

Ho Chi Minh University of Science
Department of Information Technology



Course: Introduction to Software Engineering
Instructor: Mr. Truong Phuoc Loc
Class: 23CLC03
Group: 07
Students' name: Le Anh Duy - 23127011
Tran Gia Huy - 23127199
Nguyen Thanh Luan - 23127296
Nguyen Thanh Tien - 23127539

Ho Chi Minh City, December 2025

Table of Contents

1	Member Contribution Assessment.....	4
2	Conceptual Model.....	5
3	Architectural Design.....	6
3.1	Architecture Diagram.....	6
3.1.1	Decomposition tree	6
3.1.2	Overall System Architecture and Design Patterns	6
3.2	Class Diagram	7
3.3	Class Specifications.....	7
3.3.1	Class Manga	7
3.3.2	Class User.....	9
3.3.3	Class Reader.....	10
3.3.4	Class Uploader	12
3.3.5	Class Admin	13
3.3.6	Class Director.....	14
3.3.7	Class Chapter	14
3.3.8	Class Page.....	16
3.3.9	Class DepositTransaction	16
3.3.10	Class Comment	17
4	Data Design	18
4.1	Data Diagram	18
4.2	Data Specification.....	18
4.2.1.	Table users.....	19
4.2.2.	Table users.....	20
4.2.3.	Table users.....	20
4.2.4.	Table mangas	21
4.2.5.	Table genres	22
4.2.6.	Table chapters	23
4.2.7.	Table chatapter_pages	24
4.2.8.	Table coin_history	24

4.2.9. Table deposit_transactions	25
4.2.10. Table purchased_chapters	26
4.2.11. Table admin_approve_chapter.....	27
4.2.12. Table uploader_requests.....	28
4.2.13. Table reading_history.....	28
4.2.14. Table comments	29
4.2.15. Table favorites	30
4.2.16. Table otp_codes	30
5 User Interface and User Experience Design.....	31
5.1 Screen Diagram	31
5.1.1. User subsystem screen diagram	31
5.1.2. Admin subsystem screen diagram	34
5.2 Screen Specifications	35
5.2.1 Home Page Screen	35
.....	36
5.2.2 Discover Page.....	37
5.2.3 Author Page.....	40
5.2.4 Notification Page	42
5.2.5 Profile Page	43
5.2.6 My List Page	46

1 Member Contribution Assessment

ID	Name	Contribution (%)	Signature
23127011	Le Anh Duy	100%	
23127199	Tran Gia Huy	100%	
23127296	Nguyen Thanh Luan	100%	
23127539	Nguyen Thanh Tien	100%	

