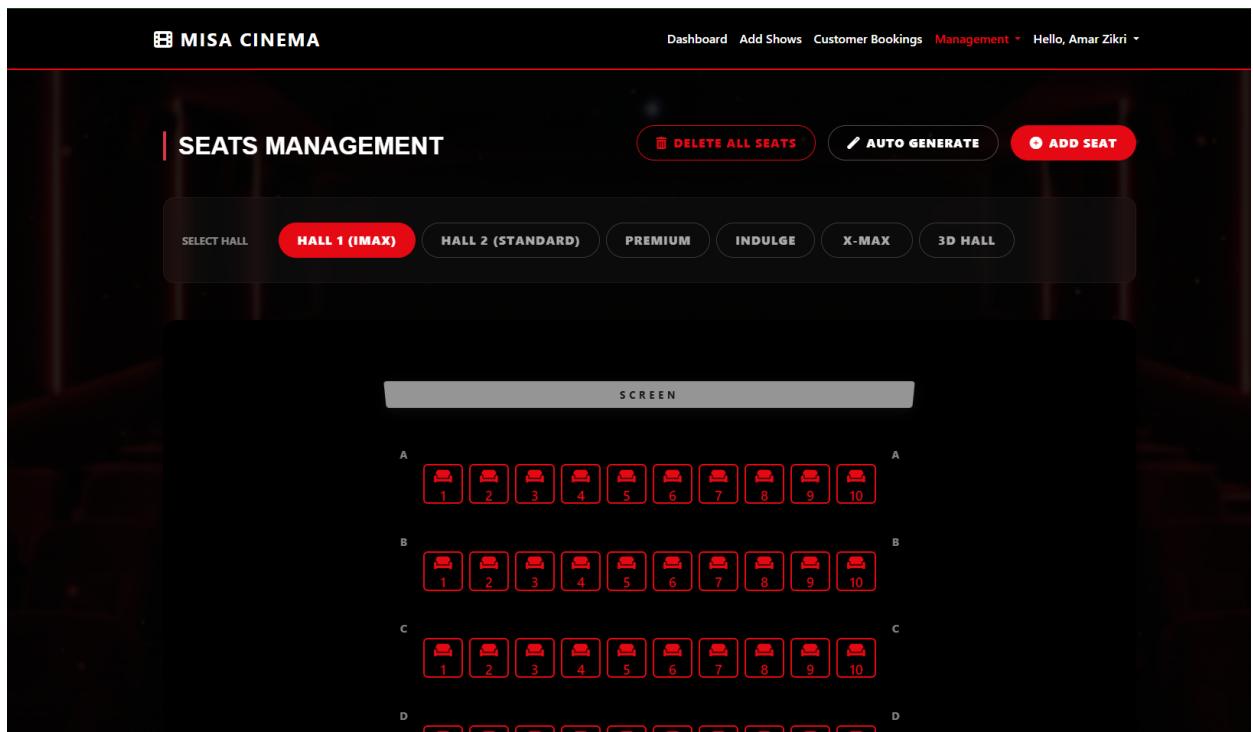


Figure 41: View of Seats Management Misa Cinema System for Admin

#### 5.4.2 TABLET VIEW 768PX – 1199PX)

- Navigation items may collapse into hamburger menu
- Movie grids reduce to 3 movies per row
- Seat map shows full layout
- Tables hide less important columns

