



**Hano CMS Documentation**

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# 1 - Introduction

This introduction provides an overview of the System Architecture Document for Hano CMS System. It includes the purpose, scope, target audience, design approach, main component design and high level system design considerations of the system.

## Document Scope and Purpose

This document provides a description of the technical design for Hano CMS System – Web Portal. This document's primary purpose is to describe the technical vision for how business requirements will be realized. This document provides an architectural overview of the system to depict different aspects of the system. This document also functions as a foundational reference point for developers.

Please note that this is a baseline document and may be updated as development progresses.

## Target Audience

This document is targeted (but not limited) to technical stakeholders:

- Development Team
- IT Management
- Support Staff

It is assumed that the reader has a technical background in software design and development.

## System Environment

- Development: Laravel – PHP framework
- Diagrams: Microsoft Visio 2007
- Database: MySQL
- Server: Hostinger Premium Web Hosting
- Server: Linux

## Design Approach

The design approach used here is based on the following:

## Data Flow Design

The data flow of the Hano CMS is Internet-based.

## Architecture Design

3-tier architecture design for Hano CMS System. The database management system (DBMS) architecture contains an Application layer between the user and the DBMS, which is responsible for communicating the user's request to the DBMS system and send the response from the DBMS to the user.

## UI Design

Laravel dashboard admin design with elements of Bootstrap, PHP, Java script, JQuery and CSS. Design that can easily customize and easy to expand in future.

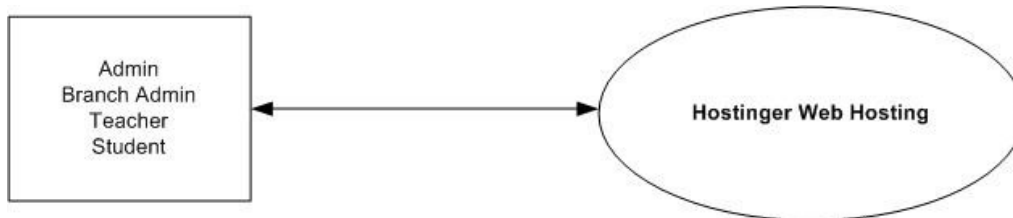
## Design Patterns

This application is designed as an object-oriented system for an Internet-based architecture using two-layer architecture by factoring application classes into the following layers:

**Client Application.** This is the layer where the physical window and widget objects live. It will also contain Controller classes as in classical MVC. Any new user interface widgets developed for this application are put in this layer. In most cases this layer is completely developed within Grails.

**Data Source layer.** The Hostinger Web hosting (source code and database).

## Hano CMS System High level View



## 2 - Modules

### Dashboard

- Display Total Students, Total Active Students, Total Stop Students and Total teacher.



### Flashcard


- To add, update or delete flashcard.
- To display/show flashcard for student.
- 5 levels of flashcard display:

#### ❖ Course

Course Name	Total Subjects	Updated At	Actions
课外读物	3	2 months ago	<a href="#">View Subjects</a>
华语	10	7 months ago	<a href="#">View Subjects</a>
Test/测试	3	6 months ago	<a href="#">View Subjects</a>
English	19	7 months ago	<a href="#">View Subjects</a>
Bahasa	8	7 months ago	<a href="#">View Subjects</a>

#### ❖ Subjects

[Back to List](#)




华语

- KBSR -
- KSSR -
- SEMAKAN -
- 红蜻蜓 -

#### ❖ Chapter

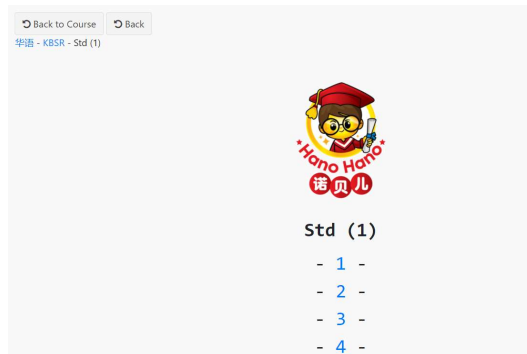
[Back to Course](#) [Back](#)



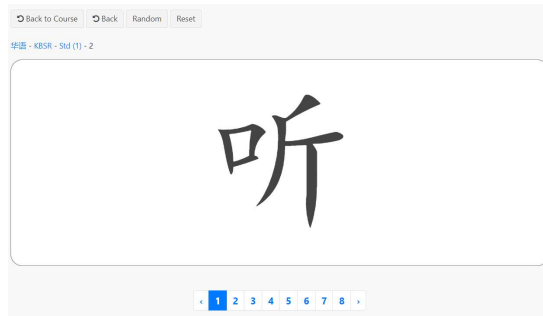
KBSR

- Std (1) -
- Std (2) -
- Std (3) -

## ❖ Sections



## ❖ Subsections (with random and reset function)



## Student Management

### ➤ Student Module

#### ❖ Create, update or edit student details.

Create new student

Students List [+ Student Registration](#)

Show 10 entries

Search

Student Code	Name	Role	Status	Updated At	Actions
AP000004	Anabel Leong Yi Xuan	student	active	3 months ago	<a href="#">Edit</a> <a href="#">Bill</a> <a href="#">Status</a> <a href="#">Delete</a>
AP000003	Adric Leong Jian Pang	student	active	3 months ago	<a href="#">Edit</a> <a href="#">Bill</a> <a href="#">Status</a> <a href="#">Delete</a>
AP000002	Abby Leong Yi Qian	student	active	3 months ago	<a href="#">Edit</a> <a href="#">Bill</a> <a href="#">Status</a> <a href="#">Delete</a>
AP000001	Aaron Leong Jian Qi	student	active	3 months ago	<a href="#">Edit</a> <a href="#">Bill</a> <a href="#">Status</a> <a href="#">Delete</a>

Showing 1 to 4 of 4 entries

Previous 1 Next

Edit Student

Create Bill

Change Status

Delete Student

- Temporary Stop Module
  - ❖ Create or delete temporary stop student.