2 Conceptual Model

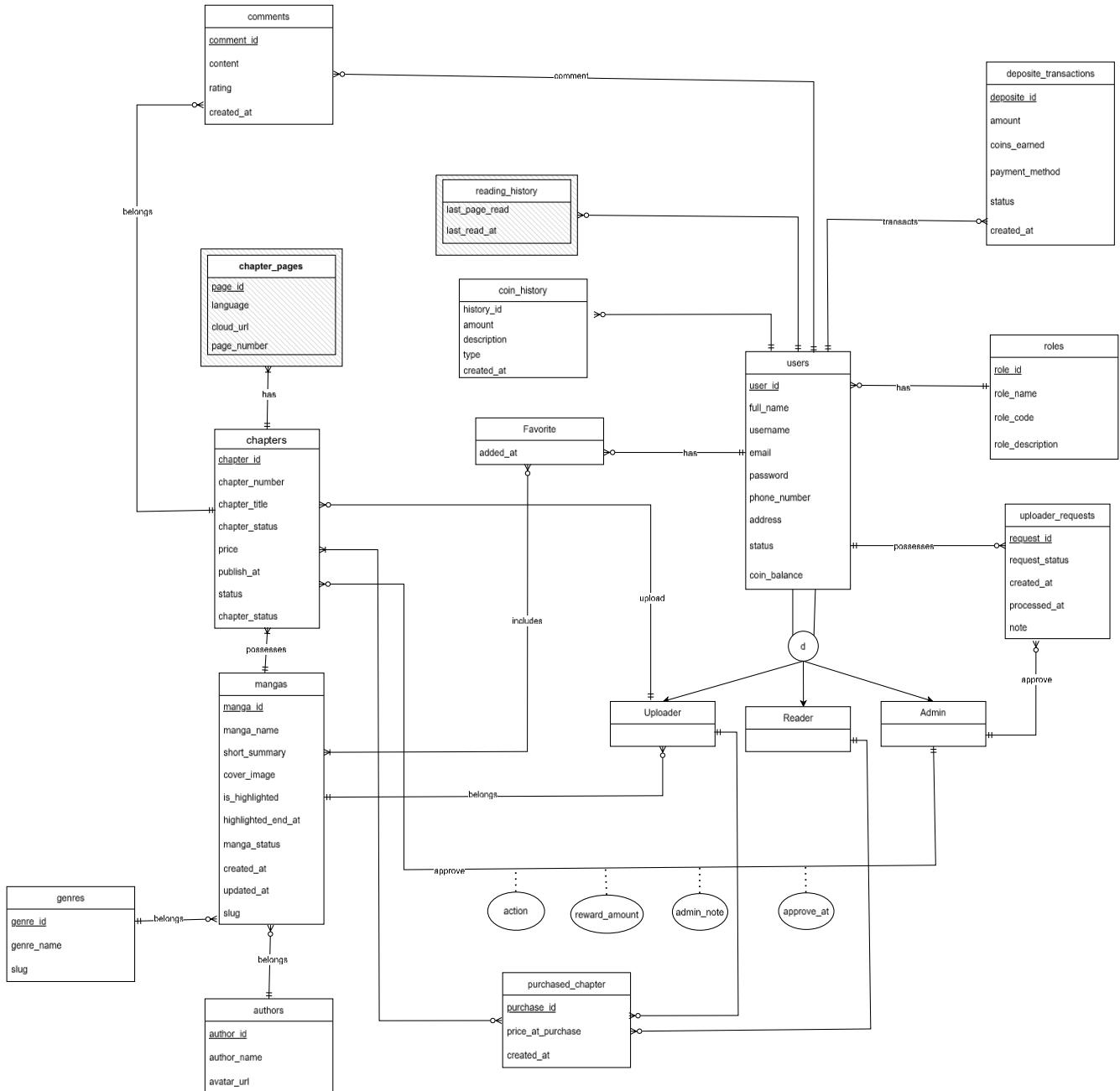


Figure 1: Conceptual Schema

3 Architectural Design

3.1 Architecture Diagram

3.1.1 Decomposition tree

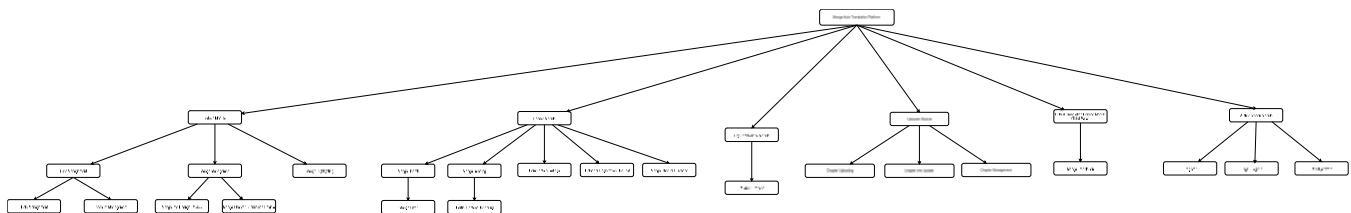


Figure 2: Decomposition tree

3.1.2 Overall System Architecture and Design Patterns

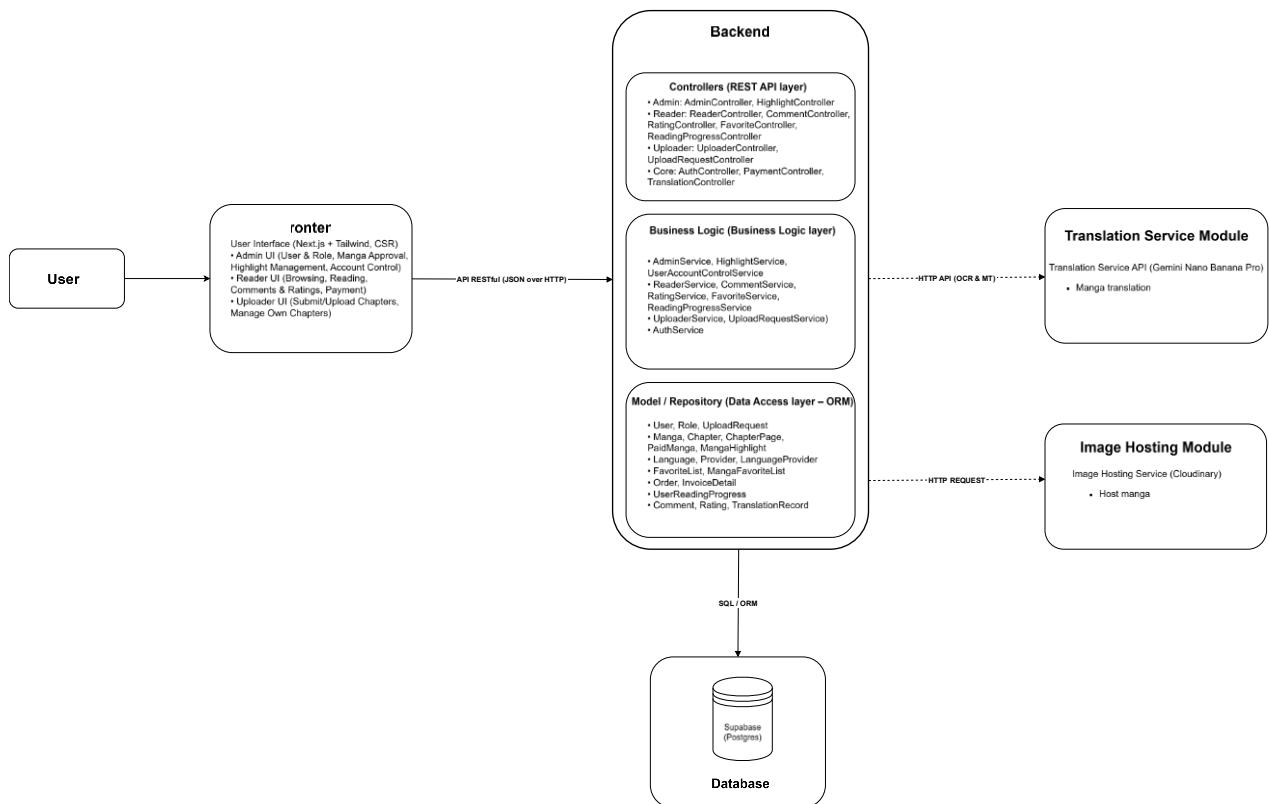


Figure 3: Overall System Architecture and Design Patterns

3.2 Class Diagram

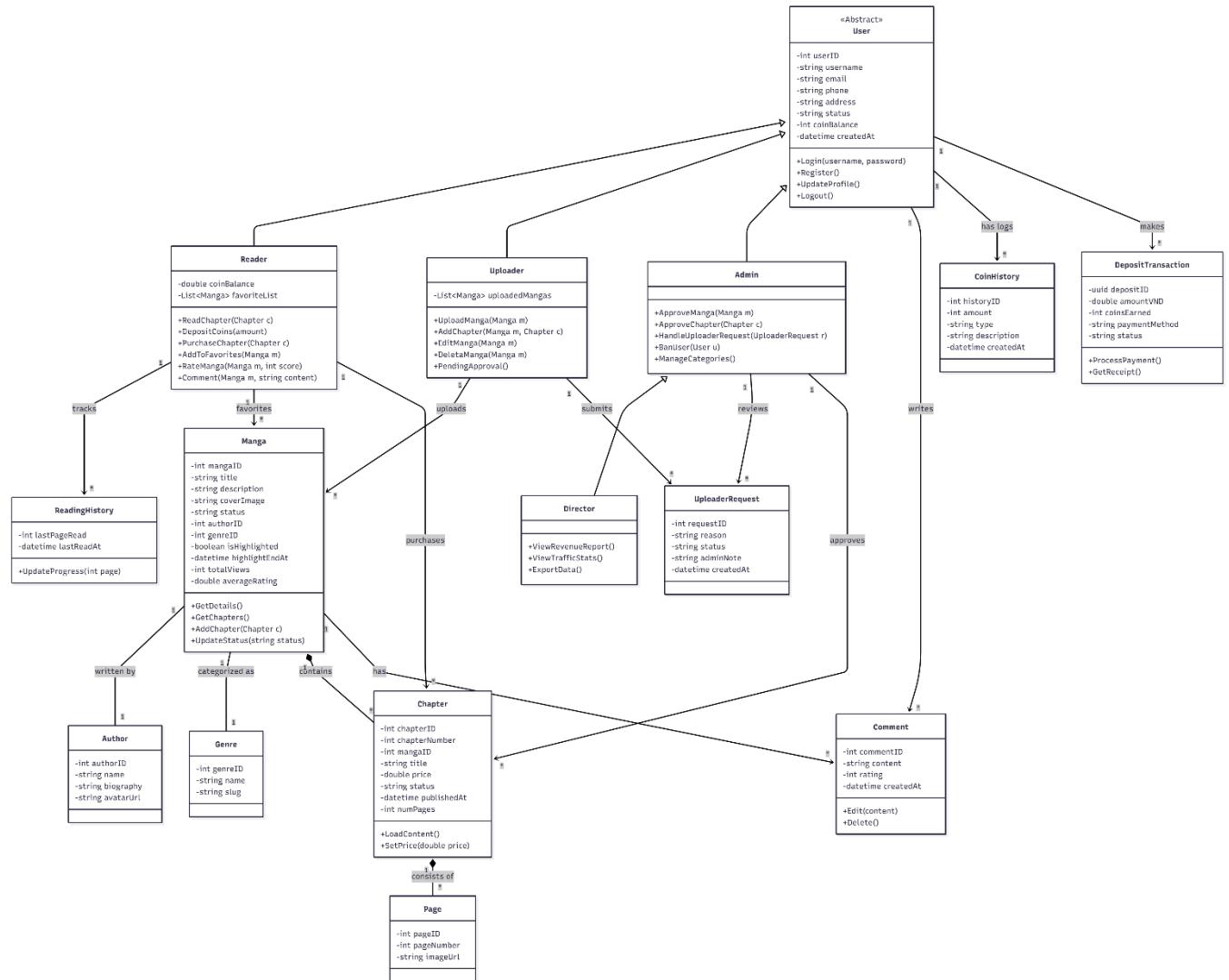


Figure 4: Class Diagram

3.3 Class Specifications

3.3.1 Class Manga

Seq	Property	Modifier	Constraint	Description
1	mangaID	private	PK, Not Null	Unique identifier for the manga.
2	title	private	Not Null	Title of the manga.
3	description	private		Synopsis or summary.
4	coverImage	private		URL link to cover image.
5	status	private	"OnGoing", "Completed", "Dropped"	Publication status.
6	isHighlighted	private	Default False	Featured status flag for homepage.
7	author	private	FK	Reference to the Author object.
8	genre	private	FK	Reference to the primary Genre object.

Seq	Operation	Modifier	Constraint	Description
1	GetDetails()	public		Retrieve full details of the manga.
2	AddChapter(Chapter c)	public	Uploader only	Add a new chapter to the manga.
3	UpdateStatus(String status)	public	Uploader/Admin	Update status (e.g., from Ongoing to Completed).
4	GetChapters()	public		Return the list of chapters for this manga.

3.3.2 Class User

Seq	Property	Modifier	Constraint	Description
1	userID	protected	PK, Not Null	Unique identifier.
2	username	protected	Unique	Display name.
3	email	protected	Unique, Not Null	Email for login.
4	coinBalance	Protected	>0	Current wallet balance.

5	role	protected	FK	User role (Reader, Uploader, Admin).
6	status	protected	"active", "banned"	Account status.
7	createdAt	protected	DateTime	The created date of account.

Seq	Operation	Modifier	Constraint	Description
1	Login(String user, String pass)	public		Authenticate user into the system.
2	Logout()	public		Logout from the system.
3	Register()	public		Register a new account.
4	UpdateProfile()	public		Update personal profile information.

3.3.3 Class Reader

Seq	Property	Modifier	Constraint	Description

1	coinBalance	Private	> 0	Current coin balance in the reader's wallet.
2	favoriteList	private	List	List of saved favorite manga.

Seq	Operation	Modifier	Constraint	Description
1	ReadChapter(Chapter c)	public		View content of a manga chapter.
2	PurchaseChapter(Chapter c)	public	Check Balance	Purchase a paid chapter using coins.
3	DepositCoins(double amount)	public	> 0	Top up money to the account to exchange for coins.
4	AddToFavourites(Manga m)	public		Add the manga to favourite list
5	RateManga(Manga m, int score)	public	1 to 5	Rate the manga.

6	Comment(Manga m, String content)	public	Not empty	Write a comment for the manga.
---	-------------------------------------	--------	-----------	--------------------------------

3.3.4 Class Uploader

Seq	Property	Modifier	Constraint	Description
1	uploadedMangas	private	List	List of uploaded manga.

Seq	Operation	Modifier	Constraint	Description
1	UploadManga(Manga m)	public	Must be approved	Create a new manga and submit for approval.