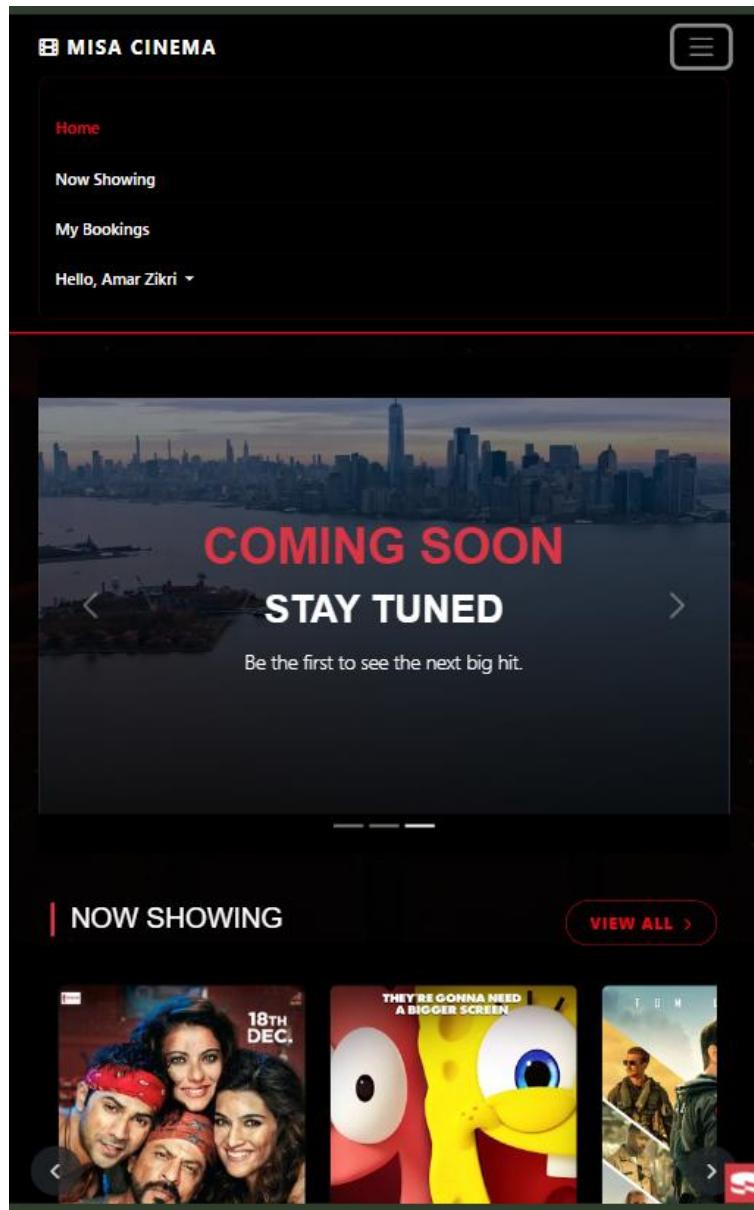


Figure 42: View of Homepage Misa Cinema System for Customers

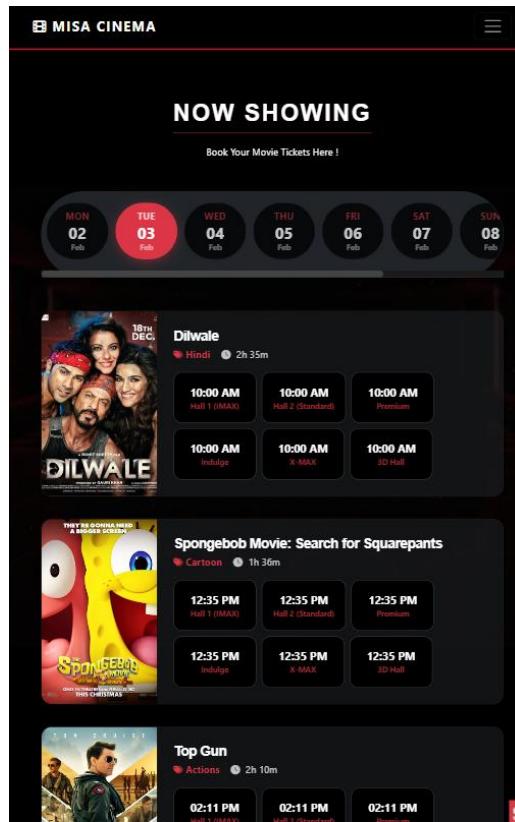


Figure 43: View of Now Showing Misa Cinema System for Customers

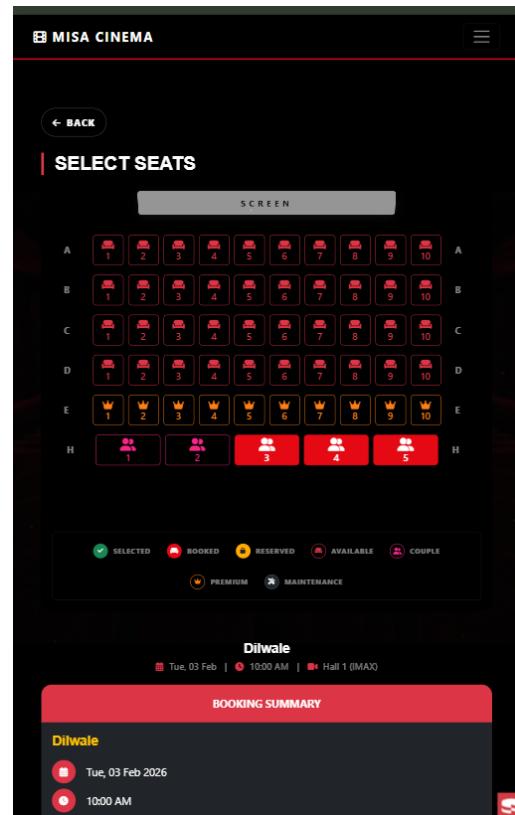


Figure 44: View of Select Seats Misa Cinema System for Customers

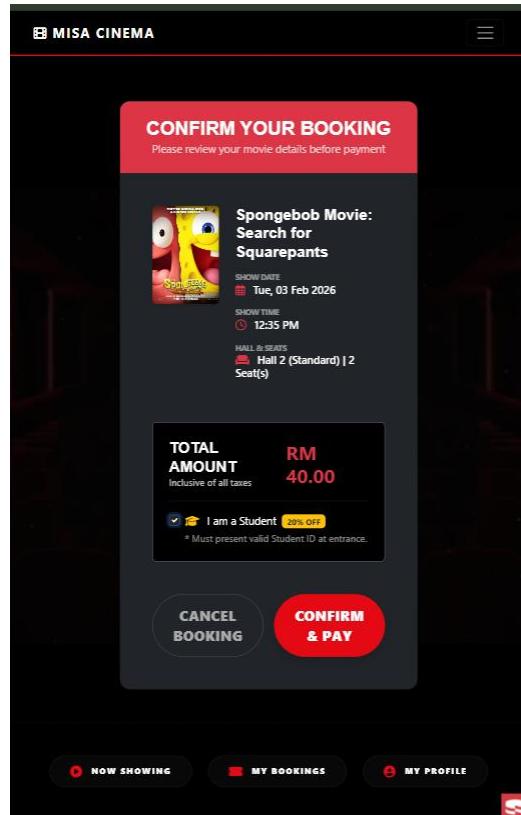


Figure 45: View of Confirm your Booking Misa Cinema System for Customers

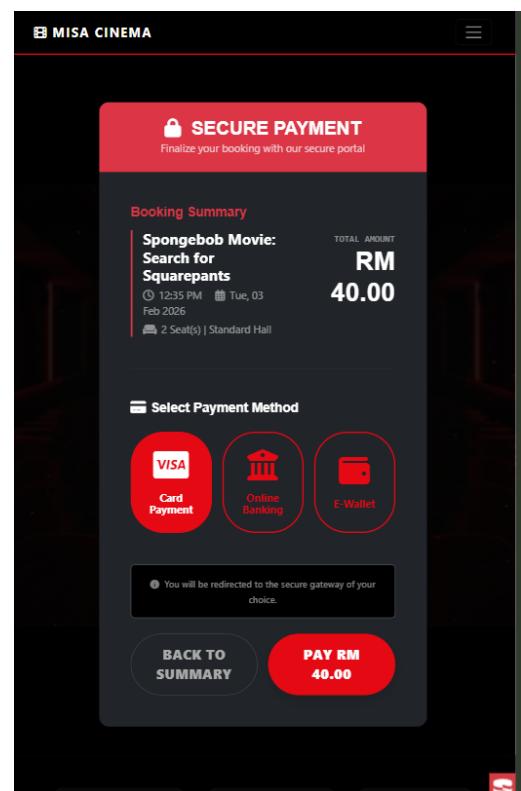


Figure 46: View of Payment Misa Cinema System for Customers

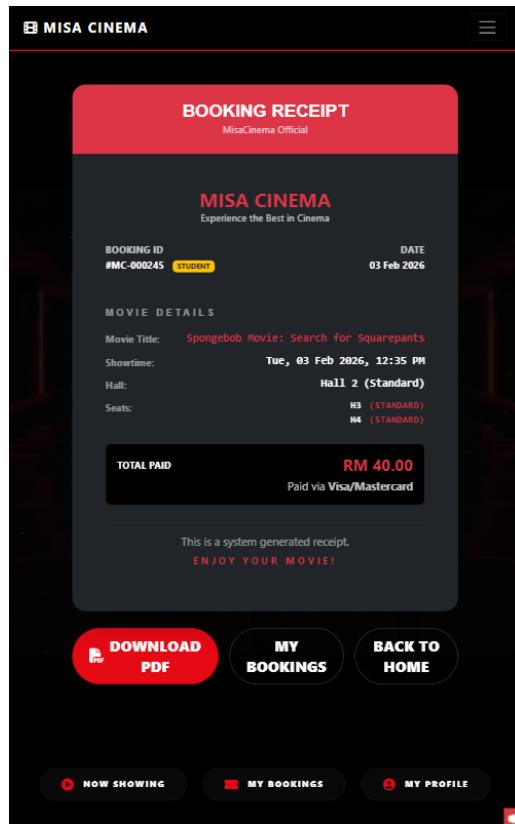


Figure 47: View of Booking Receipt Misa Cinema System for Customers

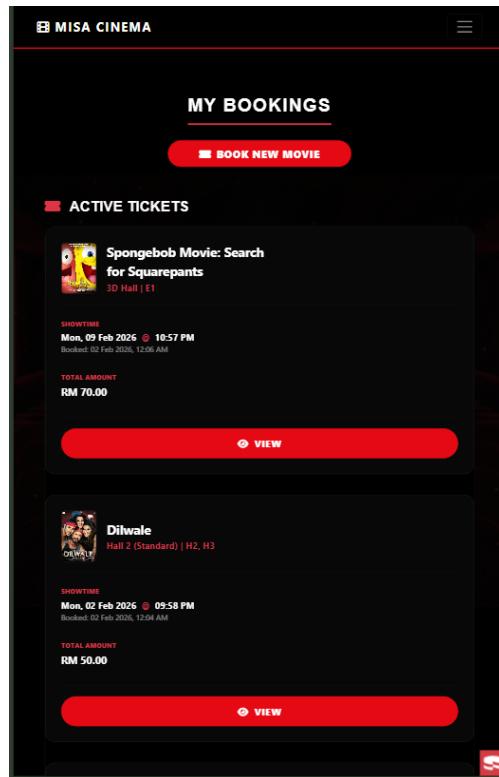


Figure 48: View of My Bookings (Active Tickets) Misa Cinema System for Customers

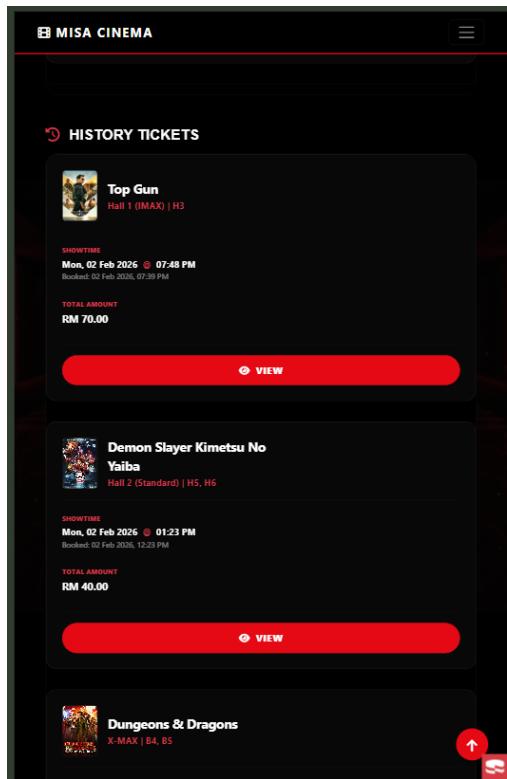


Figure 49: View of My Bookings (History Tickets) Misa Cinema for Customers

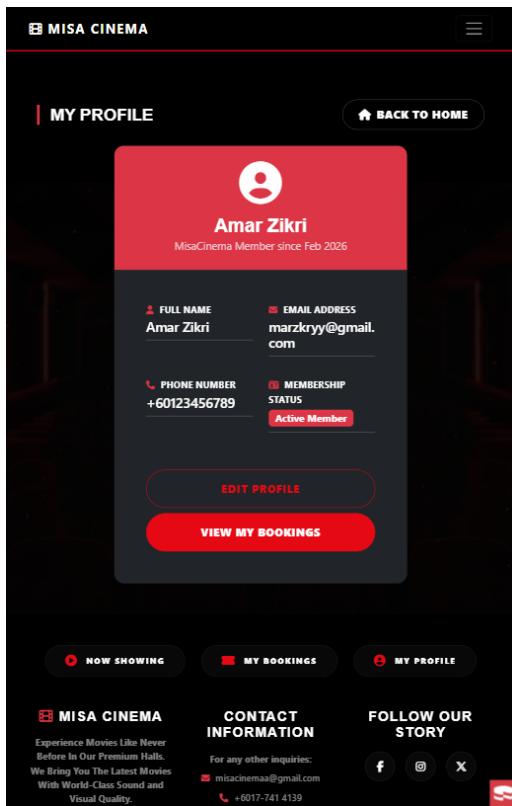


Figure 50: View of My Profile Misa Cinema System for Customers

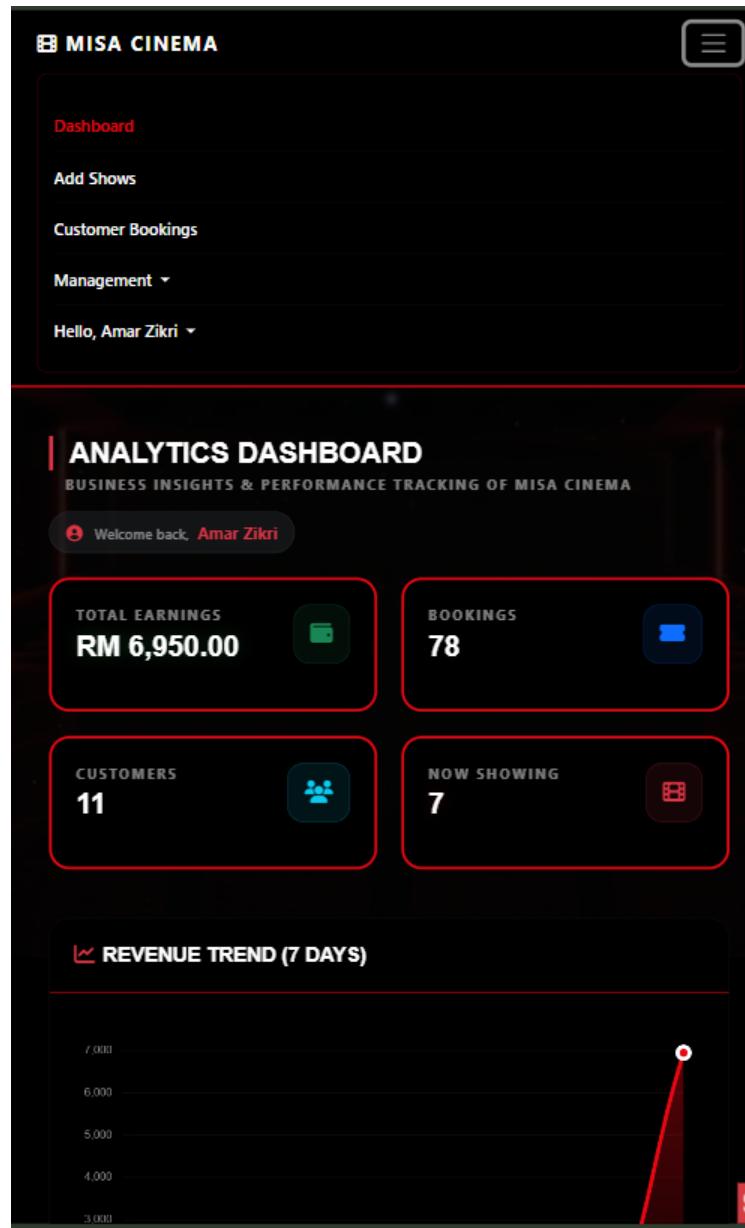


Figure 51: View of Dashboard Misa Cinema System for Admin

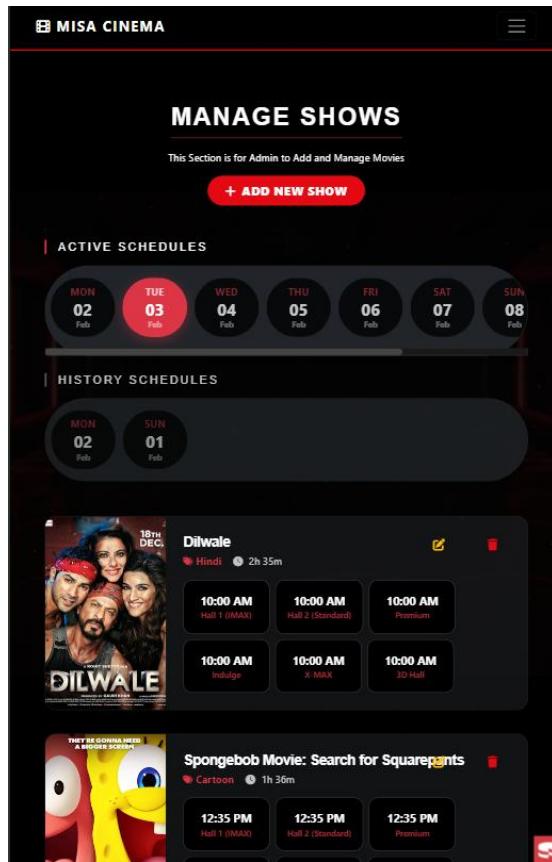


Figure 52: View of Manage Shows Misa Cinema System for Admin

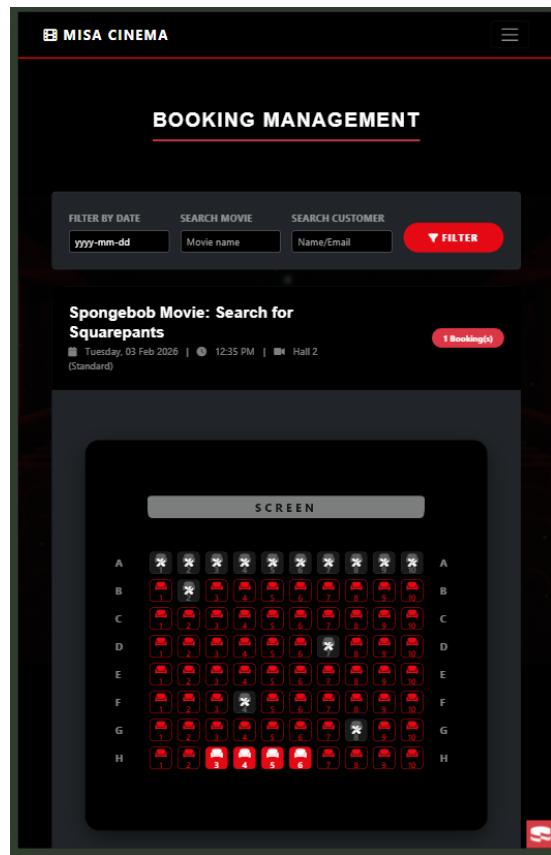


Figure 53: View of Booking Management Misa Cinema System for Admin

**MISA CINEMA**

### CUSTOMER MANAGEMENT

Search by Name or Email  🔍

NAME	EMAIL	PHONE	ACTIONS
Amar Zikri	marzkry@gmail.com	+60123456789	<span>🕒</span> <span>🔗</span>
Imamul Haq	nrimam04@gmail.com	+60169611442	<span>🕒</span> <span>🔗</span>
Imamul Haq	2025172817@student.ultra.edu.my	+60178436055	<span>🕒</span> <span>🔗</span>
Amirul Haikal	4mirulh4ik4l@gmail.com	+601137693547	<span>🕒</span> <span>🔗</span>
Shazwan Roszman	muhdshazwan04@gmail.com	+60198629985	<span>🕒</span> <span>🔗</span>
Amirah Aishah	aamirah0804@gmail.com	+60177172096	<span>🕒</span> <span>🔗</span>
Nur Izyati Shah	izyatishah@gmail.com	+601114210736	<span>🕒</span> <span>🔗</span>
Naim	imambunk2016@gmail.com	+60196880890	<span>🕒</span> <span>🔗</span>
Amir Ajmal	amirajmal740@gmail.com	+60174884564	<span>🕒</span> <span>🔗</span>
Abu	imxmdev@gmail.com	+60123456789	<span>🕒</span> <span>🔗</span>
Iliham Kammil	ilihamkammil@gmail.com	+60176869031	<span>🕒</span> <span>🔗</span>

< >

SHOWING 11 OF 11 CUSTOMERS | PAGE 1 OF 1

Figure 54: View of Customer Management Misa Cinema System for Admin

**MISA CINEMA**

### STAFFS MANAGEMENT

Search name or email...  🔍 + NEW STAFF

NAME	PHONE	EMAIL	STATUS	CREATED	ACTIONS
Staff Ali	0198765432	ali@misacinema.com	Active	11 Jan 2026	<span>🕒</span> <span>🔗</span>
Administrator	0000000000	admin@gmail.com	Active	28 Jan 2026	<span>🕒</span> <span>🔗</span>
Imam	0123456789	imambunk@gmail.com	Active	28 Jan 2026	<span>🕒</span> <span>🔗</span>
Shazwan	0198276326	shazwan@gmail.com	Active	28 Jan 2026	<span>🕒</span> <span>🔗</span>
Amirah Aishah	0177172096	aamirah0804@gmail.com	Active	28 Jan 2026	<span>🕒</span> <span>🔗</span>
Amar	+60123456789	marzamzuri@gmail.com	Active	29 Jan 2026	<span>🕒</span> <span>🔗</span>
Amar Zikri	+60123456789	marzkry@gmail.com	Active	29 Jan 2026	<span>🕒</span> <span>🔗</span>
Zahid Hanafi	0123456789	killmera12@gmail.com	Active	02 Feb 2026	<span>🕒</span> <span>🔗</span>

< >

SHOWING 8 OF 8 STAFF MEMBERS | PAGE 1 OF 1

➕ ADD SHOWS ➡ CUSTOMER BOOKINGS ⬅ MANAGEMENT

Figure 55: View of Staffs Management Misa Cinema System for Admin

HALL TYPE	STATUS	CREATED	ACTIONS
Hall 1 (IMAX)	Active	11 Jan 2026	
Hall 2 (Standard)	Active	11 Jan 2026	
Premium	Active	11 Jan 2026	
Indulge	Active	12 Jan 2026	
X-MAX	Active	30 Jan 2026	
3D Hall	Active	31 Jan 2026	

SHOWING 6 OF 6 HALLS | PAGE 1 OF 1

**MISA CINEMA**  
Experience Movies Like Never Before In Our Premium Halls. We Bring You The Latest Movies With World-Class Sound and Visual Quality.

**CONTACT INFORMATION**  
For any other inquiries:  
✉️ misacinema@gmail.com  
📞 +6017-741 4139

**FOLLOW OUR STORY**

Figure 56: View of Halls Management Misa Cinema System for Admin

**SEATS MANAGEMENT**

SELECT HALL

**HALL 1 (IMAX)** **HALL 2 (STANDARD)** **PREMIUM** **INDULGE** **X-MAX**

SCREEN

A		A
B		B
C		C
D		D
E		E
F		F
G		G
H		H

**MISA CINEMA**  
Experience Movies Like Never Before In Our Premium Halls. We Bring You The Latest Movies With World-Class Sound and Visual Quality.

**CONTACT INFORMATION**  
For any other inquiries:  
✉️ misacinema@gmail.com  
📞 +6017-741 4139

**FOLLOW OUR STORY**

Figure 57: View of Seats Management Misa Cinema System for Admin

#### 5.4.3 MOBILE VIEW (<768)

- Hamburger menu for navigation
- Movie grid shows 2 movies per row, then 1 for very small screens
- Seat selection implements horizontal scrolling for large halls
- Tables transform into card-based layouts for better readability
- Booking details stack vertically instead of horizontal rows

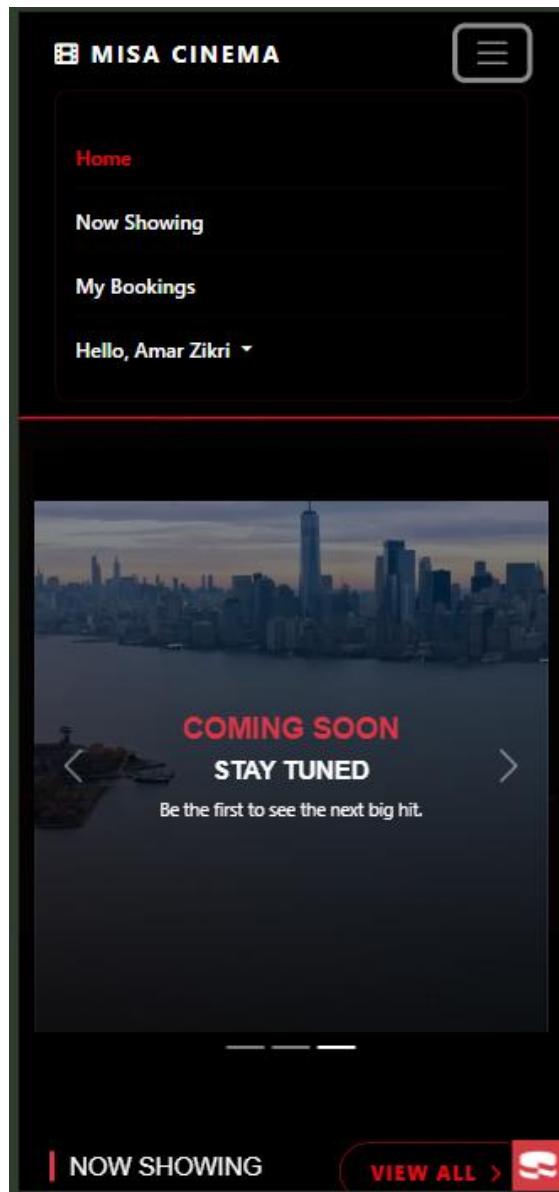


Figure 58: View of Homepage and Navbar Misa Cinema for Customers

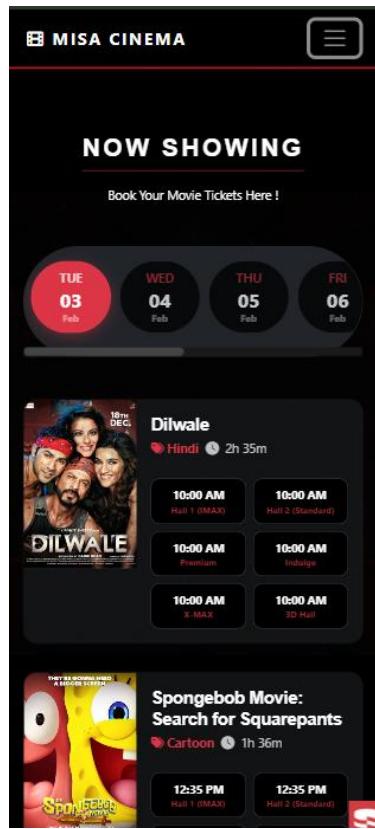


Figure 59: View of Now Showing Misa Cinema System for Customers

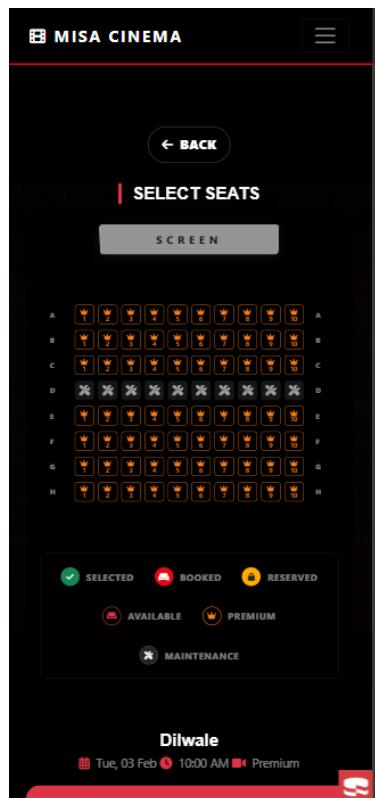


Figure 60: View of Select Seats Misa Cinema System for Customers

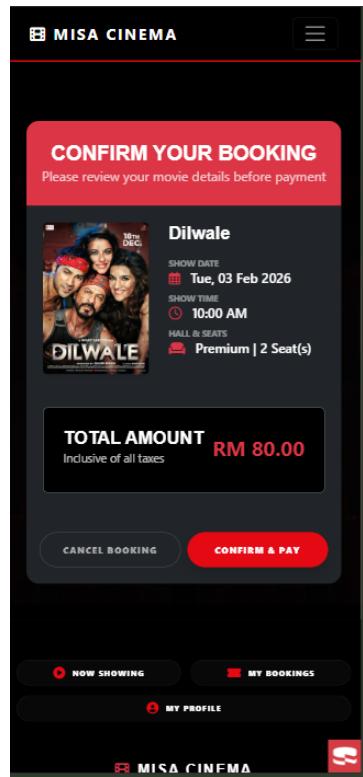


Figure 61: View of Confirm your Booking Misa Cinema System for Customers

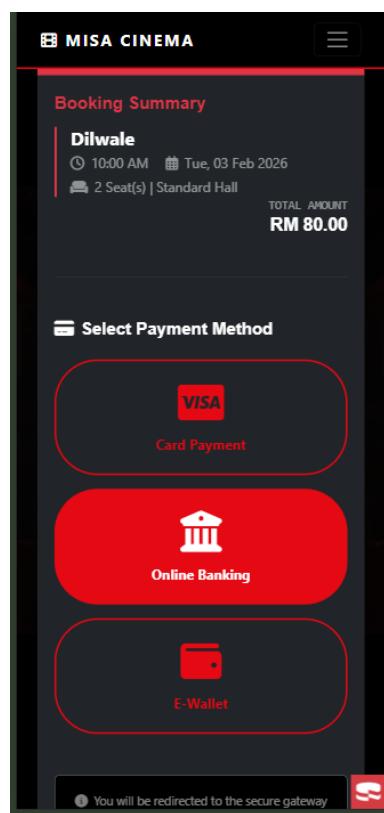


Figure 62: View of Payment Misa Cinema System for Customers



Figure 63: View of Booking Receipt Misa Cinema System for Customers

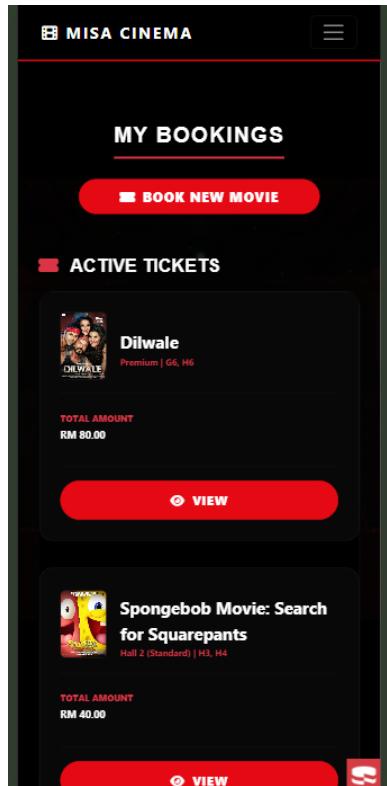
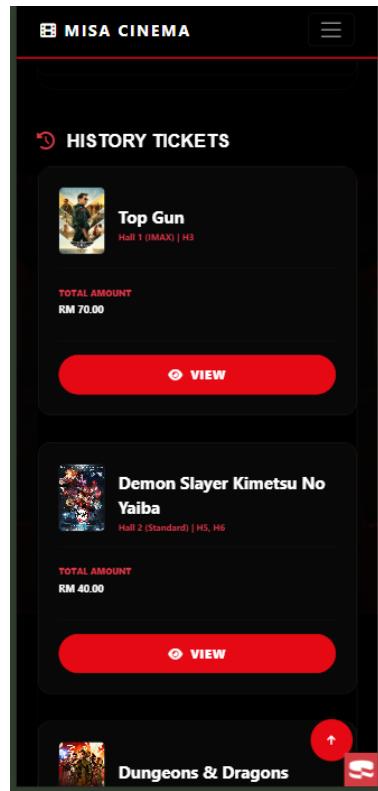
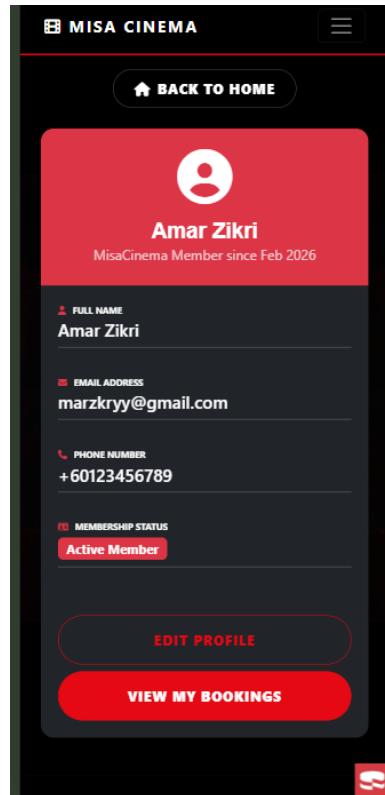