Add Temporary Stop Student

Remove Temporary Stop Student

## Attendance

- View or search student attendance by date.

- Create student attendance.

## Mark attendance

Course:

Bahasa

Attendance Date:

Oct 20, 2021



## Parents Management

- Create, update or edit student's parent details.

The screenshot shows a 'Parents List' table with columns: Family Code, Name, Role, Updated At, and Actions. A single entry is visible for 'Leong ching wai' with role 'customer' and 'Updated At' '3 months ago'. Annotations with arrows point to specific UI elements: 'Add Parent' (Create new parent), a pencil icon (Edit parent), a dollar sign icon (Create receipt), a list icon (View all receipts), and a trash icon (Delete parent). The table also includes a search bar, a 'Show 10 entries' dropdown, and pagination controls.

Family Code	Name	Role	Updated At	Actions
F_AP000001	Leong ching wai	customer	3 months ago	[Edit] [Receipt] [List] [Delete]

Create new parent

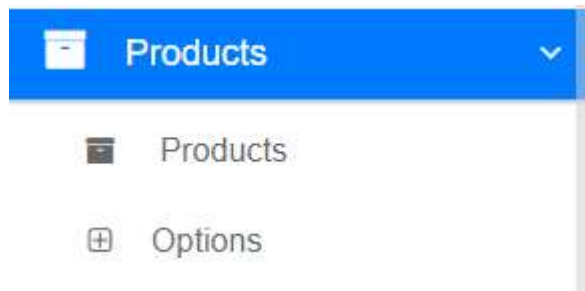
Edit parent

Create receipt

View all receipts

Delete parent

## Products



### Structure of the Products

- Category -> Product -> Options

### Category

- Hanohano (1:1)
- HanoLand (Packages) (Educare)
- Book
- Top Up
- Over Payment
- Deduct

## Product

- 1 Language
- 2 Language
- 3 Language
- ABM
- H\_Advanced
- H\_Discount
- BRNQ
- Top up
- BC
- BM
- BI
- HL\_Advanced
- Packages
- Uniform
- Materials
- Insurance
- HL\_Discount
- Activity
- Overpay
- Deduct By Advance Payment
- Deduct By Overpay

## Options

- H\_BC\_1 day/week\_220
- H\_BM\_1 day/week\_220
- H\_BI\_1 day/week\_220
- H\_BC\_1 day/week\_240
- H\_BM\_1 day/week\_240
- H\_BI\_1 day/week\_240
- H\_BC\_2 days/week\_280
- H\_BM\_2 days/week\_280
- H\_BI\_2 days/week\_280
- H\_BC\_2 days/week\_300
- H\_BM\_2 days/week\_300
- H\_BI\_2 days/week\_300
- H\_BC\_3 days/week\_350
- H\_BM\_3 days/week\_350
- H\_BI\_3 days/week\_350
- H\_BC\_3 days/week\_380
- H\_BM\_3 days/week\_380
- H\_BI\_3 days/week\_380
- H\_BC\_4 days/week\_430
- H\_BM\_4 days/week\_430

- H\_BI\_4 days/week\_430
- H\_BC\_4 days/week\_480
- H\_BM\_4 days/week\_480
- H\_BI\_4 days/week\_480
- H\_BC\_5 days/week\_490
- H\_BM\_5 days/week\_490
- H\_BI\_5 days/week\_490
- H\_BC\_5 days/week\_520
- H\_BM\_5 days/week\_520
- H\_BI\_5 days/week\_520
- H\_BC+BM\_1 day/week\_300
- H\_BC+BI\_1 day/week\_300
- H\_BM+BI\_1 day/week\_300
- H\_1 subj+ABM\_1 days/week\_300
- H\_BC+BM\_1 day/week\_320
- H\_BC+BI\_1 day/week\_320
- H\_BM+BI\_1 day/week\_320
- H\_1 subj+ABM\_1 day/week\_320
- H\_2 subj\_2days/week\_340
- H\_BC+BM\_2 days/week\_360
- H\_BC+BI\_2 days/week\_360
- H\_BM+BI\_2 days/week\_360
- H\_1 subj+ABM\_2 days/week\_360
- H\_BC+BM\_2 days/week\_390
- H\_BC+BI\_2 days/week\_390
- H\_BM+BI\_2 days/week\_390
- H\_1 subj+ABM\_2 days/week\_390
- H\_BM+BC\_3 days/week\_400
- H\_BC+BM\_3 days/week\_450
- H\_BC+BI\_3 days/week\_450
- H\_BM+BI\_3 days/week\_450
- H\_1 subj+ABM\_3 days/week\_450
- H\_BC+BM\_3 days/week\_480
- H\_BC+BI\_3 days/week\_480
- H\_BM+BI\_3 days/week\_480
- H\_1 subj+ABM\_3 days/week\_480
- H\_BC+BM\_4 days/week\_530
- H\_BC+BI\_4 days/week\_530
- H\_BM+BI\_4 days/week\_530
- H\_1 subj+ABM\_4 days/week\_530
- H\_BC+BM\_4 days/week\_580
- H\_BC+BI\_4 days/week\_580
- H\_BM+BI\_4 days/week\_580
- H\_1 subj+ABM\_4 days/week\_580