2	AddChapter(Manga m, Chapter c)	public	Must be approved	Add a new chapter to the manga.
3	EditManga(Manga m)	public	Owner only	Edit information of uploaded manga.
4	DeleteManga(Manga m)	public	Owner only	Delete manga (or request deletion).

5	PendingApproval()	public		View list of manga pending approval.
---	-------------------	--------	--	--------------------------------------

3.3.5 Class Admin

Seq	Property	Modifier	Constraint	Description
1	adminLevel	private	Integer	Access level of the administrator (if tiered).

Seq	Operation	Modifier	Constraint	Description
1	ApproveManga(Manga m)	public		Approve manga uploaded by Uploaders.
2	ApproveChapter(Chapter c)	public		Approve chapter uploaded by Uploaders.
3	HandleUploaderRequest(UploaderRequest r)	public		Proceed the uploader's request
4	BanUser(User u)	public		Ban violating user accounts.

5	ManageCategories()	public		Add/Delete/Edit manga categories.
---	--------------------	--------	--	-----------------------------------

3.3.6 Class Director

Seq	Operation	Modifier	Constraint	Description
1	ViewRevenueReport()	public		View revenue report.
2	ViewTrafficStats()	public		View user traffic statistics.
3	ExportReport(FileType type)	public		Export report to file (Excel/PDF).

3.3.7 Class Chapter

Seq	Property	Modifier	Constraint	Description
1	chapterID	private	PK, Not Null	Unique identifier for the chapter.
2	chapterNumber	private		The chapter's order in manga.

3	mangaID	private	FK	ID of the manga containing this chapter.
4	title	private		Title or number of the chapter (e.g., "Chapter 1").
5	numPages	private	int	Number of pages in the chapter.
6	price	private	≥ 0	Cost to unlock the chapter (0 if free).
7	uploadDate	private	DateTime	Time when the chapter was uploaded.
8	status	private	"OnGoing", "Completed", "Dropped"	Publication status.

Seq	Operation	Modifier	Constraint	Description
1	LoadContent()	public		Load the list of content images for display.

2	SetPrice(double price)	public	Uploader only	Set the coin price for the chapter.
---	------------------------	--------	---------------	-------------------------------------

3.3.8 Class Page

Seq	Property	Modifier	Constraint	Description
1	pageID	private	PK, Not Null	Unique identifier.
2	pageNumber	private	Not Null	Sequence order in the chapter.
3	imageUrl	private	Not Null	Cloud storage URL.

3.3.9 Class DepositTransaction

Seq	Property	Modifier	Constraint	Description
1	depositID	private	PK	Unique transaction UUID.
2	amountVND	private	Not Null	Real currency amount paid.

3	coinsEarned	private	Not Null	Converted coin value.
4	paymentMethod	private		Gateway used (e.g., ZaloPay).
5	status	private	"Pending", "Success", "Failed"	Transaction status.

3.3.10 Class Comment

Seq	Property	Modifier	Constraint	Description
1	commentID	private	PK	Comment ID.
2	content	private	Not Empty	Text content of the comment.
3	userID	private	FK	User who wrote the comment.
4	mangaID	private	FK	The manga the comment belongs to.
5	postedDate	private	DateTime	Date posted.

Seq	Operation	Modifier	Constraint	Description
1	EditContent(String newContent)	public	Owner only	Edit comment content.
2	Delete()	public	Owner/Admin	Delete comment.