Figure 64: View of My Bookings (Active Bookings) Misa Cinema System for Customers



**Figure 65: View of My Bookings (History Bookings) Misa Cinema System for Customers**



**Figure 66: View of My Profile Misa Cinema System for Customers**

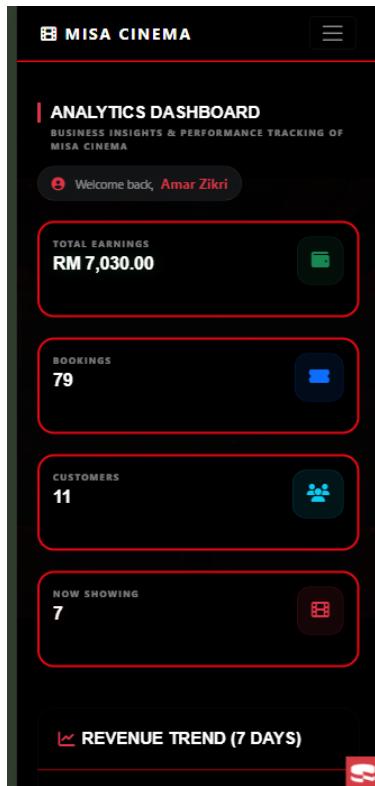


Figure 67: View of Dashboard Misa Cinema System for Admin

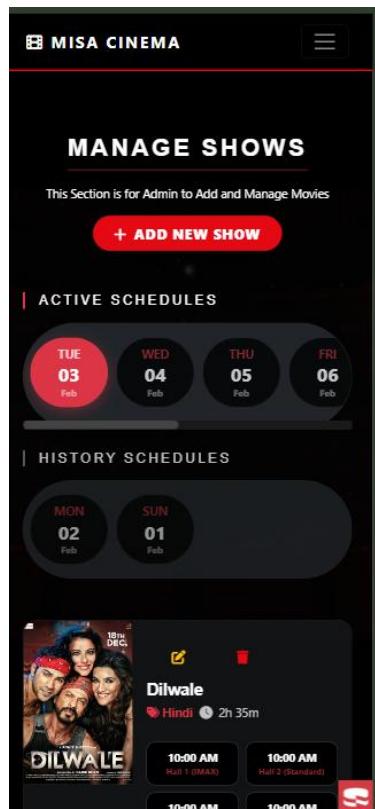


Figure 68: View of Manage Shows Misa Cinema System for Admin

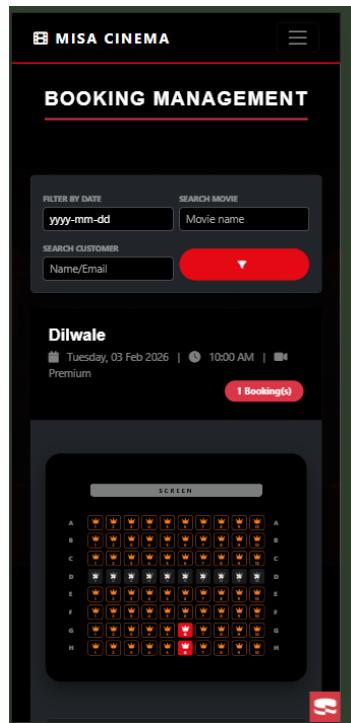


Figure 69: View of Booking Management Misa Cinema System for Admin

A screenshot of the Customer Management interface for the Misa Cinema system. At the top, there's a header with the Misa Cinema logo and a navigation menu icon. Below the header is a search bar with the placeholder 'Search by Name or Email' and a magnifying glass icon. The main content area is a table titled 'CUSTOMER MANAGEMENT' with three columns: 'NAME', 'PHONE', and 'ACTIONS'. The table lists ten customer entries with their names and phone numbers, followed by edit and delete icons in the 'ACTIONS' column. At the bottom of the table are navigation arrows and a small red square icon.

NAME	PHONE	ACTIONS
Amar Zikri	+60123456789	
Imamul Haq	+60169611442	
Imamul Haq	+60178436055	
Amirul Haikal	+601137693547	
Shazwan Roszaman	+60198629985	
Amirah Aishah	+60177172096	
Nur Izayati Shah	+601114210736	
Naim	+60196880890	
Amir Ajmal	+60174884564	
Abu	+60123456789	
Iham Kammil	+60176869031	

Figure 70: View of Customer Management Misa Cinema System for Admin

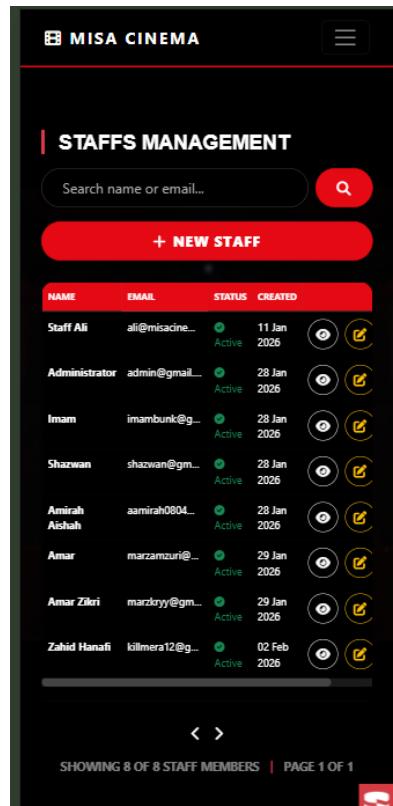


Figure 71: View of Staffs Management Misa Cinema System for Admin

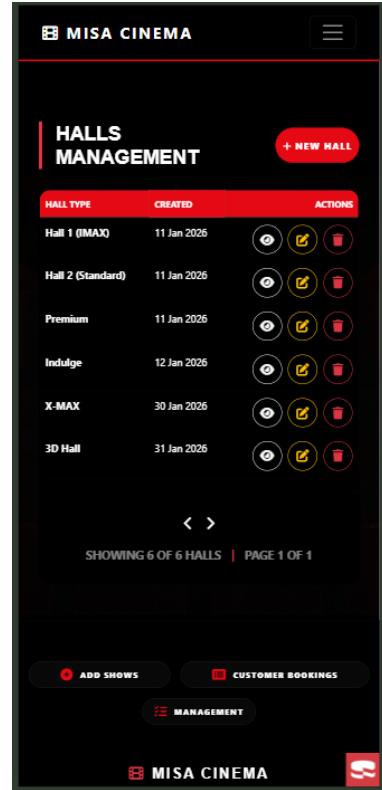


Figure 72: View of Halls Management Misa Cinema System for Admin

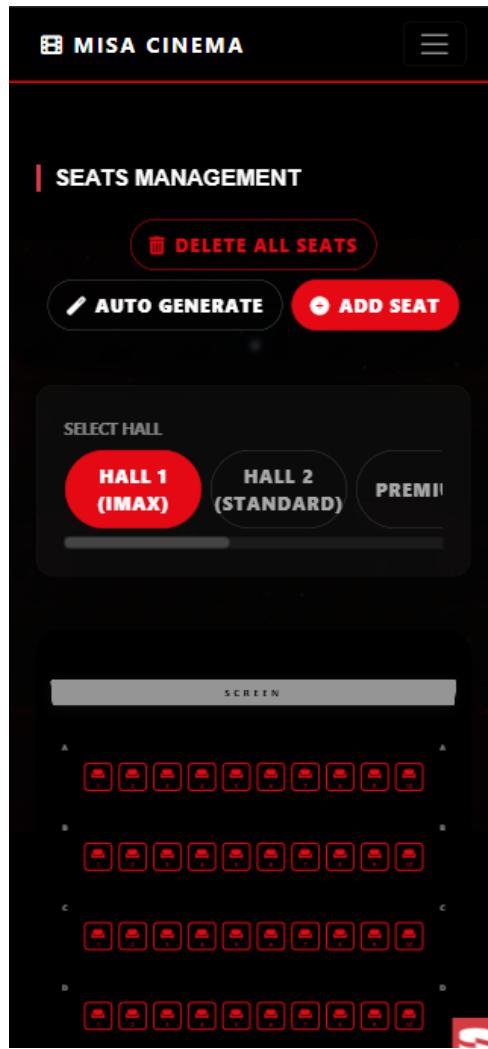


Figure 73: View of Seats Management Misa Cinema System for Admin

#### KEY RESPONSIVE FEATURES:

1. **Flexible Images:** Movie posters resize proportionally
2. **Touch-Friendly Buttons:** Larger tap targets on mobile (minimum 44px)
3. **Collapsible Sections:** Long content hides behind “Show More” on Mobile
4. **Swipes Gestures:** Movie carousel supports touch swiping
5. **Button Back to Top:** Apply to all desktop, mobile and tablet view

## 5.5 VISUAL FEEDBACK & MICRO-INTERACTIONS

To enhance user experience, the system implements various visual feedback mechanism:

### 5.5.1 BUTTON STATES

- **Hover:** Buttons change colour and may slightly elevate (shadow effect)
- **Active/Pressed:** Buttons darken to confirm the click
- **Disable:** Greyed out with reduced opacity

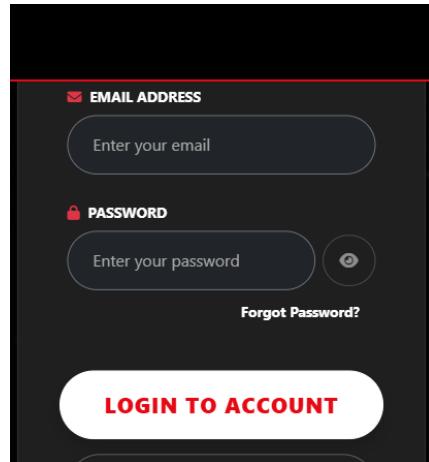


Figure 74: Buttons with hover

### 5.5.2 LOADING STATES

- Buttons show loading spinner during submission
- Skeleton loaders for content that is being fetched

### 5.5.3 SUCCESS/ERROR MESSAGES

- **Success:** Green flash messages at the centre of the page
- **Error:** Red flash messages with specific error description
- **Blue:** Blue flash message with specific done description

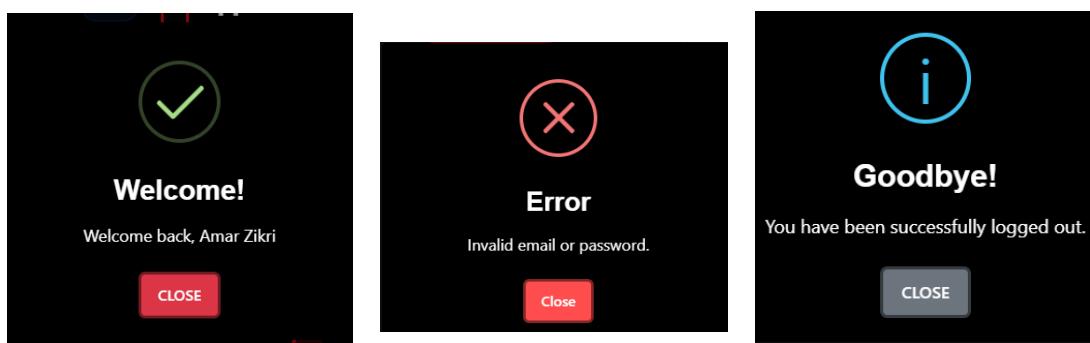


Figure 75: Success /Error Popup in Misa Cinema System

#### 5.5.4 SEAT SELECTION FEEDBACK

- **Available Seats:** Outline style, changes to filled on hover
- **Selected Seats:** Pulsing animation to confirm selection
- **Sold Seats:** Solid red, cursor changes to “not allowed”
- **Locked by Others:** Yellow with lock icon
- **Maintenance:** Greyed out with tools icon



Figure 76: Icons Seats After Hover



Figure 77: Icons Seats After Selected



Figure 78: Icons Seats After Reserved

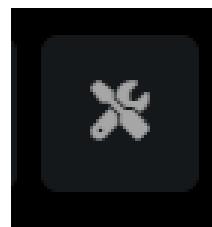


Figure 79: Icons Seats After Maintenance



Figure 80: Icons Seats After Booked

## 6.0 FEATURES & FUNCTIONALITIES (with screenshots)

### 6.1 CORE SYSTEM OVERVIEW

**Misa Cinema** is a comprehensive cinema management platform built on **CakePHP 4**. It is designed to handle the end-to-end flow of movie scheduling, ticket selling, and customer management with a focus on real-time data integrity and user experience.

### 6.2 USER ROLES & ACCESS CONTROL

The system distinguishes between two primary roles with distinct capabilities:

#### Customer (End-User)

- **Registration & Profile:** Users can create new accounts and manage their personal details such as changing phone number, username, email address and password.

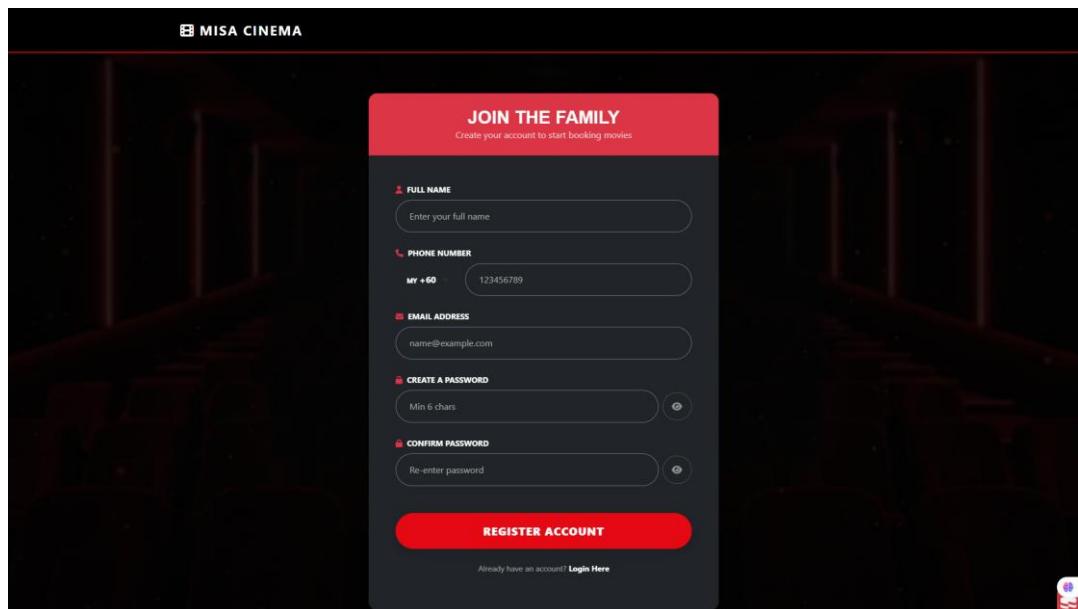


Figure 81: Registration Page

**Figure 82: Update Profile Page**

- **Password Change:** Users can change their password on the system according to their preference and the new password will reflect on the database upon updating the profile.