- H\_BC+BM\_5 days/week\_590
- H\_BC+BI\_5 days/week\_590
- H\_BM+BI\_5 days/week\_590
- H\_1 subj+ABM\_5 days/week\_590
- H\_BC+BM\_5 days/week\_620
- H\_BC+BI\_5 days/week\_620
- H\_BM+BI\_5 days/week\_620
- H\_1 subj+ABM\_5 days/week\_620
- H\_BC+BM+BI\_1 day/week\_380
- H\_2 subjs+ABM\_1 day/week\_380
- H\_BC+BM+BI\_1 day/week\_400
- H\_2 subjs+ABM\_1 day/week\_400
- H\_BC+BM+BI\_2 days/week\_440
- H\_2 subjs+ABM\_2 days/week\_440
- H\_BC+BM+BI\_2 days/week\_460
- H\_2 subjs+ABM\_2 days/week\_460
- H\_BC+BM+ABM\_3days/week\_490
- H\_BC+BM+BI\_3days/week\_490
- H\_BC+BM+BI\_3 days/week\_550
- H\_2 subjs+ABM\_3 days/week\_550
- H\_BC+BM+BI\_3 days/week\_580
- H\_2 subjs+ABM\_3 days/week\_580
- H\_BC+BM+BI\_4 days/week\_630
- H\_2 subjs+ABM\_4 days/week\_630
- H\_BC+BM+BI\_4 days/week\_680
- H\_2 subjs+ABM\_4 days/week\_680
- H\_BC+BM+BI\_5 days/week\_690
- H\_2 subjs+ABM\_5 days/week\_690
- H\_BC+BM+BI\_5 days/week\_720
- H\_2 subjs+ABM\_5 days/week\_720
- H\_ABM\_120
- H\_ABM\_1 day/week\_190
- H\_3 subjs+ABM\_1 day/week\_500
- H\_3 subjs+ABM\_1 day/week\_520
- H\_3 subjs+ABM\_2 days/week\_560
- H\_3 subjs+ABM\_2 days/week\_580
- H\_3 subjs+ABM\_3 days/week\_670
- H\_3 subjs+ABM\_3 days/week\_700
- H\_3 subjs+ABM\_4 days/week\_750
- H\_3 subjs+ABM\_4 days/week\_800
- H\_3 subjs+ABM\_5 days/week\_810
- H\_3 subjs+ABM\_5 days/week\_840
- H\_Non-refundable Advanced\_1 subj\_1day/wk\_220
- H\_Non-refundable Advanced\_1 subj\_1day/wk\_240

- H\_Non-refundable Advanced\_1 subj\_2days/wk\_280
- H\_Non-refundable Advanced\_1 subj\_2days/wk\_300
- H\_Non-refundable Advanced\_1 subj\_3days/wk\_350
- H\_Non-refundable Advanced\_1 subj\_3days/wk\_380
- H\_Non-refundable Advanced\_1 subj\_4days/wk\_430
- H\_Non-refundable Advanced\_1 subj\_4days/wk\_480
- H\_Non-refundable Advanced\_1 subj\_5days/wk\_490
- H\_Non-refundable Advanced\_1 subj\_5days/wk\_520
- H\_Non-refundable Advanced\_2 subjs\_1day/wk\_300
- H\_Non-refundable Advanced\_2 subjs\_1day/wk\_320
- H\_Non-refundable Advanced\_2 subjs\_2days/wk\_360
- H\_Non-refundable Advanced\_2 subjs\_2days/wk\_390
- H\_Non-refundable Advanced\_2 subjs\_3days/wk\_450
- H\_Non-refundable Advanced\_2 subjs\_3days/wk\_480
- H\_Non-refundable Advanced\_2 subjs\_4days/wk\_530
- H\_Non-refundable Advanced\_2 subjs\_4days/wk\_580
- H\_Non-refundable Advanced\_2 subjs\_5days/wk\_590
- H\_Non-refundable Advanced\_2 subjs\_5days/wk\_620
- H\_Non-refundable Advanced\_3 subjs\_1day/wk\_380
- H\_Non-refundable Advanced\_3 subjs\_1day/wk\_400
- H\_Non-refundable Advanced\_3 subjs\_2days/wk\_440
- H\_Non-refundable Advanced\_3 subjs\_2days/wk\_460
- H\_Non-refundable Advanced\_3 subjs\_3days/wk\_550
- H\_Non-refundable Advanced\_3 subjs\_3days/wk\_580
- H\_Non-refundable Advanced\_3 subjs\_4days/wk\_630
- H\_Non-refundable Advanced\_3 subjs\_4days/wk\_680
- H\_Non-refundable Advanced\_3 subjs\_5days/wk\_690
- H\_Non-refundable Advanced\_3 subjs\_5days/wk\_720
- H\_Registration\_50
- H\_Enrollment\_8th-14th\_-25%
- H\_Enrollment\_15th-21st\_-50%
- H\_Enrollment\_22nd-31st\_-75%
- H\_3 months\_-6%
- H\_6 months\_-8%
- H\_12 months\_-10%
- H\_Special\_Discount\_-5%
- H\_Special\_Discount\_-10%
- H\_Special\_Discount\_-15%
- H\_Special\_Discount\_-20%
- H\_Special\_Discount\_-25%
- H\_Special\_Discount\_-30%
- H\_Special\_Discount\_-50%
- H\_Special\_Discount\_-70%
- H\_BRNQ\_120