4 Data Design

4.1 Data Diagram

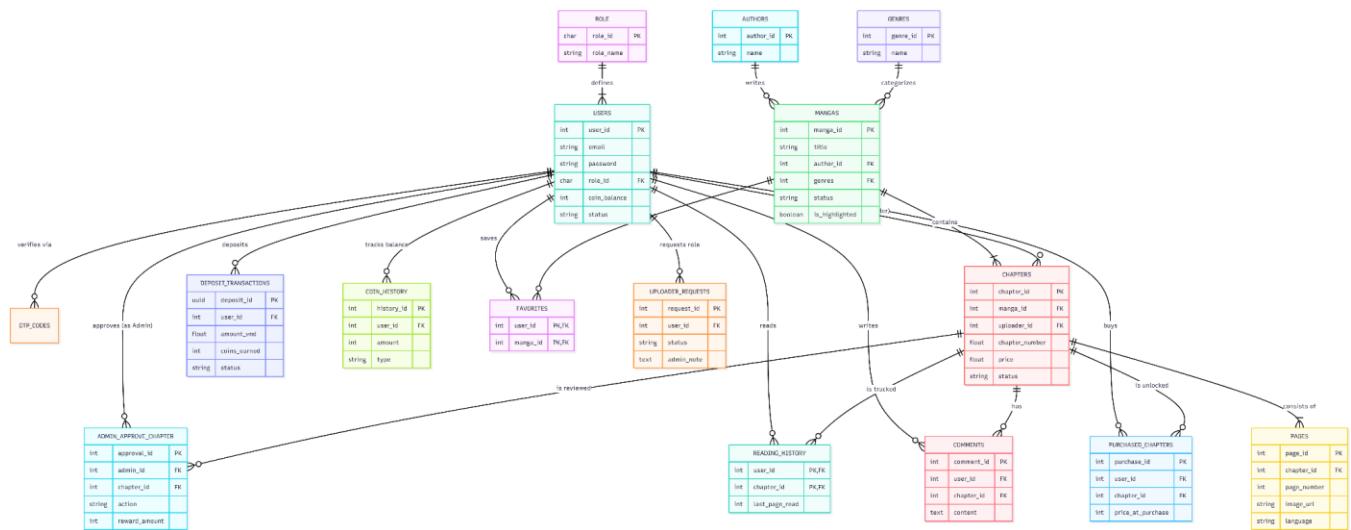


Figure 5: Data Diagram

4.2 Data Specification

The system uses **PostgreSQL** as the Database Management System (DBMS). Below is the detailed description of the data tables defined in the schema.

4.2.1. Table users

Stores account information for all users (Admins, Uploaders, Readers).

Attribute Name	Data Type	Constraints	Description
user_id	INTEGER	PK, SERIAL	Unique identifier for the user (Auto-increment).
username	VARCHAR(50)	Unique	The display username.
full_name	VARCHAR(50)	NOT NULL	User's full legal or display name.
email	VARCHAR(50)	NOT NULL, UNIQUE	Email address used for login and notifications.
password	VARCHAR(150)	NOT NULL	Hashed password.
phone	CHAR(10)		User's phone number.
role_id	CHAR	FK (Ref role), DEFAULT '1'	References the user's role.
address	VARCHAR(100)		User's physical address.

status	VARCHAR(10)	DEFAULT 'active'	Account status.
coin_balance	INTEGER	DEFAULT 0, CHECK (≥ 0)	Current wallet balance in coins.
created_at	TIMESTAMP	DEFAULT NOW()	Account creation timestamp.

4.2.2. Table users

Defines the permissions and roles within the system.

Attribute Name	Data Type	Constraints	Description
role_id	CHAR	PK	Unique identifier for the role (e.g., '1').
role_name	VARCHAR (20)		Display name (e.g., 'Reader').
role_code	VARCHAR (10)		System code (e.g., 'USER').
role_description	VARCHAR (100)		Description of permissions.

4.2.3. Table authors

Stores information about manga authors.

Attribute Name	Data Type	Constraints	Description
author_id	INTEGER	PK, SERIAL	Unique identifier for the author.
author_name	VARCHAR(50)	NOT NULL	Author's name.
avatar_url	TEXT		URL to author's profile picture.

4.2.4. Table mangas

Stores metadata for manga titles.

Attribute Name	Data Type	Constraints	Description
manga_id	INTEGER	PK, SERIAL	Unique identifier for the manga.
manga_title	VARCHAR(50)	NOT NULL	Manga title.
short_summary	VARCHAR(100)		Short summary about the manga
author_id	INTEGER	FK (Ref authors)	References the author.
genre_id	INTEGER	FK (Ref genres)	References the primary genre of the manga.

cover_image	TEXT		URL to cover image.
manga_status	VARCHAR(10)	CHECK ('OnGoing', 'Completed', 'Dropped')	Publication status.
is_highlighted	BOOLEAN	DEFAULT false	Featured status flag.
highlight_end_at	TIMESTAMP		Expiration of featured status.
created_at	TIMESTAMP	DEFAULT NOW()	Creation timestamp.

4.2.5. Table genres

Stores the list of manga genres.

Attribute Name	Data Type	Constraints	Description
genre_id	INTEGER	PK, SERIAL	Unique identifier for the genre.
genre_name	VARCHAR(50)	NOT NULL, UNIQUE	Display name (e.g., 'Action').

slug	VARCHAR	NOT NULL, UNIQUE	URL-friendly name.
------	---------	---------------------	--------------------

4.2.6. Table chapters

Stores information about specific chapters.

Attribute Name	Data Type	Constraints	Description
chapter_id	INTEGER	PK, SERIAL	Unique identifier for the chapter.
manga_id	INTEGER	FK (Ref mangas)	References the parent manga.
uploader_id	INTEGER	FK (Ref users)	References the uploader.
chapter_number	DOUBLE	NOT NULL	Sequential number of the chapter.
Chapter_title	VARCHAR		Chapter title.
price	NUMERIC	DEFAULT 0, CHECK (≥ 0)	Coin cost to unlock.
chapter_status	VARCHAR(10)	CHECK ('Pending', 'Published', 'Rejected')	Approval status.

published_at	TIMESTAMP	DEFAULT NOW()	Publication timestamp.
--------------	-----------	---------------	------------------------

4.2.7. Table chapter_pages

Stores image URLs for pages within a chapter.

Attribute Name	Data Type	Constraints	Description
chapter_id	INTEGER	PK and FK (Ref chapters)	References the chapter.
page_number	INTEGER	PK	Page sequence number.
image_url	TEXT	NOT NULL	Cloud storage URL.
language	VARCHAR	PK	Language version of the page.

4.2.8. Table coin_history

Logs all virtual currency balance changes.

Attribute Name	Data Type	Constraints	Description
history_id	INTEGER	PK, SERIAL	Unique identifier for the log.

user_id	INTEGER	FK (Ref users)	References the user.
amount	INTEGER	NOT NULL	Amount added or deducted.
type	VARCHAR	CHECK ('Deposit', 'Purchase', 'Reward', 'Refund')	Transaction type.
description	VARCHAR		Details of the transaction.
created_at	TIMESTAMP	DEFAULT NOW()	Log timestamp.

4.2.9. Table deposit_transactions

Logs real-money deposits via payment gateways.

Attribute Name	Data Type	Constraints	Description
deposit_id	INTEGER	PK, DEFAULT	Unique identifier for deposit transaction.
user_id	INTEGER	FK (Ref users)	References the user.

amount_vnd	NUMERIC	NOT NULL	Real currency amount (VND).
coins_earned	INTEGER	NOT NULL	Converted coin amount.
payment_method	VARCHAR	NOT NULL	Gateway used (e.g., ZaloPay).
status	VARCHAR	CHECK ('Pending', 'Success', 'Failed')	Transaction status.
created_at	TIMESTAMP	DEFAULT NOW()	Log timestamp.