**Figure 83 Password Change**

- In the database, the passwords are encrypted into unique phrases for security reasons. For this customer, **Amirul Haikal**, the old password is **123abc** or in the database it is **\$2y\$10\$8rV6BrbUzbSKcjIdDvcFAObKrUj6tTV1LJRD5DKmVG LwSzz0IPipG**

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	55	Amirul Haikal	+601137693547	4mirul4ik4@gmail.com	NULL	1	1	NULL	NULL	NULL	2020-02-01 23:17:20	2020-02-02 13:12:02	NULL	NULL	\$2y\$10\$8rV6BrbUzbSKcjIdDvcFAObKrUj6tTV1LJRD5DKmVG LwSzz0IPipG
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	56	Shawarie Rozzaman	+60198928985	muahiszawie04@gmail.com	NULL	1	1	NULL	NULL	NULL	2020-02-01 23:19:20	2020-02-01 23:21:09	NULL	NULL	\$2y\$10\$4WuQoCnXN8L2hJhzu7kEd5qgtsJu4R8...
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	57	Amrah Asrah	+60177172095	amrah0054@gmail.com	NULL	1	1	NULL	NULL	NULL	2020-02-01 23:21:54	2020-02-01 23:27:56	NULL	NULL	\$2y\$10\$M2xntOULmmgQgQoQj0Aa.CE45mfCjYMo7TegyT...

**Figure 84: Password in the database before changing**

- After changing the password to **67mirul**, the new password reflects on the database to **\$2y\$10\$MOCo9q.TTOi408N3DTRjOhGHtwwiF8CTWps1j.FrZhBASaAvIXOW**

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	55	Amirul Haikal	+601137693547	4mirul4ik4@gmail.com	NULL	1	1	NULL	NULL	NULL	2020-02-01 23:17:20	2020-02-02 13:12:02	NULL	NULL	\$2y\$10\$MOCo9q.TTOi408N3DTRjOhGHtwwiF8CTWps1j.FrZh...
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	56	Shawarie Rozzaman	+60198928985	muahiszawie04@gmail.com	NULL	1	1	NULL	NULL	NULL	2020-02-01 23:19:20	2020-02-01 23:21:09	NULL	NULL	\$2y\$10\$4WuQoCnXN8L2hJhzu7kEd5qgtsJu4R8...
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	57	Amrah Asrah	+60177172095	amrah0054@gmail.com	NULL	1	1	NULL	NULL	NULL	2020-02-01 23:21:54	2020-02-01 23:27:56	NULL	NULL	\$2y\$10\$M2xntOULmmgQgQoQj0Aa.CE45mfCjYMo7TegyT...

**Figure 85: Password in the database after changing**

- **Booking Access:**

- Users can see their booking for upcoming shows and their booking history of past shows for reference purposes. From bookings page, they are also able to see the details of their booked films such as seats, hall and show time.

The screenshot displays the 'MY BOOKINGS' section of the MISA CINEMA website. At the top, there are tabs for 'ACTIVE TICKETS' and 'HISTORY TICKETS'. Below each tab is a table with columns: 'MOVIE DETAILS', 'SHOW DATE/TIME', 'AMOUNT', 'STATUS', and 'ACTIONS' (with a 'VIEW' button).

**ACTIVE TICKETS:**

MOVIE DETAILS	SHOW DATE/TIME	AMOUNT	STATUS	ACTIONS
Spongebob Movie: Search for Squarepants Hall 1 (IMAX)   S5-D6	Thu, 05 Feb 2026   10:57 PM Screen 01 Hall 0001, 1024 AM	RM 50.00	CONFIRMED	<a href="#">VIEW</a>
Trolls 3 3D Hall   C5-C8	Sat, 07 Feb 2026   09:26 PM Screen 02 Hall 0002, 1023 AM	RM 50.00	CONFIRMED	<a href="#">VIEW</a>
Dungeons & Dragons X-Rated 18+ D-10	Sat, 07 Feb 2026   09:12 PM Screen 02 Hall 0002, 1023 AM	RM 50.00	CONFIRMED	<a href="#">VIEW</a>
Top Gun X-Rated 18+ D-10	Fri, 06 Feb 2026   11:52 AM Screen 02 Hall 0002, 1022 AM	RM 70.00	CONFIRMED	<a href="#">VIEW</a>
Demon Slayer Kimetsu No Yaiba Horror E-13	Thu, 05 Feb 2026   02:02 PM Screen 02 Hall 0002, 1022 AM	RM 180.00	CONFIRMED	<a href="#">VIEW</a>
Top Gun Romance   16+ H-10	Wed, 04 Feb 2026   11:52 AM Screen 02 Hall 0002, 1021 AM	RM 60.00	CONFIRMED	<a href="#">VIEW</a>
Dilwale Love   Romance   16+ H-10	Tue, 03 Feb 2026   10:00 AM Screen 02 Hall 0002, 1020 AM	RM 40.00	CONFIRMED	<a href="#">VIEW</a>

**HISTORY TICKETS:**

MOVIE DETAILS	SHOW DATE/TIME	AMOUNT	STATUS	ACTIONS
Zootopia 2 Family 16+ H-10	Mon, 12 Feb 2026   10:00 AM Screen 02 Hall 0002, 1020 AM	RM 70.00	SUCCESSFUL	<a href="#">VIEW</a>

Figure 86: Bookings Page

The screenshot shows the detailed view of a booking for 'SPONGEBOB MOVIE: SEARCH FOR SQUAREPANTS'. The movie poster is displayed on the left, and the booking details are on the right.

**SPONGEBOB MOVIE: SEARCH FOR SQUAREPANTS** CONFIRMED  
ID: PNC-00211

**Cinema Hall:** Hall 1 (IMAX)  
**Date (Movie):** Thursday, 05 Feb 2026  
**Show Time:** 10:57 PM  
**Seat Number:** D5 [STANDARD], D6 [STANDARD]

**DIGITAL E-TICKET**  
Scan or click here to view or download your e-ticket.  
MISA CINEMA official.

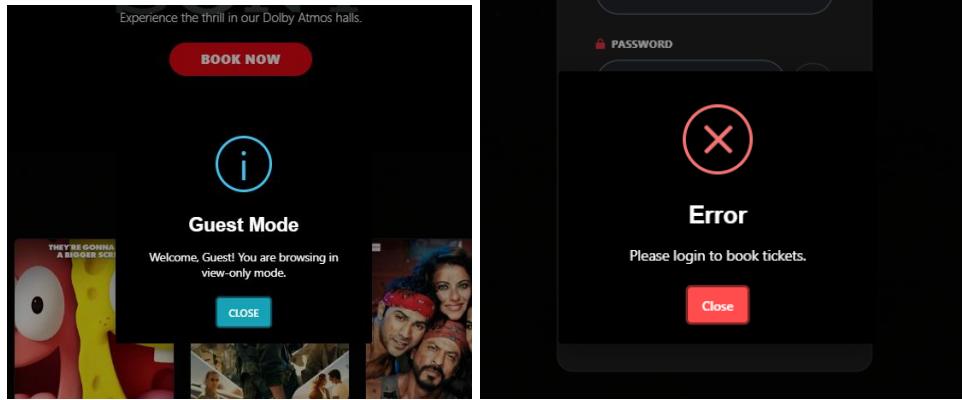
Total Cost: RM 50.00

[DOWNLOAD PDF TICKET](#)

At the bottom, there are navigation links: 'NOW SHOWING', 'MY BOOKINGS', 'MY PROFILE', and social media links for Facebook, Instagram, and Twitter.

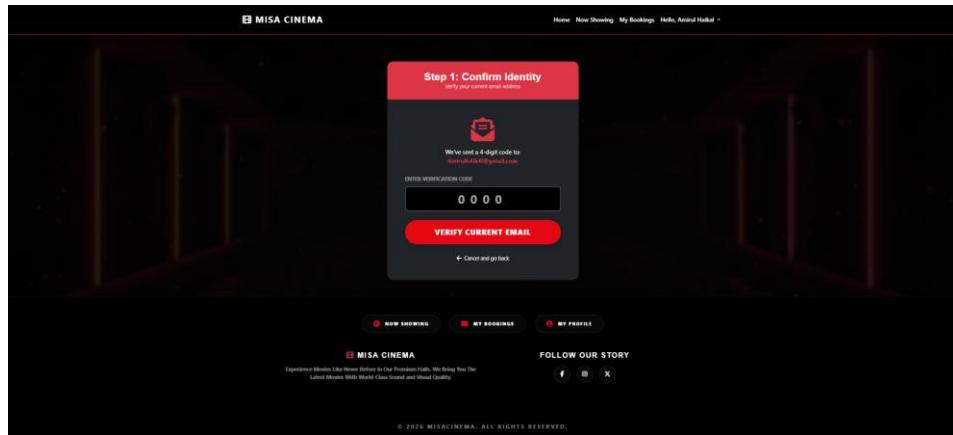
Figure 87: Bookings Details

- **Requirement:** Login is strictly required to book tickets. Guests are restricted to view-only mode which means they can only browse at the homepage. If any attempt of booking will be blocked. A popup will display indicating that only verified users can proceed with booking process

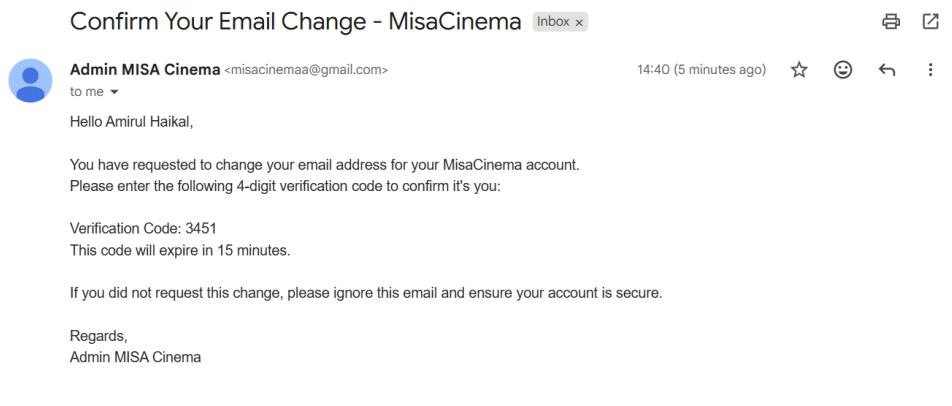


**Figure 88: Guest Mode Pop Ups**

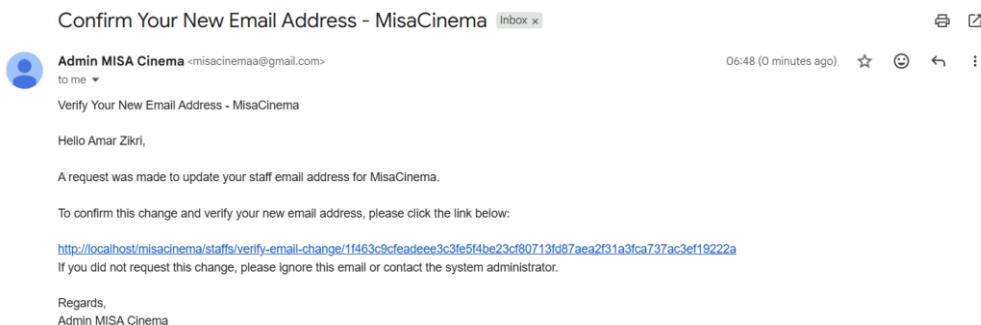
- **Security Check:** 2-Step Verification (OTP) for sensitive account changes like email updates, for new users creating an account. A unique four-digit code will be sent to their old email for verification before entering new email. Whereas for the staff, an email change link will be sent to them to their new email address.



**Figure 89: OTP Verification Page (Current Email)**

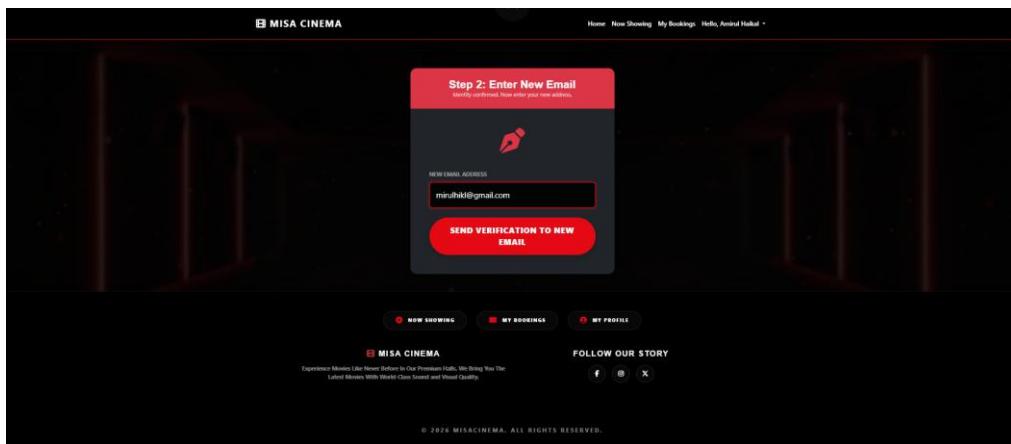


**Figure 90: Email Change Request Email (Customers)**

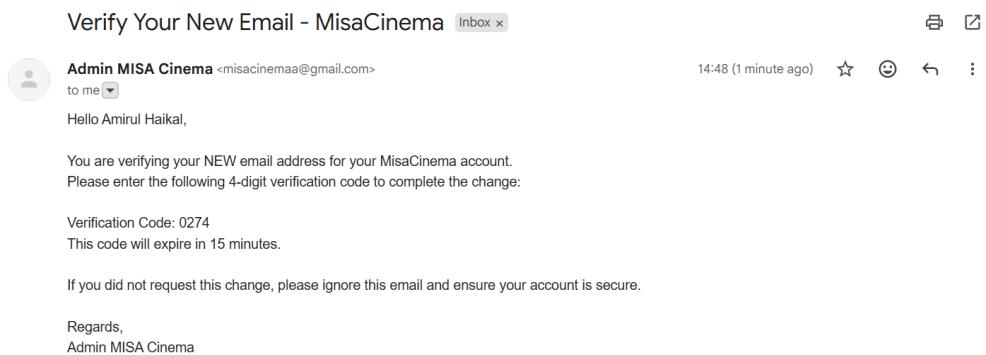


**Figure 91: Email Change Request (Staff)**

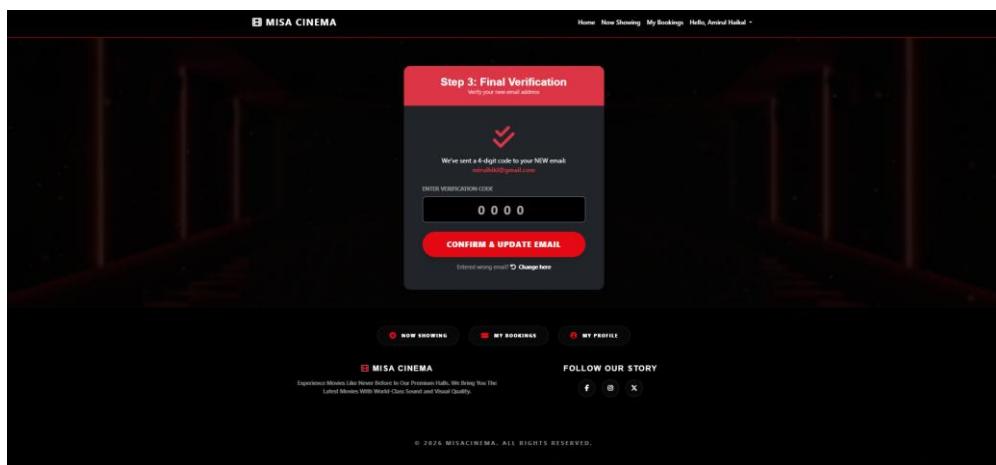
- After entering new email address, a verification email will be sent to the new email address to verify the new email address containing four-digit code that the user must put in correctly.