- H\_BRNQ\_150
- Top up\_10
- Top up\_20
- Top up\_30
- Top up\_40
- H\_WB\_Basic Learning 1
- H\_WB\_Red100
- H\_WB\_Red200
- H\_WB\_KBSR 1
- H\_WB\_KBSR 2
- H\_WB\_KBSR 3
- H\_WB\_KSSR 4
- H\_WB\_KSSR 5
- H\_WB\_KSSR 6
- H\_WB\_KSSR SMK 1
- H\_WB\_KSSR SMK 2
- H\_WB\_KSSR SMK 3
- H\_WB\_KSSR SMK 4
- H\_Writing\_Red100
- H\_Writing\_Red200
- H\_Writing\_KBSR 1
- H\_Writing\_KBSR 2
- H\_Writing\_KBSR 3
- H\_Writing\_KSSR 4
- H\_Writing\_KSSR 5
- H\_Writing\_KSSR 6
- H\_Writing\_KSSR SMK 1
- H\_Writing\_KSSR SMK 2
- H\_Writing\_KSSR SMK 3
- H\_Writing\_KSSR SMK 4
- H\_Word List\_Red100
- H\_Word List\_Red200
- H\_Word List\_KBSR 1
- H\_Word List\_KBSR 2
- H\_Word List\_KBSR 3
- H\_Word List\_KSSR 4
- H\_Word List\_KSSR 5
- H\_Word List\_KSSR 6
- H\_Word List\_KSSR SMK 1
- H\_Word List\_KSSR SMK 2
- H\_Word List\_KSSR SMK 3
- H\_Word List\_KSSR SMK 4
- H\_Textbook\_Basic Learning 1
- H\_Suku Kata Buku 1

- H\_Suku Kata Buku 2
- H\_Suku Kata Buku 3
- H\_Word List\_Pra 1
- H\_Word List\_Pra 2
- H\_Word List\_PK 1A
- H\_Word List\_PK 1B
- H\_Word List\_PK 2A
- H\_Word List\_PK 2B
- H\_Word List\_PK 3A
- H\_Word List\_PK 3B
- H\_Word List\_PK 4A
- H\_Word List\_PK 4B
- H\_Word List\_PK 5A
- H\_Word List\_PK 5B
- H\_Word List\_PK 6A
- H\_Word List\_PK 6B
- H\_Petikan\_PK 1
- H\_Petikan\_PK 2
- H\_Petikan\_PK 3
- H\_Petikan\_PK 4
- H\_Petikan\_PK 5
- H\_Petikan\_PK 6
- H\_Textbook\_Pra 1
- H\_Textbook\_Pra 2
- H\_TT 1
- H\_TT 2
- H\_TT 3
- H\_TT 4
- H\_TT 5
- H\_TT 6
- H\_Tulisan\_Pra 1
- H\_Tulisan\_PK 1A
- H\_Tulisan\_PK 1B
- H\_Tulisan\_PK 2A
- H\_Tulisan\_PK 2B
- H\_Tulisan\_PK 3A
- H\_Tulisan\_PK 3B
- H\_Tulisan\_PK 4A
- H\_Tulisan\_PK 4B
- H\_Tulisan\_PK 5A
- H\_Tulisan\_PK 5B
- H\_Tulisan\_PK 6A
- H\_Tulisan\_PK 6B
- H\_WB\_Pre 1

- H\_WB\_Pre 2
- H\_Textbook\_Pre 1
- H\_Textbook\_Pre 2
- H\_Phonics Book 1
- H\_Phonics Book 2
- H\_Phonics Book 3
- HL\_Registration\_50
- HL\_Non-refundable Advanced\_400
- HL\_Non-refundable Advanced\_500
- HL\_Non-refundable Advanced\_650
- HL\_Non-refundable Advanced\_Half+1 to 1\_2 subjs\_500
- HL\_Non-refundable Advanced\_Half+1 to 1\_3 subjs\_600
- HL\_Non-refundable Advanced\_Full+1 to 1\_2 subjs\_500
- HL\_Non-refundable Advanced\_Full+1 to 1\_3 subjs\_600
- HL\_Non-refundable Advanced\_After school\_800
- HL\_Non-refundable Advanced\_After school\_900
- HL\_Non-refundable Advanced\_After school\_1,000
- HL\_Half Day\_400
- HL\_Half Day+1 to 1\_2 subjs\_1,000
- HL\_Half Day+1 to 1\_3 subjs\_1,100
- HL\_Full Day+1 to 1\_2 subjs\_1,150
- HL\_Full Day+1 to 1\_3 subjs\_1,250
- HL\_After school\_800
- HL\_After school\_900
- HL\_After school\_1,000
- HL\_Uniform\_80cm\_40
- HL\_Uniform\_90cm\_40
- HL\_Uniform\_100cm\_40
- HL\_Uniform\_110cm\_40
- HL\_Uniform\_120cm\_40
- HL\_Uniform\_130cm\_40
- HL\_T-shirt\_XS\_25
- HL\_T-shirt\_S\_25
- HL\_T-shirt\_M\_25
- HL\_T-shirt\_L\_25
- HL\_T-shirt\_XL\_25
- HL\_T-shirt\_XXL\_25
- HL\_Materials\_400
- HL\_Materials\_450
- HL\_Materials\_500
- HL\_Insurance\_20
- HL\_Insurance\_30
- HL\_Insurance\_40
- HL\_3 months\_-6%