4.2.10. Table purchased_chapters

Records access rights for purchased content.

Attribute Name	Data Type	Constraints	Description
purchase_id	INTEGER	PK, SERIAL	Unique identifier.
user_id	INTEGER	FK (Ref users)	Buyer.
chapter_id	INTEGER	FK (Ref chapters)	Purchased content.

price_at_purchase	INTEGER	NOT NULL	Price paid at time of transaction.
created_at	TIMESTAMP	DEFAULT NOW()	Purchase timestamp.

4.2.11. Table admin_approve_chapter

Audit log for chapter moderation actions.

Attribute Name	Data Type	Constraints	Description
approval_id	INTEGER	PK, SERIAL	Unique identifier.
admin_id	INTEGER	FK (Ref users)	Admin who performed the action.
chapter_id	INTEGER	FK (Ref chapters)	Target chapter.
action	VARCHAR	CHECK ('Approved', 'Rejected')	Decision made.
reward_amount	INTEGER	DEFAULT 0	Coins rewarded to uploader.
admin_note	TEXT		Admin's feedback.

approve_at	TIMESTAMP	DEFAULT NOW()	Action timestamp.
------------	-----------	---------------	-------------------

4.2.12. Table uploader_requests

Manages applications for Uploader privileges.

Attribute Name	Data Type	Constraints	Description
request_id	INTEGER	PK, SERIAL	Unique identifier.
user_id	INTEGER	FK (Ref users)	Applicant.
note	TEXT		Application reason.
status	VARCHAR(10)	CHECK ('Pending', 'Approved', 'Rejected')	Application status.
created_at	TIMESTAMP	DEFAULT NOW()	Submission timestamp.
updated_at	TIMESTAMP	DEFAULT NOW()	Last update timestamp.

4.2.13. Table reading_history

Tracks user reading progress.

Attribute Name	Data Type	Constraints	Description
user_id	INTEGER	PK, FK (Ref users)	Reader.
chapter_id	INTEGER	PK, FK (Ref chapters)	Current chapter.
last_page_read	INTEGER	DEFAULT 1	Last page viewed.
last_read_at	TIMESTAMP	DEFAULT NOW()	Last activity timestamp.

4.2.14. Table comments

Stores interactions on chapters.

Attribute Name	Data Type	Constraints	Description
comment_id	INTEGER	PK, SERIAL	Unique identifier.
user_id	INTEGER	FK (Ref users)	Commenter.
chapter_id	INTEGER	FK (Ref chapters)	Target chapter.
content	TEXT		Comment text.

rating	INTEGER	CHECK (1 <= rating <= 5)	Optional rating.
created_at	TIMESTAMP	DEFAULT NOW()	Posting timestamp.

4.2.15. Table favorites

Stores user's saved manga list.

Attribute Name	Data Type	Constraints	Description
user_id	INTEGER	PK, FK (Ref users)	User.
manga_id	INTEGER	PK, FK (Ref mangas)	Saved manga.
added_at	TIMESTAMP	DEFAULT NOW()	Timestamp added.

4.2.16. Table otp_codes

Stores temporary authentication codes.

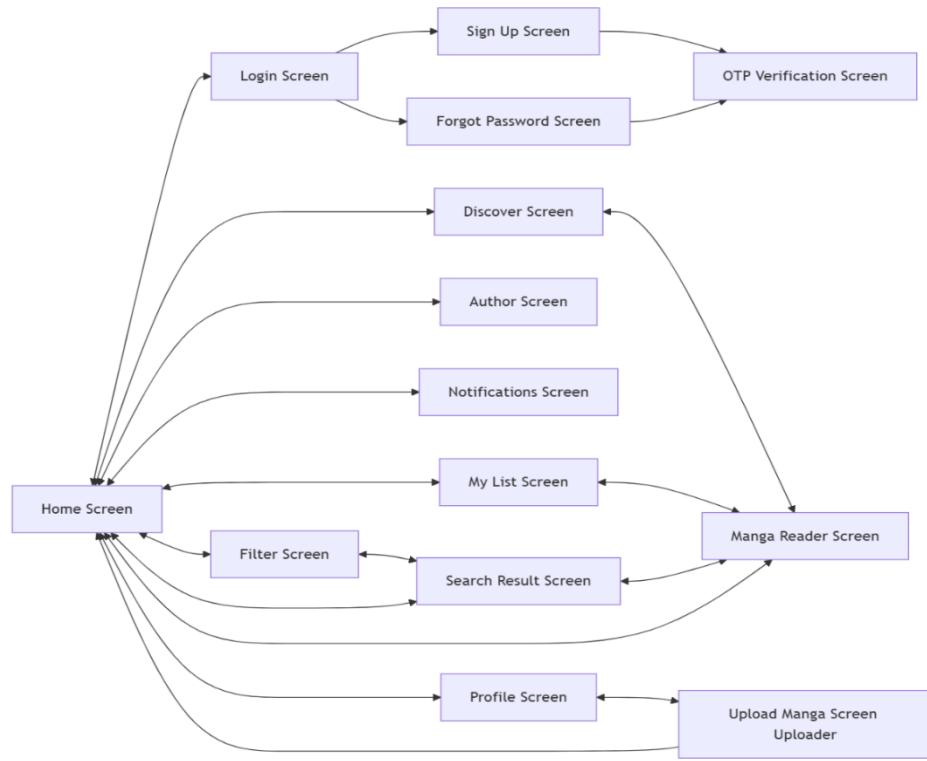
Attribute Name	Data Type	Constraints	Description
id	INTEGER	PK, SERIAL	Unique identifier.

email	VARCHAR	NOT NULL, UNIQUE	Associated email.
otp	VARCHAR	NOT NULL	The code itself.
otp_expiry	TIMESTAMP	DEFAULT +2 mins	Expiration time.
created_at	TIMESTAMP	DEFAULT NOW()	Generation timestamp.

5 User Interface and User Experience Design

5.1 Screen Diagram

5.1.1. User subsystem screen diagram



Seq	Screen	Description
1	Login Page	This screen allows users to enter their account credentials (email/username and password) to access their personal account.

2	Forgot Password	This screen allows users to request a password reset by entering their registered email. A verification code will be sent to their contact information.
3	Sign up Page	This screen enables new users to create an account by entering required information such as email, and password.
4	OTP Verification Screen	This screen is used to verify the user's identity by entering an OTP code sent to their email.
5	Home Screen	This is the main landing page of the application, displaying featured manga, trending categories, recommended content.
6	Discover Screen	A browsing page that allows users to explore manga details based on popular mangas or recommendations.
7	Author Screen	This screen displays profiles of manga authors, including their published works, biography, and related titles.
8	Notification Screen	This screen displays system alerts and personalized notifications such as new chapter updates, announcements.
9	My List Screen	This page shows the user's saved and personalized manga collections such as favorites and current reads. It serves as a personal library for quick access.
10	Manga Reader Screen	This screen allows users to read manga chapters with navigation controls, zoom features, page

		transitions, and reading settings such as automatic translation
11	Filter Screen	A filtering interface used to narrow search or discovery results based on various criteria such as genre, status, rating, popularity, release year, or number of chapters.
12	Upload Manga Screen	This screen is dedicated to uploaders, allowing them to submit new manga by providing title information, cover image, description, tags, and metadata.
13	Profile Screen	This screen displays the user's personal information, account settings, activity history, role-based features, and shortcuts to user functions (such as upload or admin approval).
14	Search Result Screen	This screen presents the results of a user's search query, showing manga that match the search term. It may include sorting tools and navigation to individual manga detail pages.