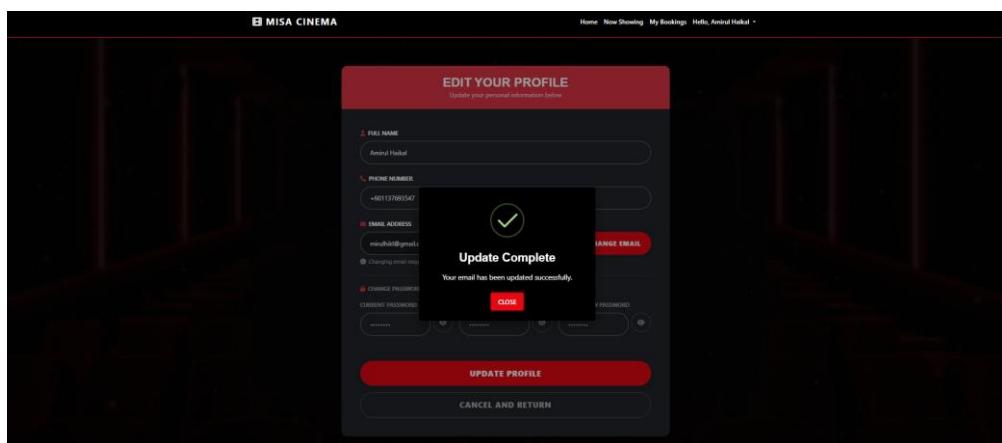
**Figure 92: Email Change Verification Page**



**Figure 93: New Email Verification**

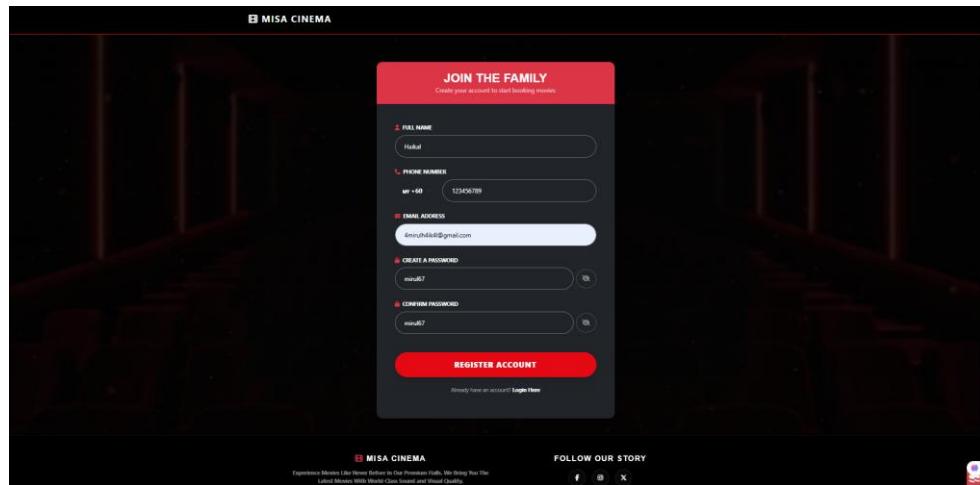


**Figure 94: OTP Verification Page (New Email)**



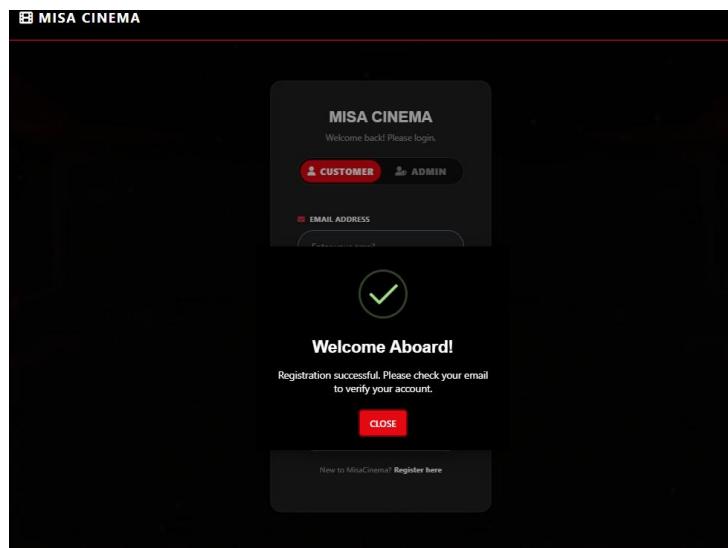
**Figure 95: Email Change Successful**

- Different for the new user, a verification link will be sent to them on their email address that they filled in



**Figure 96: New User Register Page**

- A pop up will be displayed upon successful registration showed that an email has been sent to their email address for verification.



**Figure 97: Registration Successful Pop Up**

- Inside the email, there is a verification link that the user or staff must click to proceed with the registration process.

Verify Your Account - MisaCinema [Inbox](#)  

**Admin MISA Cinema** <misacinemaa@gmail.com>  
to me ▾

Hello Haikal (Customer),

Thank you for registering with MisaCinema! Please use the link below to verify your email address and activate your account:

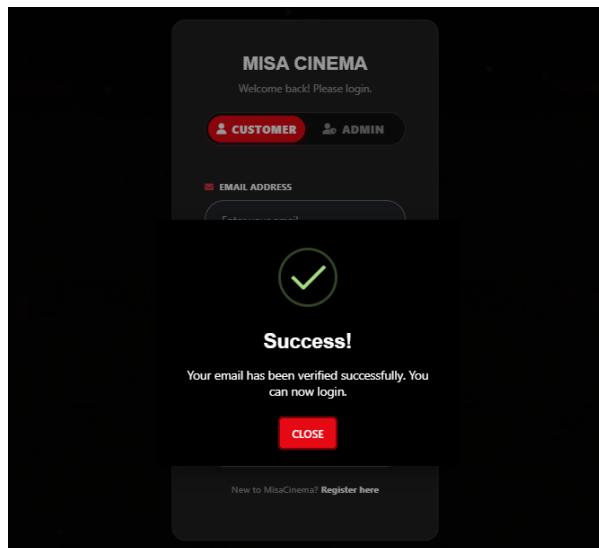
<http://localhost/misacinema/misacinema/customers/verify-email/83bef02a99225e0878415afbc9a6e32eae3c73410231162c61bc635976cb90b6>

If you did not create an account, no further action is required.

Regards,  
Admin MISA Cinema

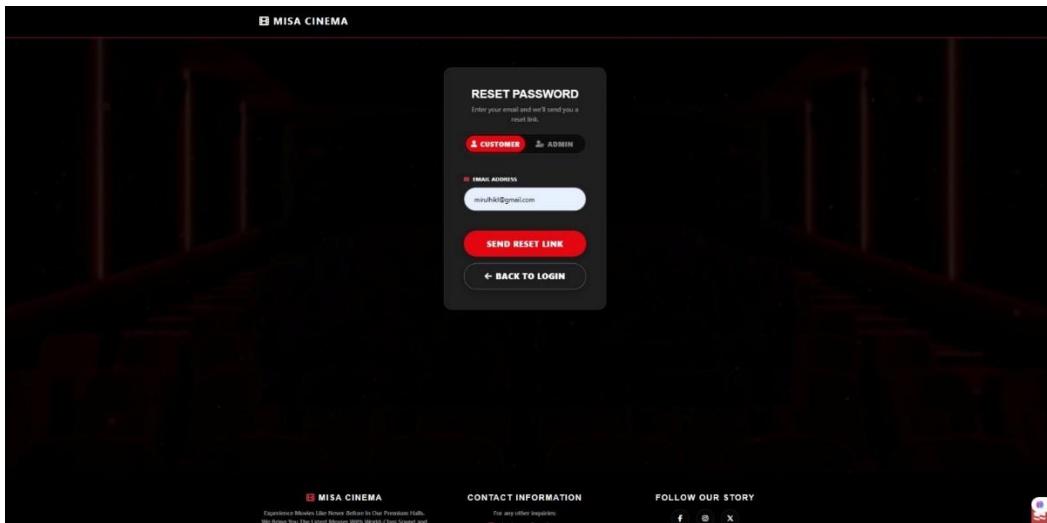
**Figure 98: Verification Email (New User/Staff)**

- The link will redirect to the system again and a pop up will be displayed indicating email verification is successful. From here, the user or staff can access the system.



**Figure 99: Email Verification Pop Up**

- If a user forgets their credentials, they can initiate a recovery request. The system verifies the registered email address and sends a secure, time-sensitive reset link. This ensures that password changes are only authorized by the actual account owner, preventing unauthorized access.



**Figure 100: Reset Password**

Password Reset Request (Customer) - MisaCinema Inbox x

 Admin MISA Cinema <misacinema@gmail.com>  
to me ▾

06:34 (0 minutes ago) ☆ G

Hello Amirul Haikal (Customer),

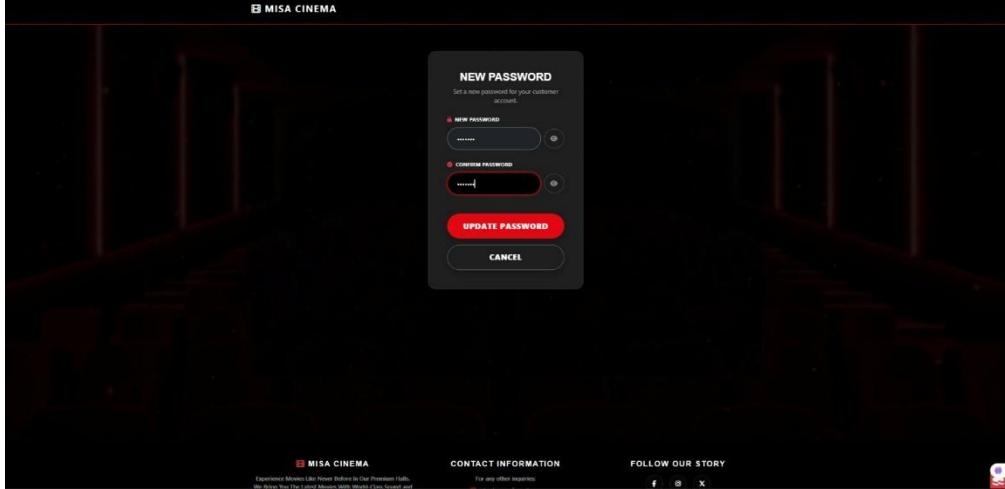
You have requested to reset your password for your customer account.  
Please click the link below to reset your password:

<http://localhost/misacinema/customers/reset-password/d61f5527293e6b1cb3f120872207a546fafa461dbdbd1d110162ae4166a16eb7?role=customer>

If you did not request this, please ignore this email.

Regards,  
Admin MISA Cinema

**Figure 101: Reset Password Email**



**Figure 102: Reset Password Confirmation**

### 6.3 ADMINISTRATOR

- **Dashboard:** When the staff log in, they will have a detailed dashboard that will give them an overview of the health of the cinema's operations. The interface summarizes the data to present the important analytics like the Total Revenue generated and Movie Popularity trends. These graphical displays allow the management to recognize the performance of the best movies and monitor the sales goal daily

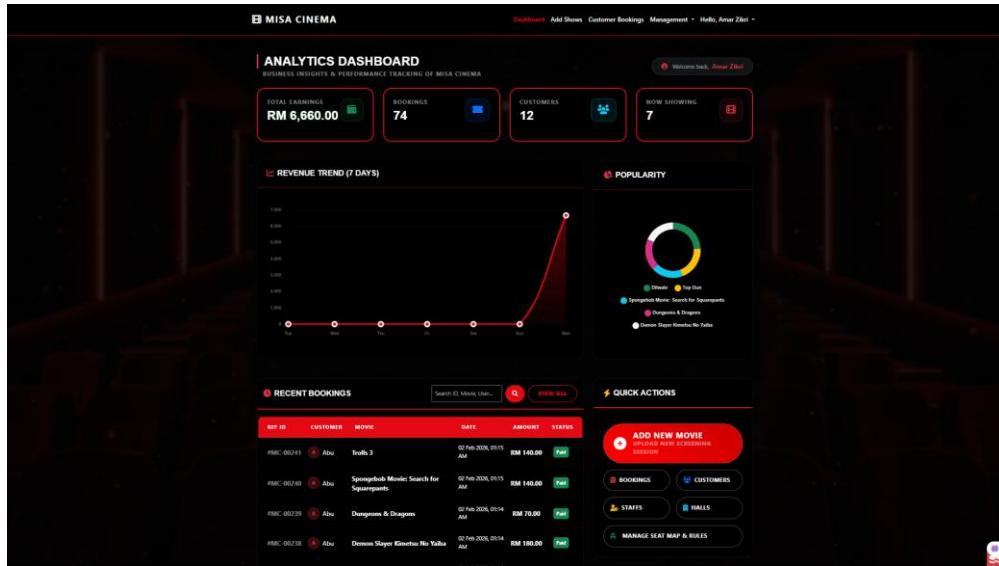


Figure 103: Misa Cinema Informative Dashboard

- **Movie Management:** This administrative feature allows authorized Staff to manage the cinema's schedule. Staff can Add new movies, edit existing details (such as showtimes or poster images), and Delete movies that are no longer showing. This ensures the website always displays up-to-date content for customers.

Figure 104: Movie Management Add Section

- New showtime that are successfully added a pop up will be displayed to indicate it. If the new show time overlaps with the existing showtime of any movie on the same hall, this error will come out

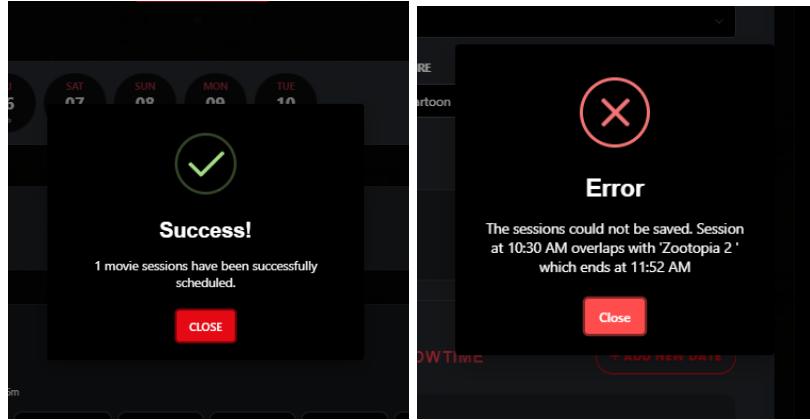


Figure 105: Movie Add Pop Up

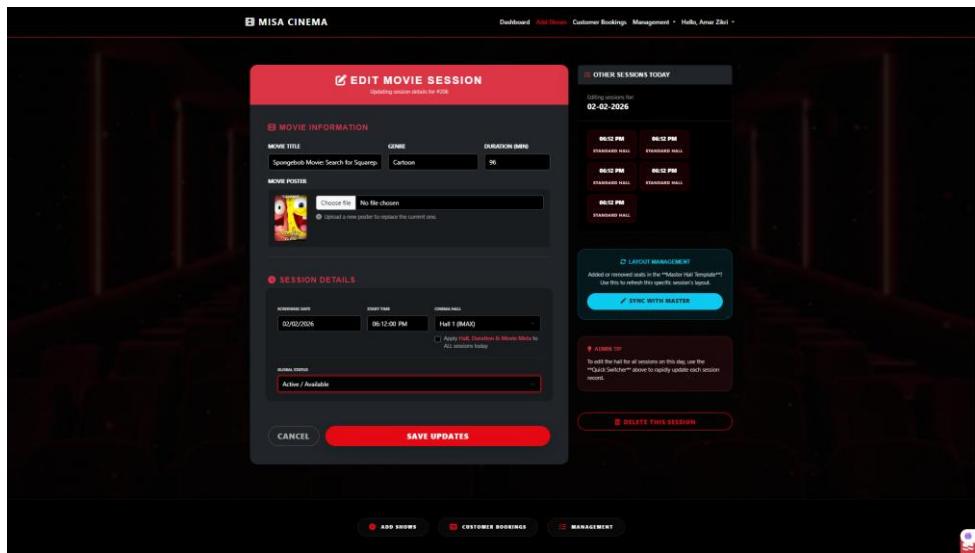
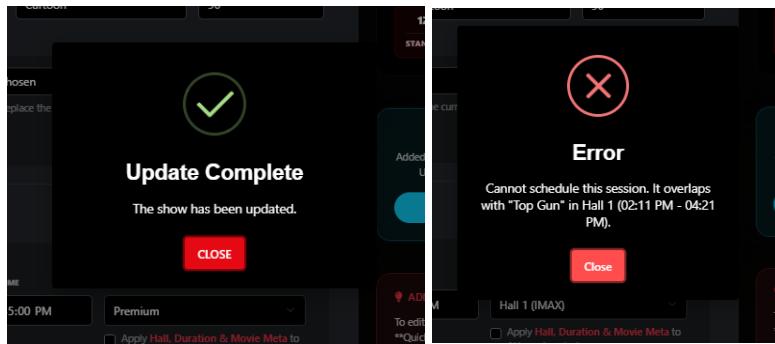


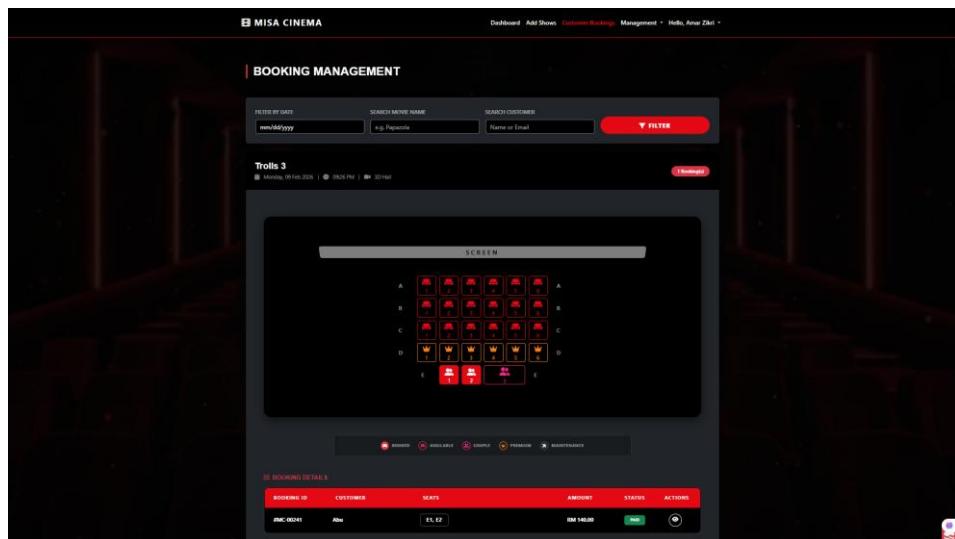
Figure 106: Movie Management Edit Section

- If the proposed new information such as showtime, show date or hall type did not overlap with any movie, this pop up will be displayed to show that the show has been successfully edited. But if any of those entities overlaps with any movie, an error pops up will be displayed instead showing what movie shows, show time and hall location of that movie overlaps.