- HL\_Special\_Discount\_-5%
- HL\_Special\_Discount\_-10%
- HL\_Special\_Discount\_-15%
- HL\_Special\_Discount\_-20%
- HL\_Special\_Discount\_-25%
- HL\_Special\_Discount\_-30%
- HL\_Special\_Discount\_-50%
- HL\_Special\_Discount\_-70%
- HL\_Activity\_50
- HL\_Activity\_100
- HL\_Activity\_150
- HL\_Activity\_200
- Overpay
- Deduct by Advance
- Deduct By Overpay
- Top up

### Create or edit option

Options List [+ Create Option](#) Export Refresh Print Reset Columns

Show 10 entries

Name	Price	Stock	Product	Option Group	Updated At	Actions
Top up_40	RM40.00		Top up	Packages	6 months ago	<a href="#">Edit</a> <a href="#">Delete</a>
Top up_30	RM30.00		Top up	Packages	6 months ago	<a href="#">Edit</a> <a href="#">Delete</a>

Create option Edit option

### Books

- Assign the book for student before open a receipt.

Books List Export Refresh Print Reset Columns

Show 10 entries

Name	Actions
BC	<a href="#">View Books</a>
BI	<a href="#">View Books</a>
BM	<a href="#">View Books</a>

Showing 1 to 3 of 3 entries Previous 1 Next

## Payment

- View, edit and delete receipt.

Payments | Payments Management Dashboard / Payments / Payments List

Payments List Export Refresh Print Reset Columns

Show 10 entries Search

Payment ID	Student	Payment Status	Method	Amount	Updated At	Actions
HR_AP000006	Aaron Leong Jian Qi	Completed	Cash	RM20.00	1 week ago	<a href="#">View receipt</a> <a href="#">Edit receipt</a> <a href="#">Delete receipt</a>
HR_AP000005	Aaron Leong Jian Qi	Completed	Cash	RM10.00	1 week ago	<a href="#">View receipt</a> <a href="#">Edit receipt</a> <a href="#">Delete receipt</a>

## Setting

- User
  - ❖ Create, update or edit all user details. (Admin, Student, Parent and etc)

Settings Settings Management Dashboard / Users List

Users List [+ Create User](#)

Show 10 entries Search

Name	Email	Role	Updated At	Actions
Yep Wei Choon		customer	3 months ago	<a href="#">Edit user</a> <a href="#">Delete user</a>
Yep Jin Yang		student	3 months ago	<a href="#">Edit user</a> <a href="#">Delete user</a>

➤ Branches (With Book Inventory Control and payment)

❖ Branch List

The screenshot shows the 'Branch List' interface. At the top, there is a 'Branch List' tab and a '+ Create New Branch' button. Below this is a search bar and a 'Show 10 entries' dropdown. The main table has columns: Name, Code, Active, Updated At, and Actions. There are five rows of branch data. The 'Actions' column for each row contains four icons: a pencil (edit), a plus (create invoice), a minus (view invoice), and a trash (delete). Blue arrows point from the following labels to these icons: 'Create branch' points to the '+ Create New Branch' button; 'Edit branch' points to the pencil icon in the first row; 'Create Invoice' points to the plus icon in the first row; and 'View Invoice' points to the minus icon in the first row.

Name	Code	Active	Updated At	Actions
Pusat Tultion Kreatif Bahasa Sdn Bhd (AP)	AP	Yes	5 months ago	[Edit] [Create Invoice] [View Invoice] [Delete]
Pusat Tuisyen Yakin Pintar Bahasa (ST)	ST	Yes	5 months ago	[Edit] [Create Invoice] [View Invoice] [Delete]
Pusat Tuisyen Yakin Bahasa Sdn Bhd (JMR)	JMR	Yes	5 months ago	[Edit] [Create Invoice] [View Invoice] [Delete]
Pusat Tuisyen Motivasi Bahasa (RW)	RW	Yes	5 months ago	[Edit] [Create Invoice] [View Invoice] [Delete]
Pusat Tuisyen Cerdik Bahasa Sdn Bhd (PBL)	PBL	Yes	5 months ago	[Edit] [Create Invoice] [View Invoice] [Delete]

Showing 1 to 5 of 5 entries

Create branch

Edit branch

Create Invoice

View Invoice

❖ Inventory (Add stock of book for selected branch)

The screenshot shows the 'Inventory Management' interface. At the top, there is a breadcrumb trail: 'Dashboard / Inventory / Inventory List'. Below this is a search bar and a 'Show 10 entries' dropdown. The main table has columns: Name and Actions. There are three rows of inventory data. The 'Actions' column for each row contains a 'View Items' link.

Name	Actions
BC	<a href="#">View Items</a>
BI	<a href="#">View Items</a>
BM	<a href="#">View Items</a>

➤ Roles & Permissions

❖ Edit permission for selected role.