5.1.2. Admin subsystem screen diagram

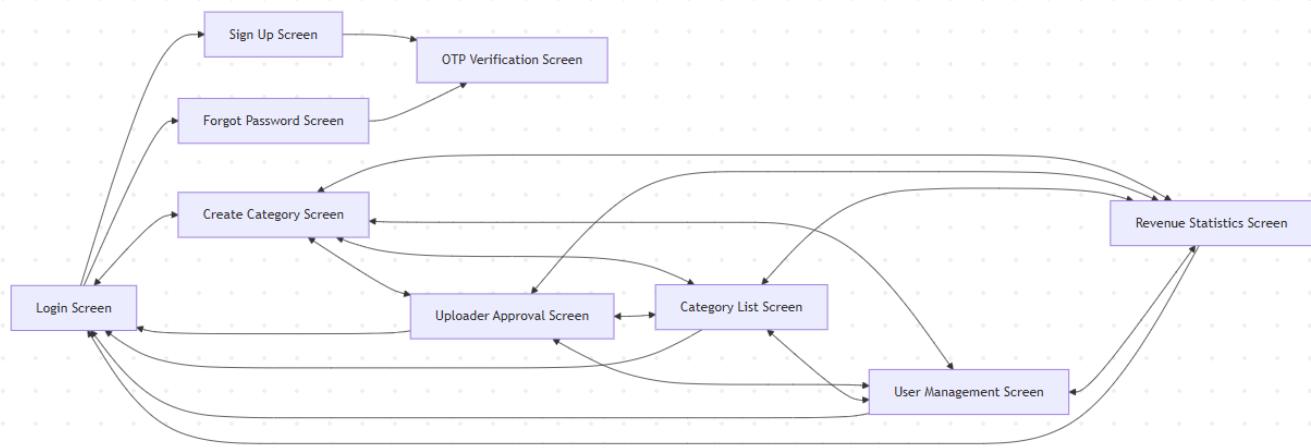
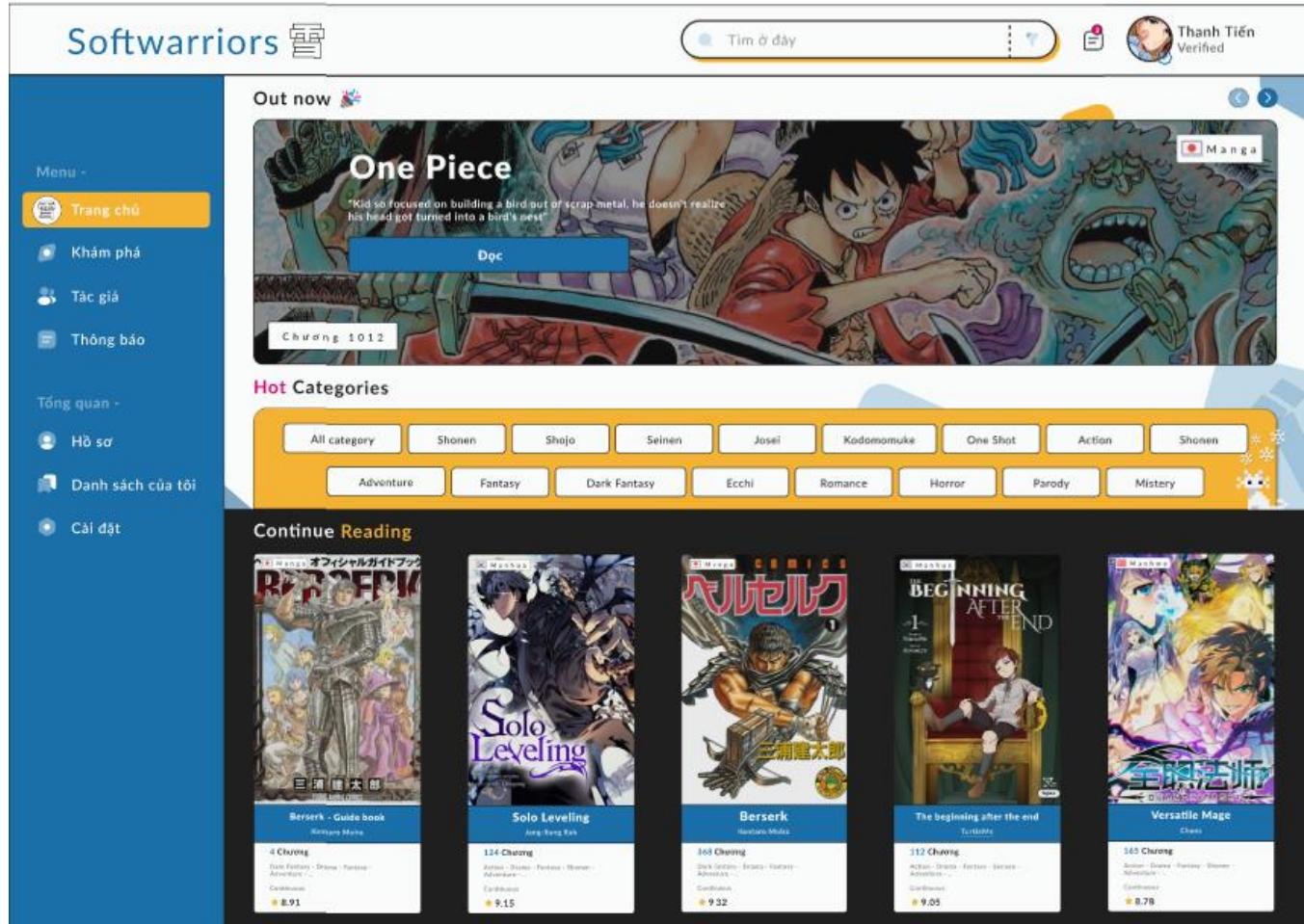


Figure 6: Admin subsystem screen diagram

5.2 Screen Specifications

5.2.1 Home Page Screen



Seq	Component	Description	Action
1	Manga Panel	Shows currently updated manga	Click "Read" to start reading the manga.
2	Categories Panel	Shows popular categories	Any click on a category shows all manga of the category.
3	Current Read Panel	Shows current read manga	Click on any manga to continue reading the manga.
4	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.