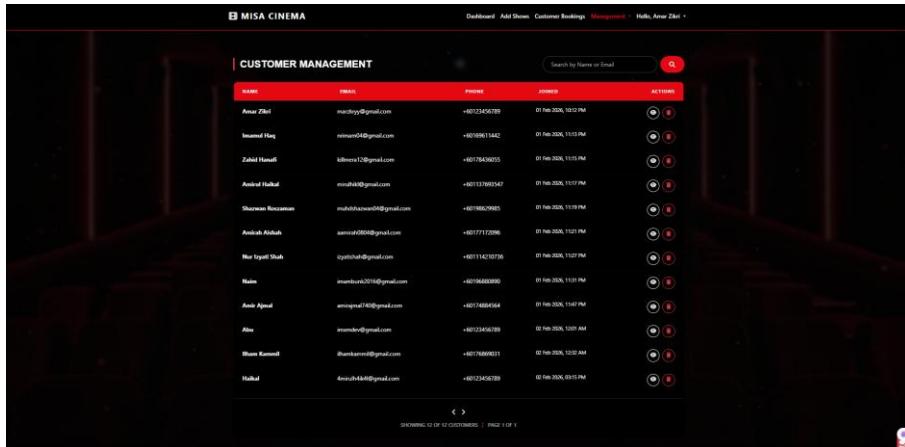
**Figure 107: Show Pop Ups**

- **Global Booking Management:** This module provides the staff with an overview of all the movie bookings made in the system. It gives all the bookings in the whole database and provides powerful filtering options, whereby the staff can instantly search and filter the records by Date, Customer Name or by Movie Title. This is necessary in the settlement of disputes by customers and in counter checking the validity of tickets at the counter



**Figure 108: Booking Management Section**

- **Customer Management:** This feature empowers staff to assist customers directly at the counter or via support. Staff can quickly locate a specific customer by searching for their Name or Email Address. Once the customer profile is found, the system allows the staff to view the customer's information such as name, email address, phone number and since when they had become a member of the cinema.



The screenshot shows a table titled "CUSTOMER MANAGEMENT" with 12 rows of data. The columns are labeled NAME, EMAIL, PHONE, JOINED, and ACTIONS. Each row contains a customer's name, email, phone number, joining date, and two circular icons for actions. The names listed are: Amor Zhai, Imran Haq, Zahid Hussell, Amril Halal, Shonan Rezwan, Amrah Akbar, Nur Iyati Shah, Naim, Amir Ajmal, Abu, Ilman Kurniati, and Halal.

CUSTOMER MANAGEMENT				
NAME	EMAIL	PHONE	JOINED	ACTIONS
Amor Zhai	marthzy@gmail.com	+60132456789	01 Feb 2024, 10:11 PM	(Edit) (Delete)
Imran Haq	riman04@gmail.com	+6016961142	01 Feb 2024, 11:13 PM	(Edit) (Delete)
Zahid Hussell	kilmont1@gmail.com	+60178436055	01 Feb 2024, 11:15 PM	(Edit) (Delete)
Amril Halal	minahhal@gmail.com	+60137693547	01 Feb 2024, 11:17 PM	(Edit) (Delete)
Shonan Rezwan	muhshonawali@gmail.com	+60186029895	01 Feb 2024, 11:19 PM	(Edit) (Delete)
Amrah Akbar	amrah0504@gmail.com	+60177123996	01 Feb 2024, 11:21 PM	(Edit) (Delete)
Nur Iyati Shah	iyatishah@gmail.com	+601142103796	01 Feb 2024, 11:27 PM	(Edit) (Delete)
Naim	naimshah2016@gmail.com	+60196600895	01 Feb 2024, 11:31 PM	(Edit) (Delete)
Amir Ajmal	amirajmal45@gmail.com	+60174894594	01 Feb 2024, 11:47 PM	(Edit) (Delete)
Abu	imradev@gmail.com	+60134567899	02 Feb 2024, 10:01 AM	(Edit) (Delete)
Ilman Kurniati	ilmankurniati@gmail.com	+60176899031	02 Feb 2024, 10:02 AM	(Edit) (Delete)
Halal	4minch4bb@gmail.com	+60132456789	02 Feb 2024, 10:15 PM	(Edit) (Delete)

Figure 109: Customer Management Section

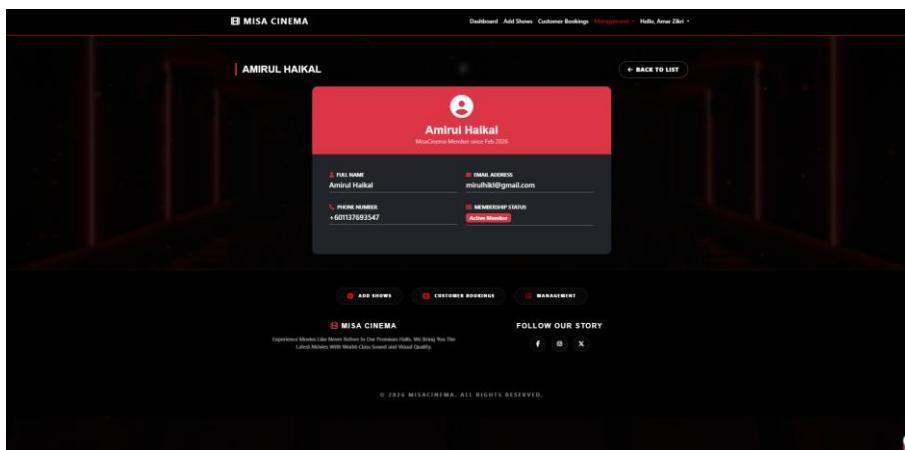


Figure 110: Customer Details

- **Staff Management:** This feature provides the administrator with full control over the cinema's workforce. The admin can view a complete list of all registered staff members, access detailed profiles to review their contact information or roles, edit their details (such as updating phone numbers or email addresses), and Delete staff accounts if an employee leaves the company.

The screenshot shows the 'STAFFS' section of the MISA CINEMA management interface. It displays a table of staff members with the following data:

Name	Phone	Email	Role	Status	Created	Actions
Staff Ali	0196705432	ali@misacinema.com	Manager	Active	11 Jan 2026	<span>Edit</span> <span>Delete</span>
Administrator	0000000000	admin@gmail.com	Manager	Active	28 Jan 2026	<span>Edit</span> <span>Delete</span>
Amna	0123456789	amna@email.com	Manager	Active	28 Jan 2026	<span>Edit</span> <span>Delete</span>
Shameem	0198276326	shameem@myemail.com	Manager	Active	28 Jan 2026	<span>Edit</span> <span>Delete</span>
Amna Akbar	0177172096	amnaakbar004@gmail.com	Manager	Active	28 Jan 2026	<span>Edit</span> <span>Delete</span>
Amar	+91723456789	amarkeemp@gmail.com	Manager	Active	29 Jan 2026	<span>Edit</span> <span>Delete</span>
Amar Ziai	+91723456789	amarziai@gmail.com	Manager	Active	29 Jan 2026	<span>Edit</span> <span>Delete</span>

Figure 111: Staff Management Section

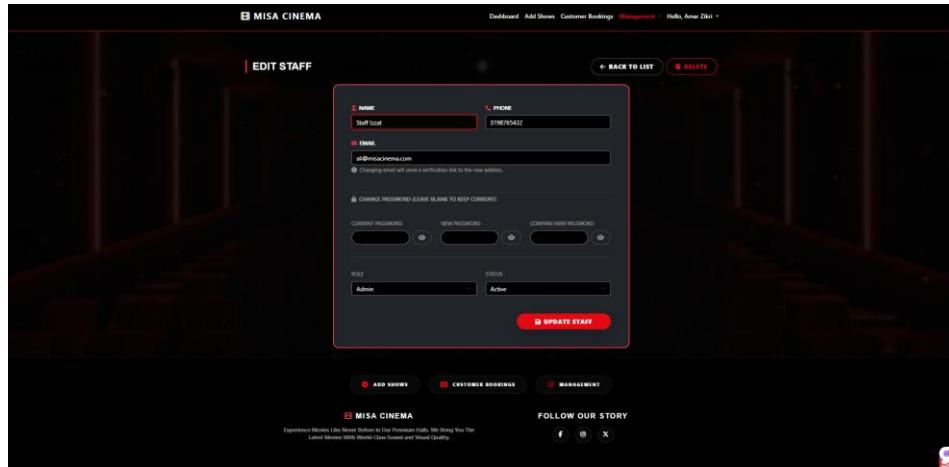
The screenshot shows the 'STAFF ALI' details page. The modal displays the following staff information:

NAME	Staff Ali
ROLE	Manager
EMAIL	ali@misacinema.com
PHONE	0196705432
STATUS	Active
CREATED	11 Jan 2026, 04:16 PM
MODIFIED	28 Jan 2026, 08:45 PM

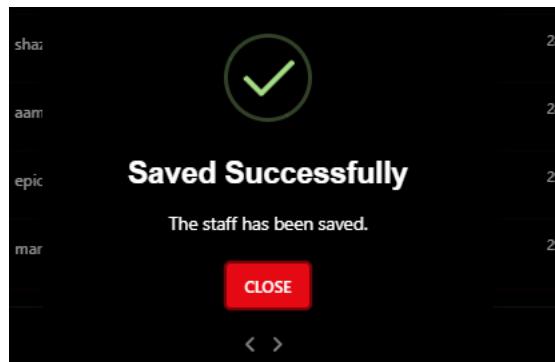
At the bottom right of the modal is a red 'DELETE STAFF' button.

Figure 112: Staff Details

- Upon successful completion of editing the staff's information, a pop up will be displayed as of below

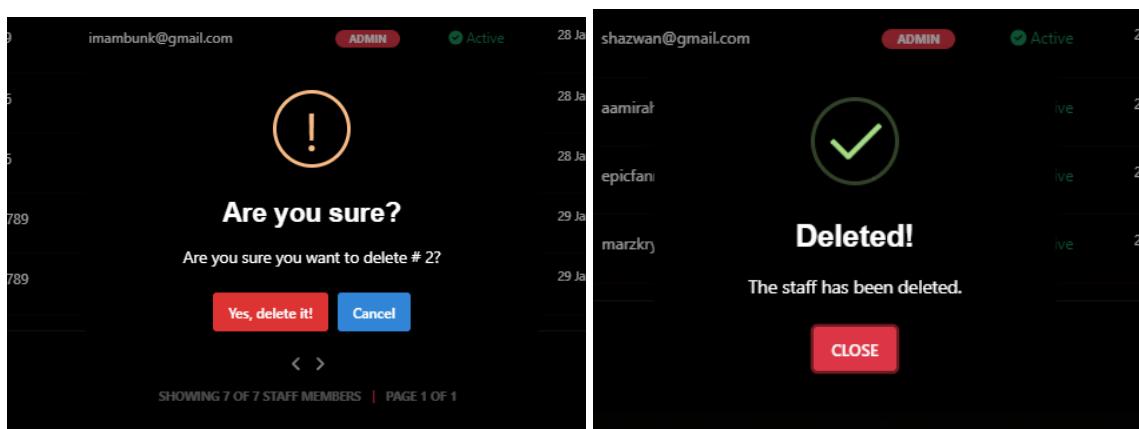


**Figure 113: Staff Editing Section**



**Figure 114: Staff Editing Pop Up**

- Before deleting staff, a pop up will be displayed to double confirm the request and after the deletion another pop up will come up confirming it.



**Figure 115: Staff Deletion Pop Up**

- Halls Management:** This module allows administrators to manage the physical cinema rooms. Admins can view a complete list of all halls to see details such as Hall Type (e.g., Standard, IMAX, Gold Class) and the specific Seat Types and Prices configured for each room. The system supports full management capabilities, allowing staff to Edit Hall configurations or Delete halls that are closed or under renovation

The screenshot shows the 'HALLS MANAGEMENT' section of the MISA CINEMA web application. The table lists the following information for six hall entries:

HALL TYPE	STATUS	CREATED	MODIFIED	ACTIONS
Hall 1 (IMAX)	Active	11 Jan 2026	11 Jan 2026	<span>Edit</span> <span>Delete</span> <span>Renew</span>
Hall 2 (Standard)	Active	11 Jan 2026	11 Jan 2026	<span>Edit</span> <span>Delete</span> <span>Renew</span>
Premium	Active	11 Jan 2026	11 Jan 2026	<span>Edit</span> <span>Delete</span> <span>Renew</span>
Indulge	Active	12 Jan 2026	12 Jan 2026	<span>Edit</span> <span>Delete</span> <span>Renew</span>
X MAX	Active	30 Jan 2026	30 Jan 2026	<span>Edit</span> <span>Delete</span> <span>Renew</span>
3D Hall	Active	31 Jan 2026	31 Jan 2026	<span>Edit</span> <span>Delete</span> <span>Renew</span>

Below the table, there are navigation arrows, a page count of 'DISPLAYING 6 OF 6 HALLS | PAGE 1 OF 1', and three buttons: 'ADD SHOWS', 'CUSTOMER BOOKINGS', and 'MANAGEMENT'. The footer includes the MISA CINEMA logo, social media links, and copyright information.

Figure 116: Halls Management

The screenshot shows the 'EDIT HALL' section of the MISA CINEMA web application. A modal dialog box is open, showing the following fields:

- HALL TYPE: Hall 1 (IMAX)
- STATUS: Active

At the bottom of the dialog is a red 'UPDATE HALL' button. Below the dialog, there are three buttons: 'ADD SHOWS', 'CUSTOMER BOOKINGS', and 'MANAGEMENT'. The footer includes the MISA CINEMA logo, social media links, and copyright information.

Figure 117: Edit Halls Section

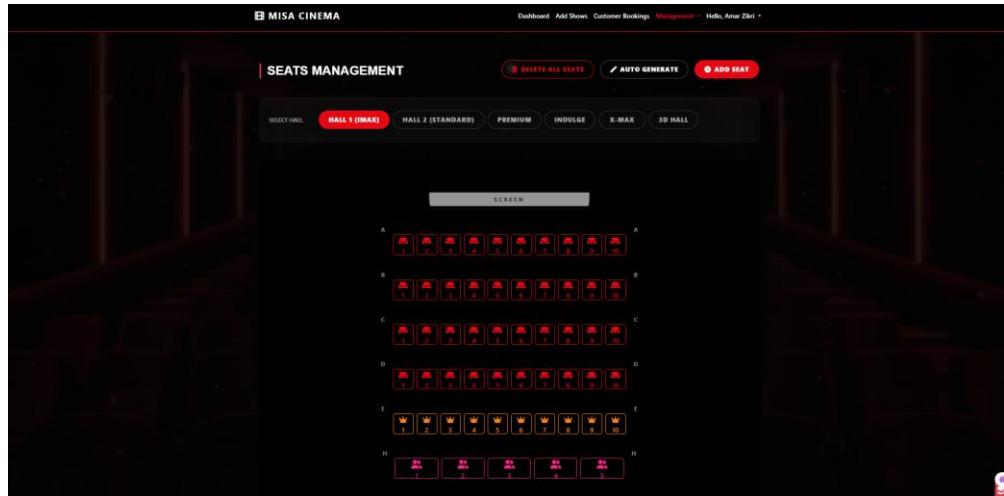
The screenshot shows the 'ADD NEW HALL' section of the MISA CINEMA web application. A modal dialog box is open, showing the following fields:

- HALL TYPE / NAME: e.g. Hall 1 (IMAX)
- STATUS: Active

At the bottom of the dialog is a red 'CREATE HALL' button. Below the dialog, there are three buttons: 'ADD SHOWS', 'CUSTOMER BOOKINGS', and 'MANAGEMENT'. The footer includes the MISA CINEMA logo, social media links, and copyright information.

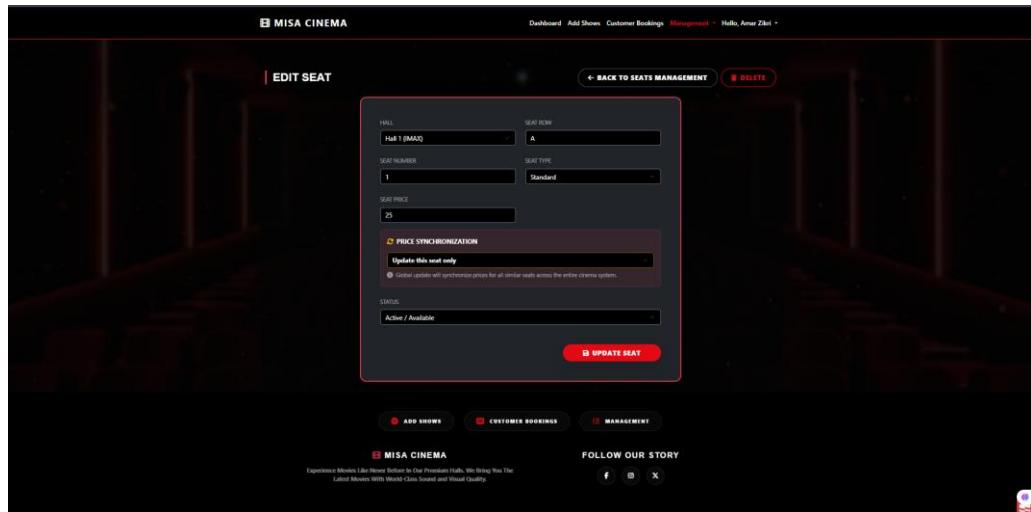
Figure 118: Add New Hall Section

- **Seat Management:** This tool gives administrators granular control over the seating inventory. Admins can view the **exact visual position** of every seat inside a specific hall. The system offers flexible editing options.