Settings Settings Management Dashboard / Permissions List

Permissions List [+ Create Permission](#) [Roles List](#) [+ Create Role](#) [Export](#) [Refresh](#) [Print](#) [Reset](#) [Columns](#)

Show 10 entries

Permission Name	Guard Name	admin	teacher	student	customer	Actions
users						
users.update	web	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Delete</a>
users.store	web	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Delete</a>
users.show	web	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Delete</a>

❖ Create role.

Settings Settings Management Dashboard / Create Role

[Permissions List](#) [Roles List](#) [+ Create Role](#)

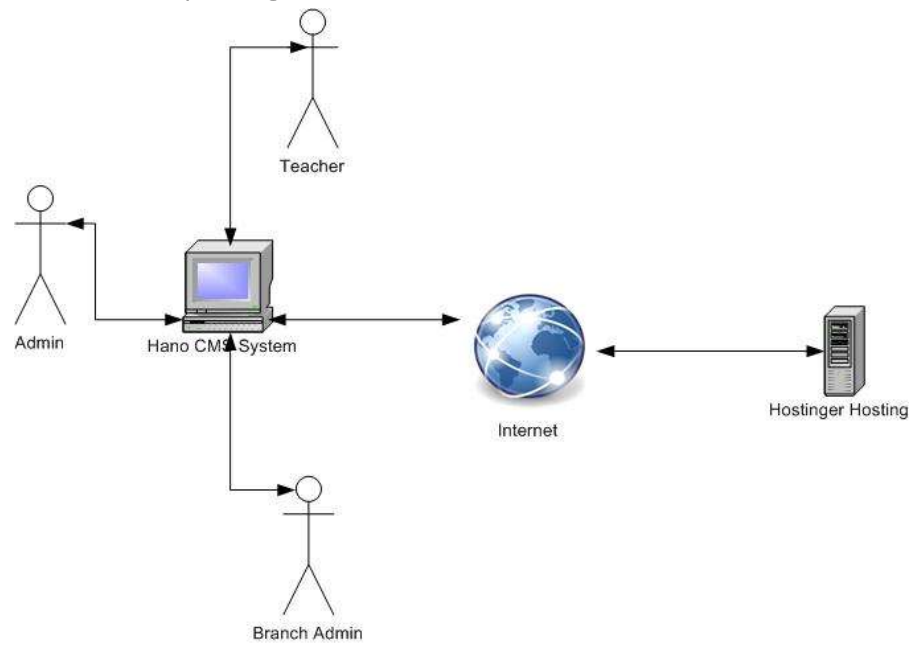
**Name:**  **Guard Name:**

Insert Role Name Insert Guard Name

**default role** ☐

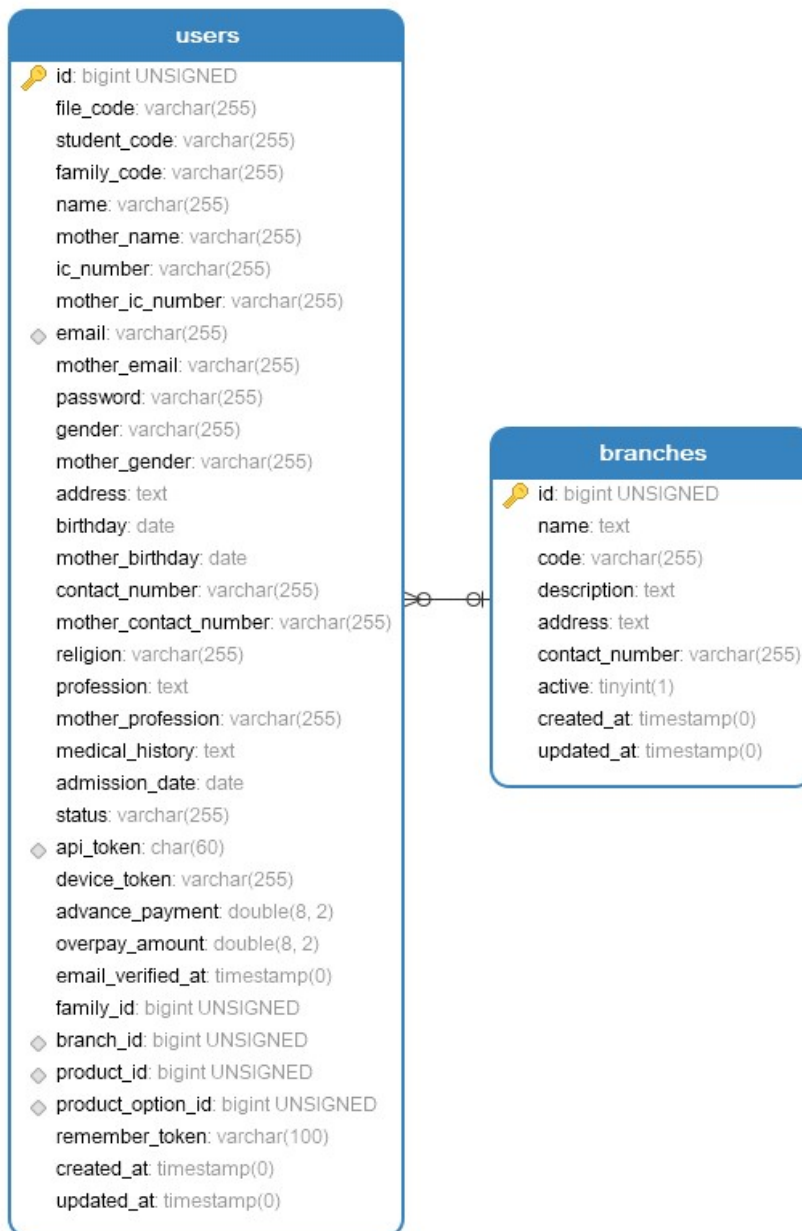
[Save Role](#) [Cancel](#)