5	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.
---	------------------	--	---

5.2.2 Discover Page

Popular this month

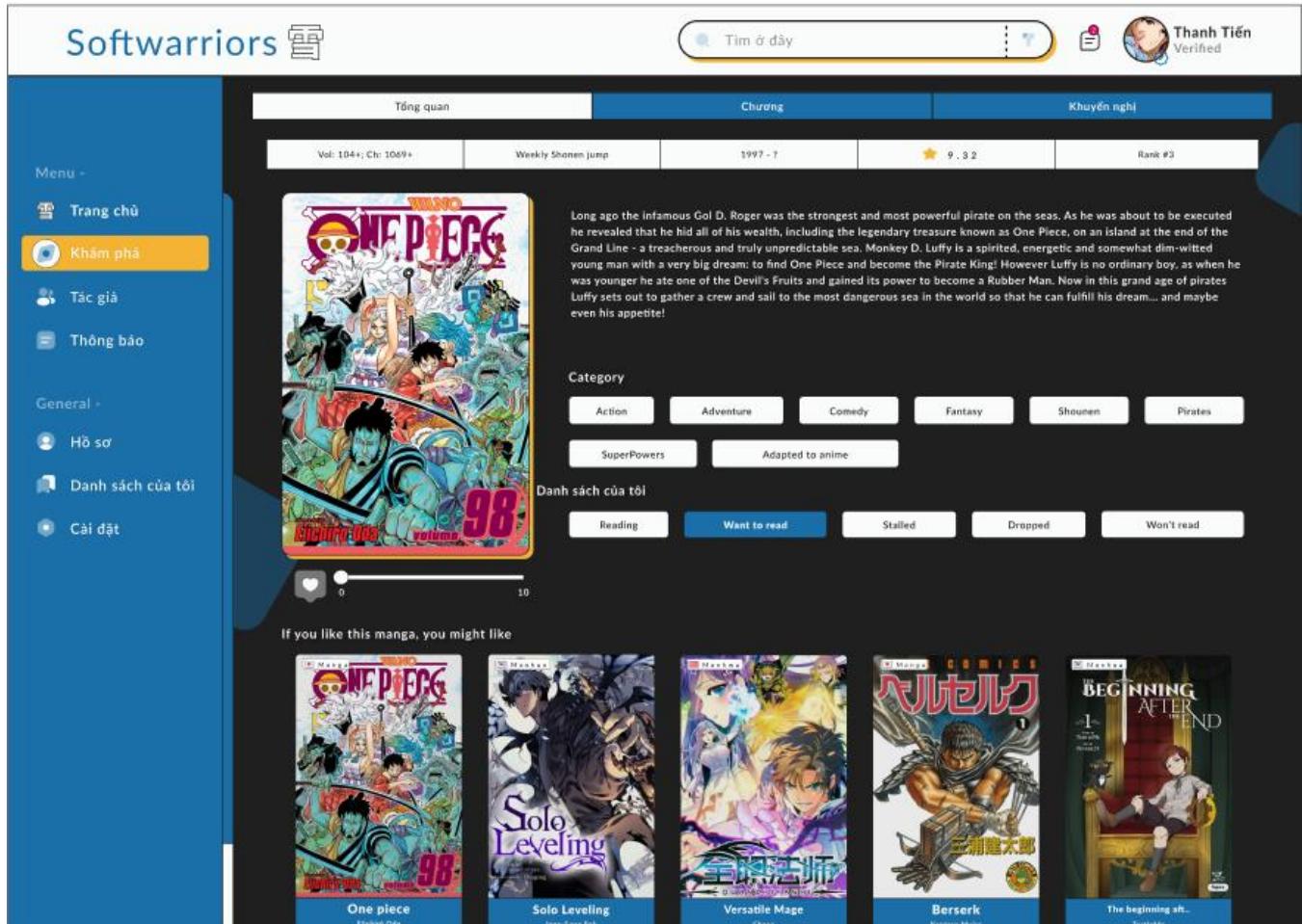
Chapter	Title	Author	Genre	Rating
1012	One piece	Eiichiro Oda	Action - Drama - Fantasy - Shonen - Adventure - ...	9.36
124	Solo Leveling	Jung-Jung Roh	Action - Drama - Fantasy - Mystery - Adventure - ...	9.15
145	Versatile Mage	Chase	Horror - Mystery - Fantasy - Adventure - ...	8.78
368	Berserk	Mattia Mulas	Goku Fantasy - Drama - Fantasy - Adventure - ...	9.32
112	The beginning after the end	Turtelta	Action - Drama - Fantasy - Adventure - ...	9.05

Recent uploads

Chapter	Title	Author	Genre	Rating
4	Berserk - Guide book	Kotteros Mu Ira	Disk Fantasy - Drama - Adventure - ...	8.91
165	Versatile Mage	Chase	Action - Drama - Fantasy - Mystery - Adventure - ...	8.78
124	Solo Leveling	Jung-Jung Roh	Action - Drama - Fantasy - Mystery - Adventure - ...	9.15
112	The beginning after the end	Turtelta	Action - Drama - Fantasy - Adventure - ...	9.05
1012	One piece	Eiichiro Oda	Action - Drama - Fantasy - Shonen - Adventure - ...	9.36

Recommendation Section			
Seq	Component	Description	Action
1	“See more” Button	Display all the related manga	Click this button to display all manga related to the attribute.

2	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.
3	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.



Overview Section

Seq	Component	Description	Action
1	Category Panel	Shows category of currently chosen manga	Any click on a category shows all manga of the category.

2	Status Panel	Show status of the current manga.	Click on any of the status to change status.
3	Related Manga Panel	Show related manga.	Click on any manga to read overview.
4	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.
5	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.

The screenshot shows the Softwarriors manga reading application. The top navigation bar includes a logo, a search bar with placeholder text "Tim ở đây", and a user profile section for "Thanh Tiến Verified". The main content area features a sidebar with a "Menu" section containing links like "Trang chủ", "Khám phá", "Tác giả", "Thông báo", "General" section with "Hồ sơ", "Danh sách của tôi", and "Cài đặt", and a "Chương" section showing a list of chapters from 999 to 1012. Each chapter entry has three icons: a person icon, a speech bubble icon, and a download icon.

Chương	Actions
Chương 1012	Person, Speech, Download
Chương 1011	Person, Speech, Download
Chương 1010	Person, Speech, Download
Chương 1009	Person, Speech, Download
Chương 1008	Person, Speech, Download
Chương 1007	Person, Speech, Download
Chương 1006	Person, Speech, Download
Chương 1005	Person, Speech, Download
Chương 1004	Person, Speech, Download
Chương 1003	Person, Speech, Download
Chương 1002	Person, Speech, Download
Chương 1001	Person, Speech, Download
Chương 1000	Person, Speech, Download
Chương 999	Person, Speech, Download

<i>Chapter Section</i>			
<i>Seq</i>	<i>Component</i>	<i>Description</i>	<i>Action</i>
1	Download Button	Download all chapters or chosen chapter.	Click the button to download the manga or single chapter.
2	Eye Icon	Enter reading mode of the chapter.	Click on the icon to start reading the chapter.
3	Comment Icon	Enter comment box.	Click on the icon to start commenting.
4	Sort Icon	Sort the chapters.	Click on the icon to change the sort order of the chapters.
5	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.
6	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.

5.2.3 Author Page

Seq	Component	Description	Action
1	Author Panel	Display author information.	None
2	Author Search Bar	Enter author name to search for author.	Enter name and enter to search for author.
3	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.
4	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.