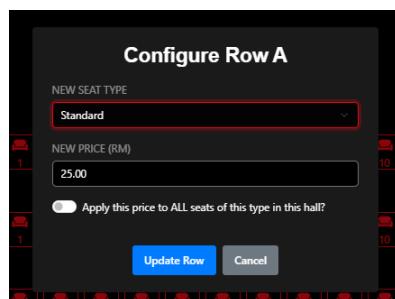


**Figure 119: Seats Management Section**

- Staff can click a specific seat to edit it individually or use the "Configure Row" function to update multiple seats in a single row at once (bulk editing)

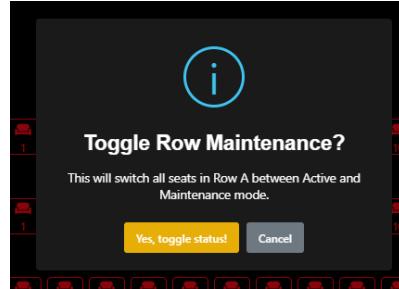


**Figure 120: Edit Seats Section**

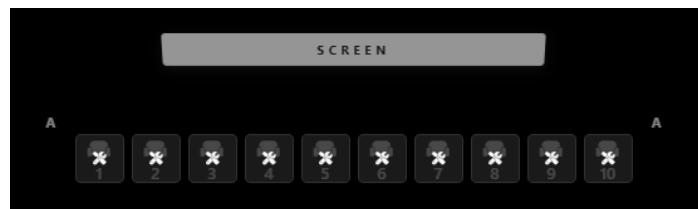


**Figure 121: Configure Row Pop Up**

- Additionally, the "**Toggle Row Maintenance**" feature allows admins to instantly block off an entire row for repairs or social distancing, ensuring those seats appear as unavailable to customers during the booking process



**Figure 122: Toggle Row Maintenance Pop Up**

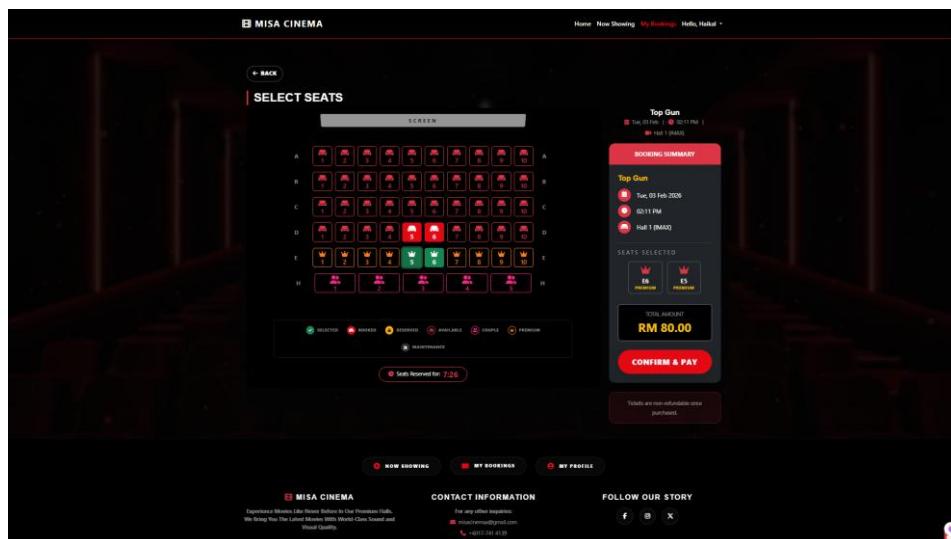


**Figure 123: Row Maintenance Display**

#### 6.4 BOOKING & TICKETING FEATURES

The booking engine is the core component, featuring advanced logic to prevent conflicts and ensure a smooth user experience.

- The system renders a dynamic Visual Seat Map that distinguishes between seat categories (e.g., Standard, Gold, Couple) using different icons or colours. To ensure a smooth booking experience, the system features Live Status Indicators to clearly show Available, Sold, and Locked seats.



**Figure 124: Seats Selection**

- Crucially, it implements a Seat Locking mechanism: once a user selects a seat, it is temporarily locked for 10 minutes to prevent other users from booking it simultaneously, effectively handling race conditions during high-traffic periods.
- Automated Pricing & Discounts:

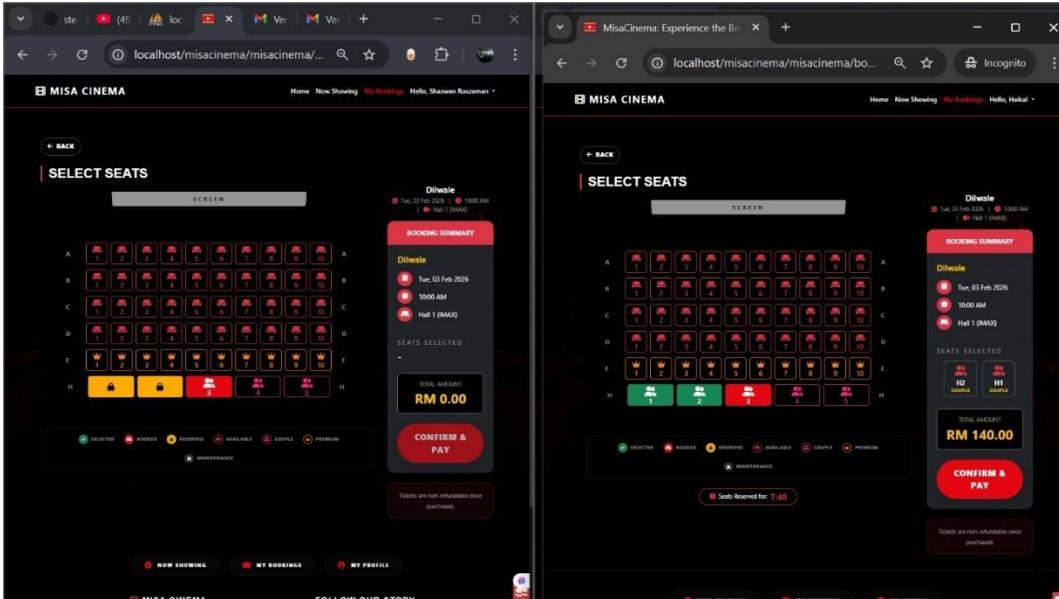


Figure 125: Seat Locking Simulation

- **Seat Types:** Different price points for Standard, Gold, and Couple seats.

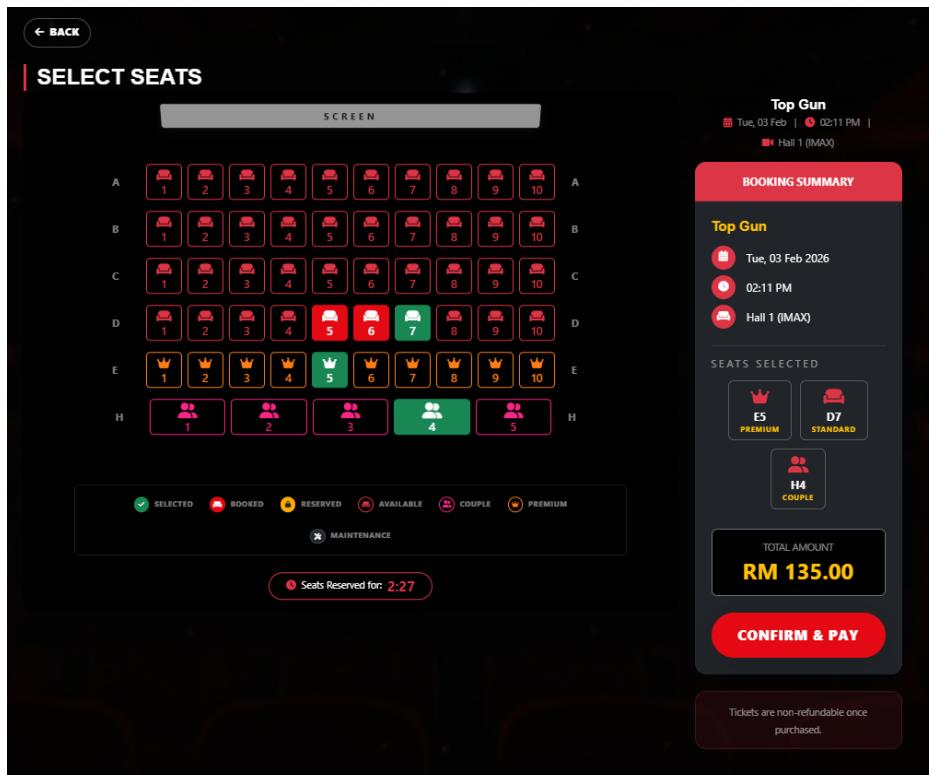
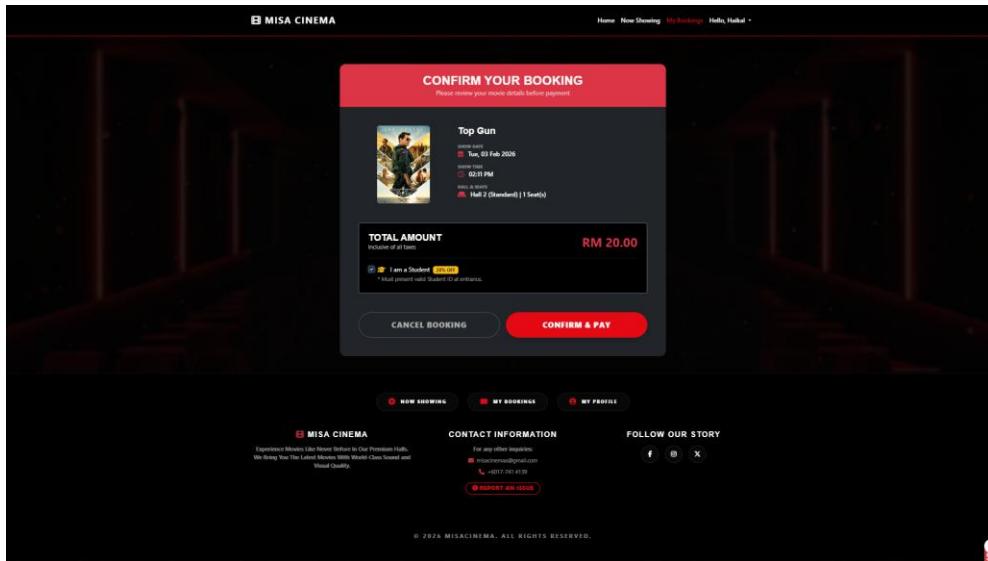


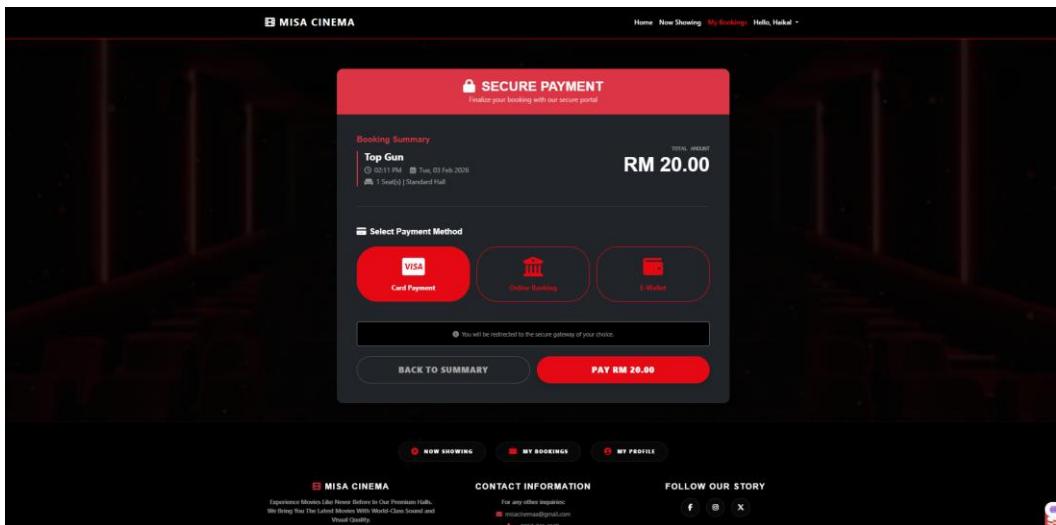
Figure 126: Booking Simulation

- **Student Discount Conditional Logic:** The system incorporates a smart pricing engine designed to support student affordability. The logic automatically detects eligibility based on the showtime: if a booking is made for a Monday–Friday show starting before 6:00 PM, the system triggers the discount. This benefit is strictly applicable to Standard seats and automatically deducts 20% from the ticket price at checkout, eliminating the need for manual voucher codes.



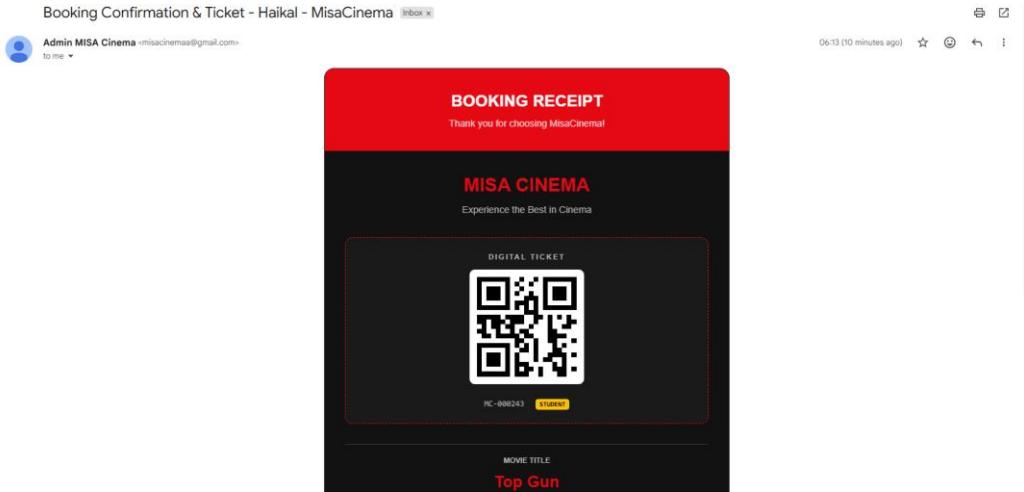
**Figure 127: Student Price Confirmation**

- **Payment Integration & Digital Ticketing**
- The system ensures a seamless checkout experience by integrating a secure payment gateway that supports **Online Banking (FPX)**.



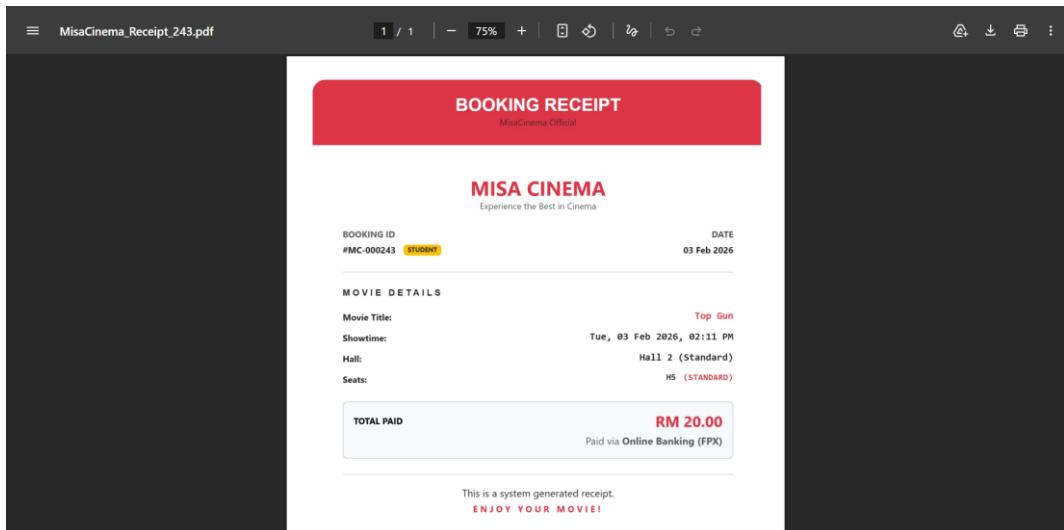
**Figure 128: Payment Gateway**

- Upon validating the transaction, the system immediately generates a **Digital Ticket** with a unique Booking ID to prevent fraud. Simultaneously, a confirmation email containing the e-ticket is automatically sent to the customer



**Figure 129: Booking Confirmation Email**

- A professional **PDF Receipt** is made available for download directly from the website as proof of purchase.



**Figure 130: Booking Receipt in PDF**

## 6.5 TECHNICAL SPECIFICATIONS

- **Development Framework:** The system will be developed on the CakePHP 4.x, which is a contemporary PHP framework based on the Model-View-Controller (MVC) architectural design. The framework was selected due to its fast development features and in-built tools. The use of PHP 7.4+ allows the application to work with better performance speeds, better type safety, and it has a responsive backend that effectively supports many concurrent user requests.
- **Database Management:** The system uses MySQL as a relational database management system to store its data. This structure is used to support the complex entity relationships, as outlined in the ERD (e.g., Customer-Bookings-Seats). It enables effective querying, transactional integrity at the time of booking, and solid data storage of all the activities in the cinema.
- **Security Implementation**
  - **Cross-Site Request Forgery (CSRF) Protection:** The system has automatic CSRF protection middleware. This is to make sure all forms (logins, bookings, payments) contain a security token, and malicious attacks in which an unauthorized command is sent by a trusted user of the web application do not happen.
  - **Session-Based authentication /RBAC:** The access control is administered by means of Role-Based Access Control (RBAC). The system is differentiated between Customer and the Staff/Admin roles using secure session data. This will only allow the authorized personnel to access sensitive modules such as the Movie Management or Sales Reporting module whereas customers are only allowed to access the front-end booking interface.
  - **Input Checking and SQL Injection Security:** The system uses the Object-Relational Mapping (ORM) provided by CakePHP to protect the database. The ORM cleanses the data automatically and utilizes prepared statements in all queries to the database. This forms a strong shield against SQL Injection attacks, and so the malicious code cannot be added to the database via input fields such as the search bar or the login form.

## 7.0 WORKFLOW OF FORM

This section illustrates the Create, Read, Update, Delete (CRUD) operations for key entities in the system using the Movies module as an example.