### 3 – Activity Diagram

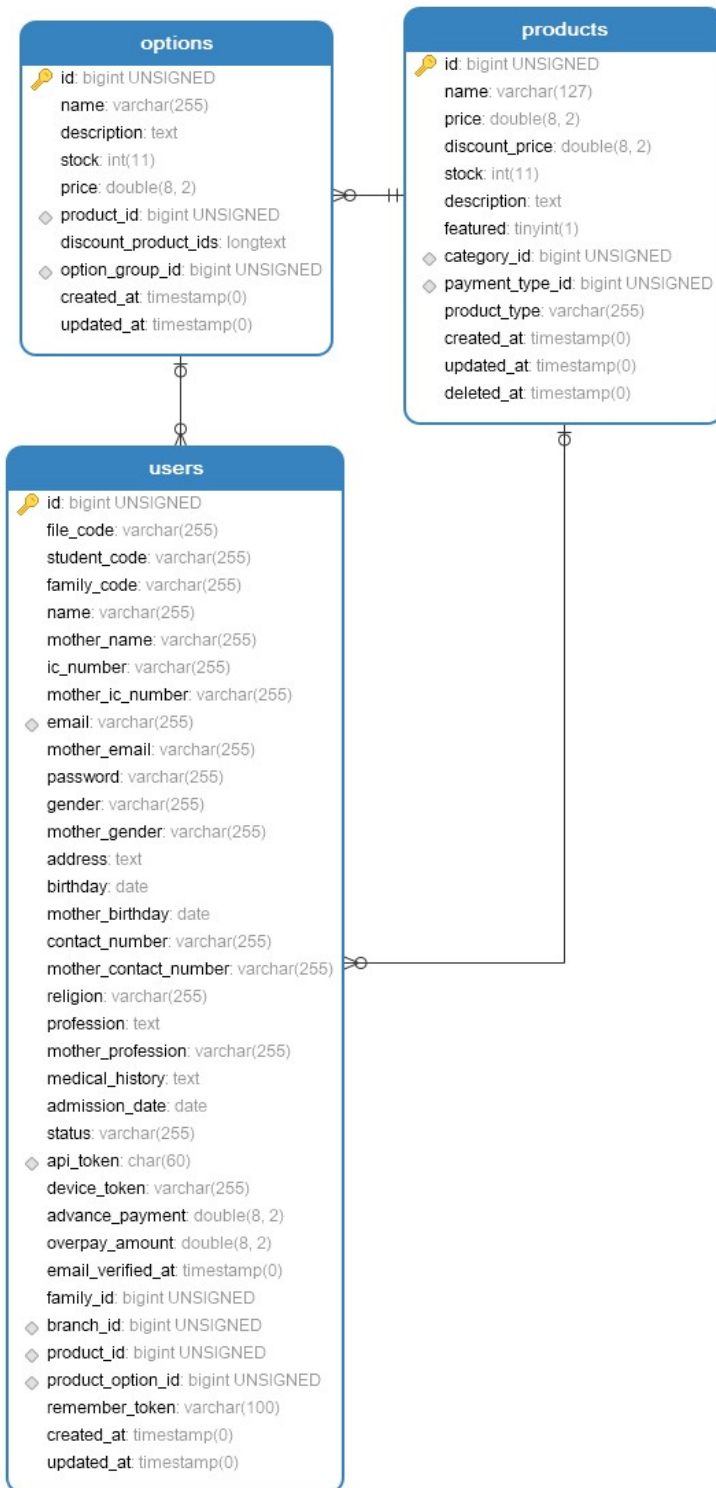


## 4 – Entity Diagram



### Users and branches




## Users and Products



## Attendances

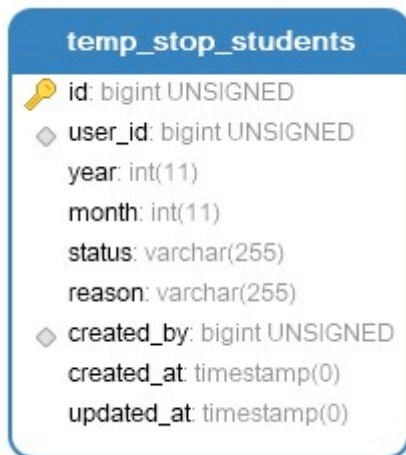
attendances	
	id: bigint UNSIGNED
	course_id: bigint UNSIGNED
	user_id: bigint UNSIGNED
	date: date
	note: text
	status: varchar(255)
	created_at: timestamp(0)
	updated_at: timestamp(0)