### 7.1 CREATE (ADD MOVIE)

1. Admin clicks “Add Movie” button
2. Fills in movie details (Title, Duration, Genre, Showtime, Show Date, etc)
3. Uploads movie poster
4. Clicks “Save”
5. System validates input and saves to database
6. Redirect to movie list with success message

The screenshot shows a dark-themed web form titled "ADD SHOWS" with a red header bar containing the title and a sub-instruction "You Can Add Multiple Shows In Minutes". The main area is divided into sections: "MOVIE INFORMATION" (with a dropdown menu "PICK EXISTING MOVIE (FASTER)" showing "Create New or Select"), "MOVIE TITLE" (input field), "GENRE" (input field), and "DURATION (MIN)" (input field). Below this is a "MOVIE POSTER" section with a file upload input ("Choose file") showing "No file chosen" and a note "Upload a new poster (JPG, PNG)." A "DATE" input field shows "yyyy-mm-dd". To the right is a "SESSIONS & HALLS" section with dropdown menus for "SESSIONS" and "HALLS", and a "Select Hall" dropdown. A red "PROCESS ALL SESSIONS" button is at the bottom, along with a "BACK TO SCHEDULE" link.

Figure 131: Form to Add Shows (Admin)

## 7.2 READ (VIEW MOVIE)

1. Admin navigates to Movies > Index
2. System retrieves all movies from database
3. Display movies in a grid/list format

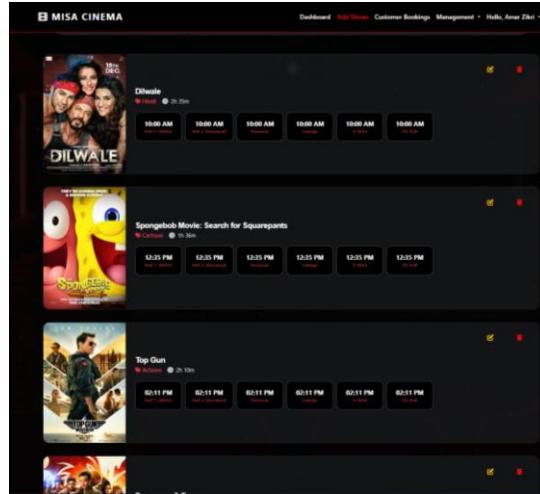


Figure 132: Index Shows for Admin

## 7.3 UPDATE (EDIT MOVIE)

1. Admin clicks "Edit" button on a movie
2. System loads existing movie data into form
3. Admin modifies desired fields
4. Click "Save"
5. System validates and updates database
6. Redirect with success message

A screenshot of the 'Edit Movie Session' form. The form is divided into two main sections: 'MOVIE INFORMATION' and 'SESSION DETAILS'. In the 'MOVIE INFORMATION' section, there are fields for 'MOVIE TITLE' (Dilwale), 'GENRE' (Hindi), and 'DURATION (MIN)' (155). Below this is a 'MOVE POSTER' section with a placeholder for a file upload. In the 'SESSION DETAILS' section, there are fields for 'SCREENING DATE' (2026-02-03), 'START TIME' (10:00:00 AM), 'CINEMA HALL' (Hall 1 (MAX)), and a checkbox for 'Apply Hall, Duration & Movie Meta to All sessions today'. At the bottom of the form are 'CANCEL' and 'SAVE UPDATES' buttons.

Figure 133: Form of Edit Shows for Admin

## 7.4 DELETE (REMOVE MOVIE)

1. Admin clicks “Delete” button
2. System prompts for confirmation
3. Upon confirmation, record is removed
4. Redirect to index with success message

## 7.5 PROCESS WORKFLOWS (DIAGRAM)

### 7.5.1 BOOKING PROCESS WORKFLOWS

This flow involves obtaining data from Customer, Shows, Halls, Seats, and creating records in Bookings, Tickets, and Payments

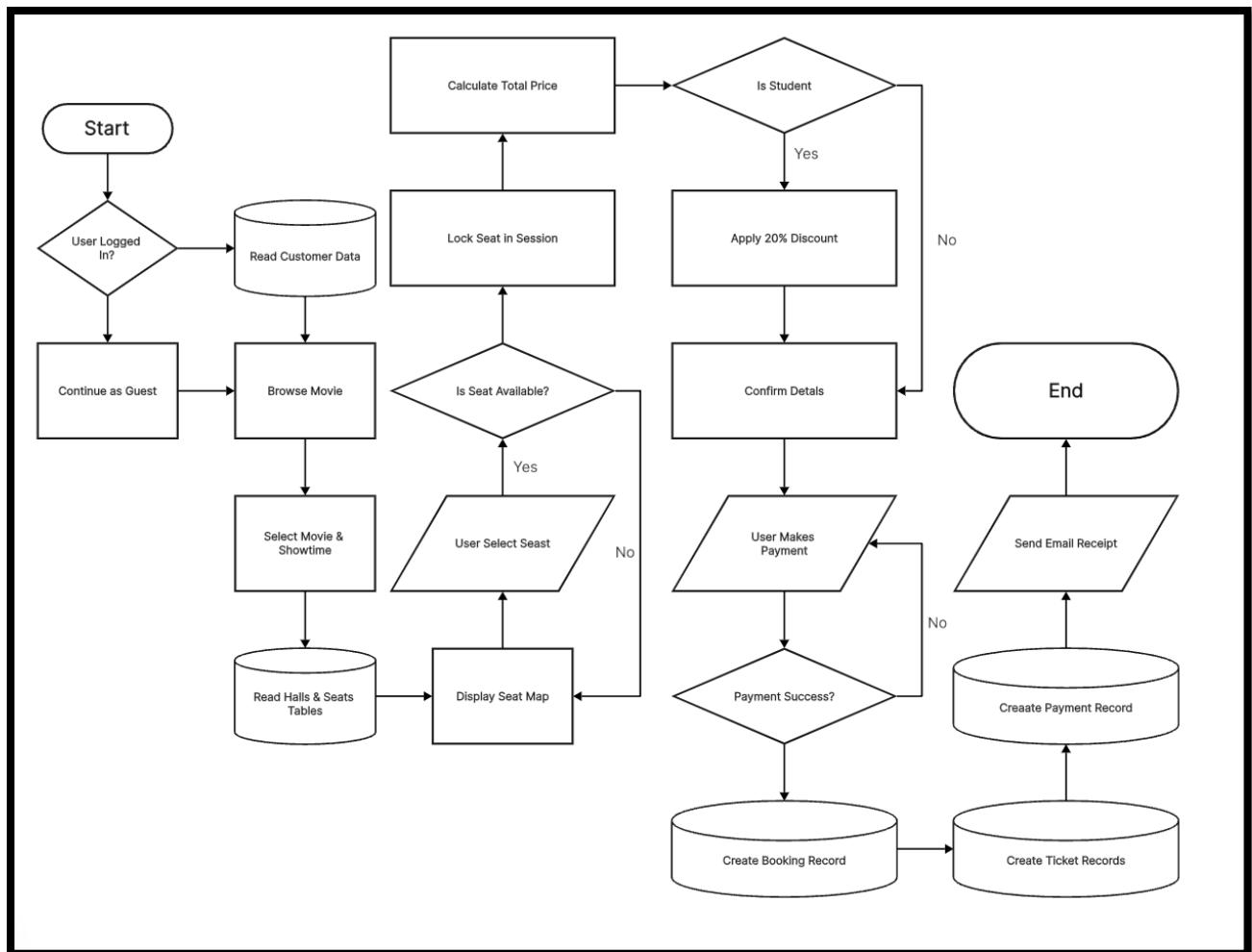


Figure 134: Workflows for Customer

### 7.5.2 REGISTRATION & LOGIN WORKFLOW

This flow interacts with Customers and Staffs tables

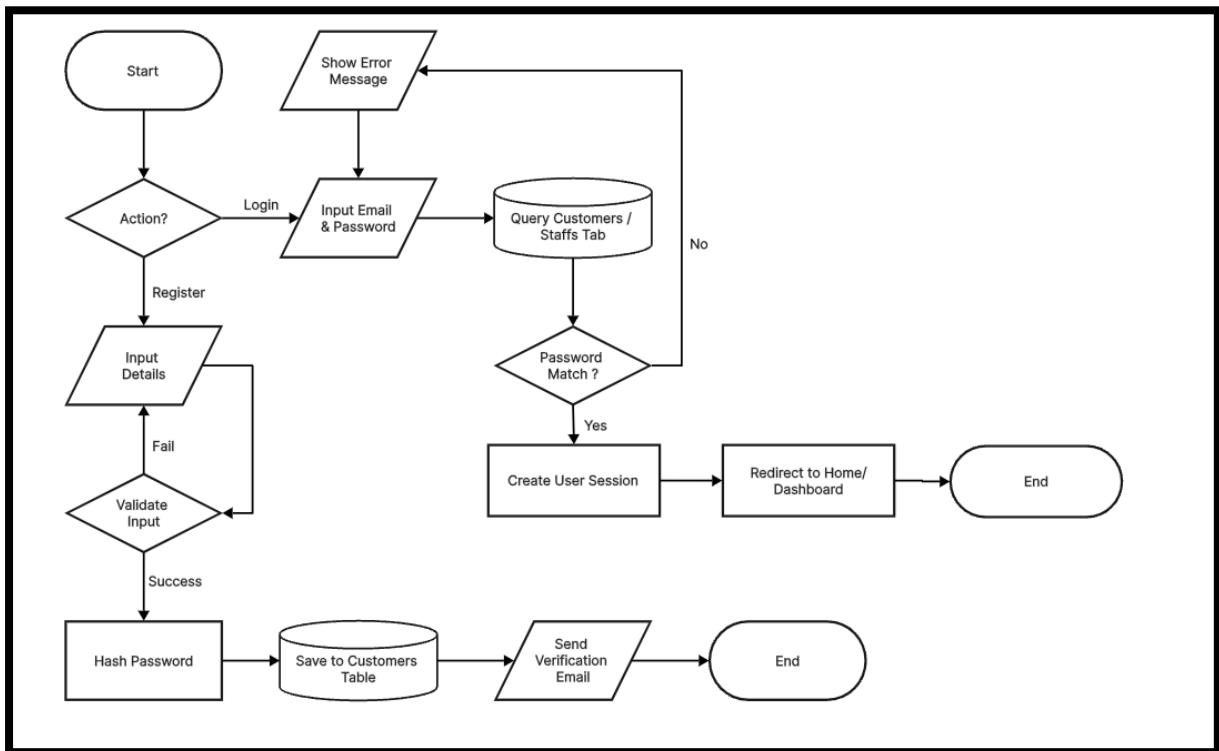


Figure 135: Workflows for Registration & Login

## 8.0 TEAM ROLES & CONTRIBUTIONS

### ORGANIZATION CHART

Our team separated work according to specialist responsibilities in web development and system design to ensure the MISA Cinema Booking System was developed successfully. Every participant contributed to the technical documentation and essential features needed for the IMS566 course.



Figure 136: Misa Cinemas Organization Chart

## **TEAM ROLES**

<b>POSITION</b>	<b>NAME</b>	<b>DESCRIPTION</b>
<b>PROJECT MANAGER</b>	<b>Muhammad Amar Zikri bin Zamzuri</b>	A project manager oversees supervising the planning, carrying out, and completing of the cinema system development. They specify project requirements, establish deadlines for milestones like the ERD, and oversee team resources to ensure the project is finished on schedule and in compliance with technical specifications.
<b>WEB DESIGNER</b>	<b>Muhammad Shazwan bin Roszman</b>	A web designer is a creative specialist in charge of the website's layout and visual appeal. They concentrate on creating an aesthetically pleasing and user-friendly interface for the booking gallery. By using a consistent colour scheme and typography that is suitable with the business, they ensure the interface offers a satisfying experience for users selecting movies and seats.
<b>WEB DEVELOPER</b>	<b>Nur Imamulhaq bin Anwarulhaq</b>	A specialist in the design, development, and upkeep of web applications. They make a responsive, functional website by utilizing programming languages like PHP and CSS. Their emphasis is on both front-end and back-end (server-side) development to manage the database relationships between <b>Shows</b> , <b>Bookings</b> , and <b>Payments</b> .
<b>CONTENT DEVELOPER</b>	<b>Amirul Haikal bin Haizar</b>	A content developer oversees developing and managing the material on the platform, such as movie data and ticket information. They ensure the textual and graphic content is in line with the brand voice while managing the project's technical documentation. Additionally, they conduct system testing to maintain the quality and impact of the final application.

## **TEAM CONTRIBUTIONS**

POSITION	NAME	KEY CONTRIBUTIONS
PROJECT MANAGER	Muhammad Amar Zikri bin Zamzuri	<p><b>Key Contributions:</b></p> <ul style="list-style-type: none"> <li>Defined project requirements and established PhpMyAdmin Database according to ERD to ensure a strong base before designing the website.</li> <li>Managed the <b>GitHub Repository</b> and supervised the integration of the <b>Staff</b> and <b>Customer</b> login modules.</li> <li>Conducted presentation of the system to IMS566 Lecturer, Dr. Muhammad Asyraf Bin Wahi Anuar for his oversight and opinions on improvement before submission.</li> </ul>
WEB DESIGNER	Muhammad Shazwan bin Roszaman	<p><b>Key Contributions:</b></p> <ul style="list-style-type: none"> <li>Created the site's aesthetic using professional typography and graphics suitable for a cinema brand highly inspired by local cinema brand such as Golden Screen Cinemas (GSC) and TGV.</li> <li>Designed the <b>interactive seat selection interface</b> and the visual layout for the <b>Hall</b> and <b>Seat</b> types.</li> </ul>
WEB DEVELOPER	Nur Imamulhaq bin Anwarulhaq	<p><b>Key Contributions:</b></p> <ul style="list-style-type: none"> <li>Developed the back-end logic for the <b>Booking</b>, <b>Ticket</b>, and <b>Payment</b> entities shown in the ERD.</li> <li>Implemented responsive functionality using PHP and MySQL to ensure the system runs well on various devices.</li> </ul>
CONTENT DEVELOPER	Amirul Haikal bin Haizar	<p><b>Key Contributions:</b></p> <ul style="list-style-type: none"> <li>Populated the database with specific movie data, including <b>genre</b>, <b>show times</b>, and <b>ticket prices</b>.</li> <li>Conducted testing to ensure content relevance and edited the final technical report to improve user experience.</li> </ul>

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

For any inquiries regarding the MisaCinema web application, including technical support, bug reporting, or system documentation assistance, please refer to the contact details below.

Primary Contact Person

**Name:** Muhammad Amar Zikri Bin Zamzuri

**Role:** Technical Support Lead & System Administrator

**Email:** marzkryy@gmail.com

**Mobile / WhatsApp:** +60 17-741 4139

**Support Availability** Our technical team is available to assist users during standard working hours to ensure system stability and user satisfaction.

**Operating Days:** All Days

**Operating Hours:** 10.00 AM – Show Time End (Malaysia Time)

**Response Time:** We aim to respond to all technical queries within 24 hours.

**Guidelines for Reporting Issues** To facilitate a faster resolution for technical, users are advised to follow these steps when contacting support:

**Subject Line:** Please use the format "[Bug Report] - Brief Description of Issue" in your email subject.

**Description:** Provide a step-by-step account of the actions taken before the error occurred.

**Screenshots:** Attach clear screenshots of the error message or the interface where the problem persists.

**Browser Info:** Confirm if the issue occurred on Google Chrome (the recommended browser for this system).

## **10.0 CONCLUSION & REFLECTION**

### **10.1 Conclusion**

MisaCinema web application project has been successfully created and implemented, which satisfies the major goal of the IMS566 course, which implies the implementation of the latest principles of the web design, content management, and system development. The project shows that the group could outline a real-life manual process which is the cinema ticketing system and convert it into an operational digital solution.

During the development process, the team was able to execute all the necessary technical requirements. This system is developed on top of a strong PHP back-end system which has guaranteed back-end efficiency, and frontend is based on responsive CSS architecture which has ensured a progressive User Interface (UI) and User Experience (UX) on various devices. The basic functionalities like Authentication (Login/Logout), extensive CRUD (Create, Read, Update, Delete) operations to manage the movies and dynamic Search/Filter features have been incorporated and tested to work effectively on Google Chrome.

In addition, the fact that the Data Export to PDF feature is successful is also a milestone as it enables users to create tangible evidence of their bookings and download it. Finally, MisaCinema is not only a requirement fulfilment but also witness to the competence of the team regarding the current web application development, database handling and problem solving.

## **10.2      Reflection**

The MisaCinema development gave the group a priceless experience to go through the entire Software Development Life Cycle (SDLC). The process provided a number of major learning outcomes and challenges that have led to our development as developers:

**Technical Competency & Problem Solving** one of the major problems that occurred was the introduction of PDF Export functionality. To transform dynamic HTML content (ticket details) into a downloadable PDF file, much research needed to be done on third-party libraries (including DomPDF). It was possible only through patience and detail that layout problems in the generated PDF could be tracked down. Besides, the creation of the Entity-Relationship Diagram (ERD) required a thorough planning method to make sure that the database would be normalized to avoid the redundancy of the data between the Movies, Users, and Bookings tables. These technical obstacles enhanced our PHP and SQL coding proficiency to a great level.

**Team Collaboration & Role Management** This project has brought to focus the element of communication and division of roles. Though the Technical Lead lead the technical development, the assistance of the team members in specifying the system requirements, building the UI workflow, and documentation preparation played an important role. The cooperation made sure that MisaCinema interface was user friendly and the logic of the backend was strong. We also bought to know that a successful software is not only concerned with writing code, but also with making sure that the code is written to meet the standard of users and documentation.

**Future Improvements** Taking a review of the final product, it is possible to improve it. Given additional time, the team would consider using a live seat-selection map with JavaScript and adding a real payment gateway API to model a full e-commerce transaction.

In general, the MisaCinema project has achieved the 50 percent course weightage requirement by providing an active, responsive and documented web application. The expertise gained in this project, including database design to frontend usability will be a major base in our future in the IT sector.

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