## Branches

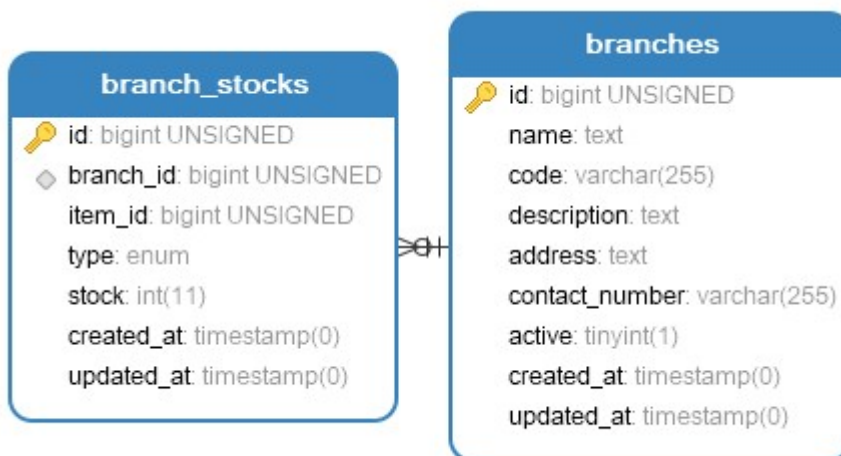
branches	
	id: bigint UNSIGNED
	name: text
	code: varchar(255)
	description: text
	address: text
	contact_number: varchar(255)
	active: tinyint(1)
	created_at: timestamp(0)
	updated_at: timestamp(0)



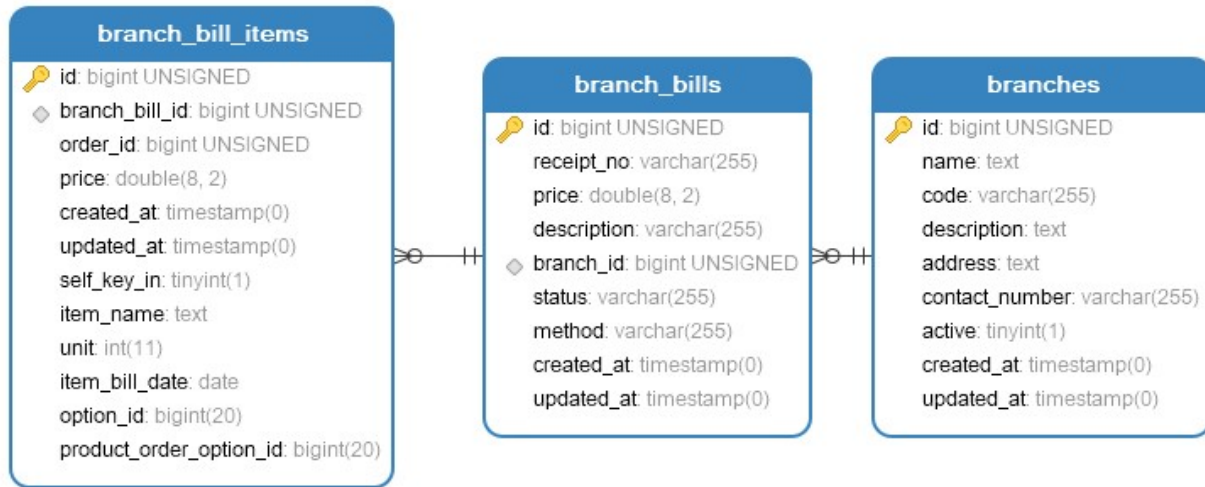
## Temporary Stop Student



## Branches and Stock



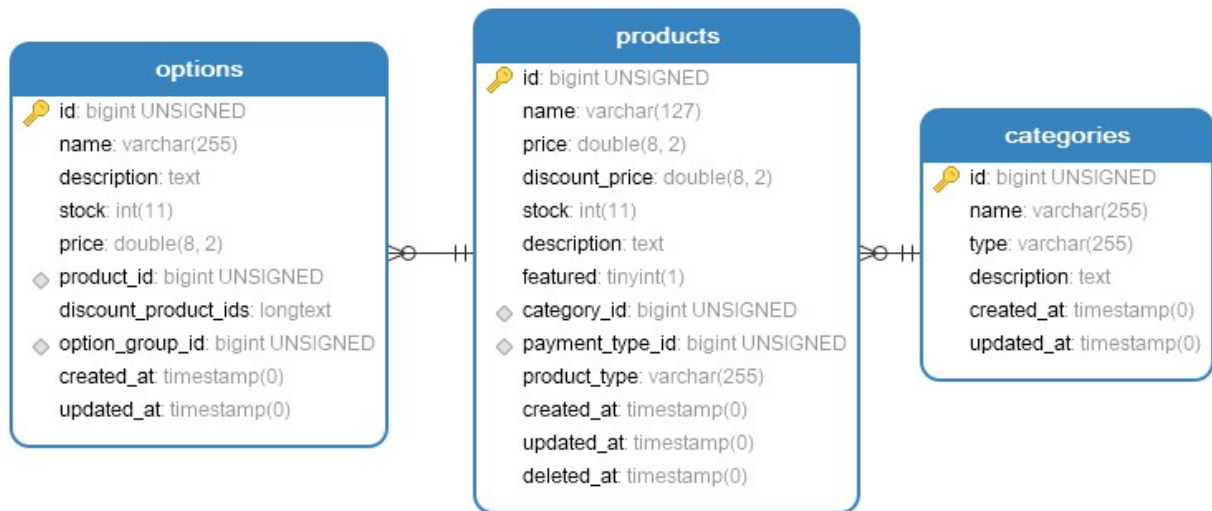
## Branches and Billing



## Flashcard



## Products



## Payment