5.2.4 Notification Page

The screenshot shows the Softwarriors website interface. The top navigation bar includes the logo 'Softwarriors' with a cloud icon, a search bar with placeholder 'Tim ở đây', a user profile for 'Thanh Tiến Verified', and a notifications icon. The left sidebar has a 'Menu -' section with 'Trang chủ', 'Khám phá', 'Tác giả', and 'Thông báo' (highlighted with a yellow box). Below it is a 'General -' section with 'Hồ sơ', 'Danh sách của tôi', and 'Cài đặt'. The main content area is titled 'Thông báo' and contains three announcement cards:

- One piece** Chương 1012 đã được thêm
- Solo leveling** Chương 124 đã được thêm
- Versatile mage** Chương 165 đã được thêm

Each card includes a timestamp (45 minutes ago or 2 giờ trước), the title, and a three-dot menu icon.

Seq	Component	Description	Action
1	Dots Icon	Display specific message of the notification.	Click on icon to show message of the notification.
2	Sort Icon	Sort notification by time.	Click on icon to change sort order.
3	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.
4	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.

5.2.5 Profile Page

The screenshot shows the profile page for a user named 'Thanh Tiến'. The page has a dark theme with a blue sidebar on the left containing a navigation menu. The main content area displays a profile picture of a girl and the user's name 'Thanh Tiến'. Below this is a donut chart showing the distribution of manga chapters read across six categories: Reading (33%), Favourite (44%), Want to read (11%), Dropped (11%), Stalled (11%), and Won't read (0%). A text overlay at the bottom states '1142: Number of Chương you have read'.

Category	Percentage
Reading	33%
Favourite	44%
Want to read	11%
Dropped	11%
Stalled	11%
Won't read	0%

<i>Profile Page (for Reader)</i>			
<i>Seq</i>	<i>Component</i>	<i>Description</i>	<i>Action</i>
1	Pencil Button	Edit username and avatar.	Click on the icon to change and enter username to change username or choose image to change avatar.
2	Pie Chart	Shows ratio of types of chapters users have read.	Any click on a category shows all manga of the category.
3	Log Out Button	Log out of current account.	Click on the button to log out of current account.
4	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.
5	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.

The screenshot shows the profile page of a user named Thanh Tiến on the Softwarriors platform. The interface includes a sidebar with navigation links like Trang chủ, Khám phá, Tác giả, Thông báo, and Hồ sơ. The main content area displays a dashboard with a profile picture of Thanh Tiến, a button to Đăng truyện, and a pie chart titled "1142: Number of Chương you have read". The pie chart categories and percentages are:

Category	Percentage
3 : Reading	44%
1 : Want to read	32%
1 : Stalled	11%
0 : Dropped	0%
0 : Won't read	0%
4 : Favourite	11%

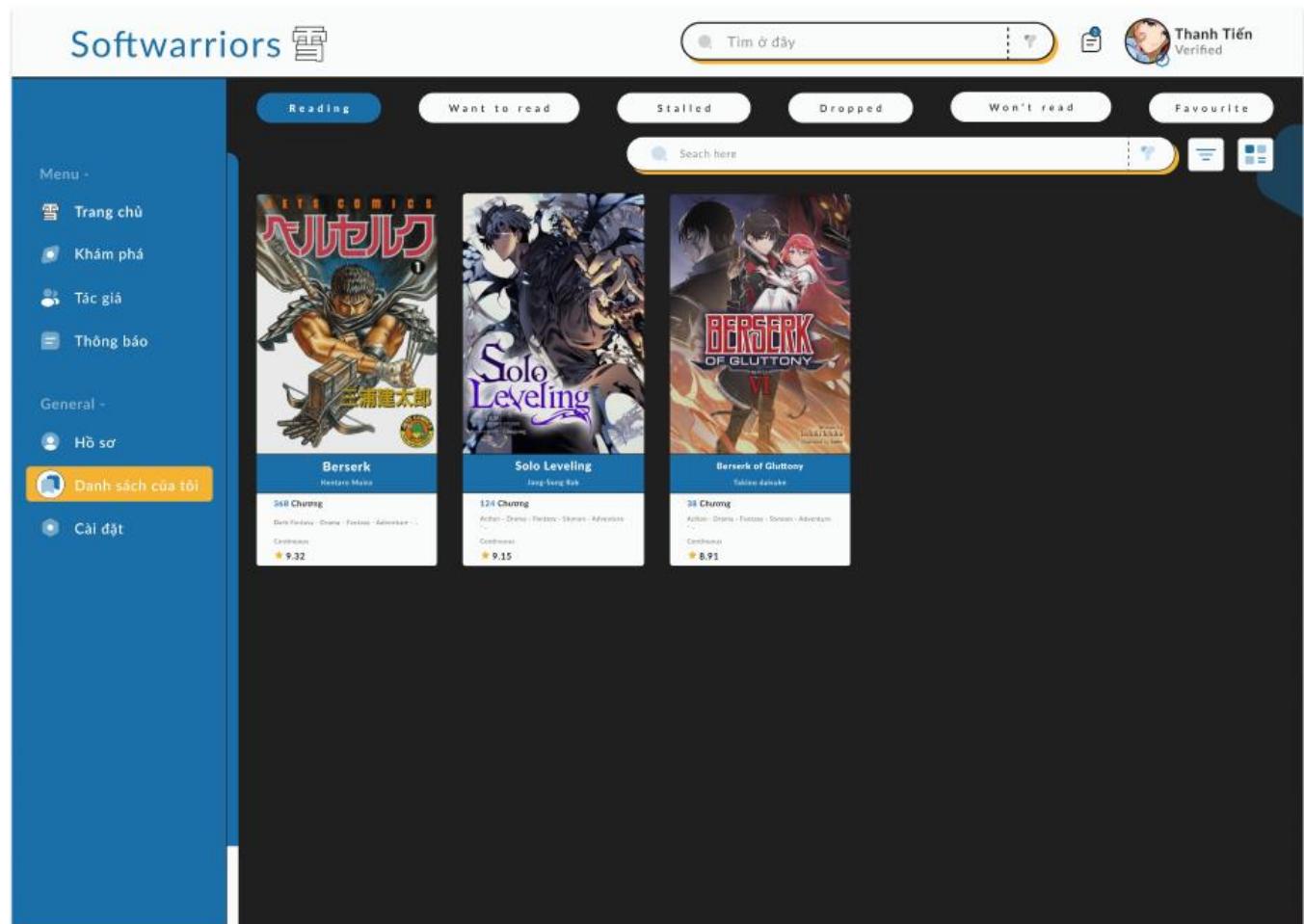
Below the chart is a button labeled Đăng xuất. To the right, there is a section titled "Truyện đã đăng" (Published Stories) showing two entries: "Chương 1012 (Đã duyệt)" and "Chương 1011 (Đang chờ)".

Profile Page (for Uploader)

Seq	Component	Description	Action
1	Pencil Button	Edit username and avatar.	Click on the icon to change and enter username to change username or choose image to change avatar.
2	Pie Chart	Shows ratio of types of chapters users have read.	Any click on a category shows all manga of the category.

3	Log Out Button	Log out of current account.	Click on the button to log out of current account.
4	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.
5	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.
6	Uploaded Manga Panel	Shows uploaded manga information. Approved mangas are highlighted.	None

5.2.6 My List Page



<i>Seq</i>	<i>Component</i>	<i>Description</i>	<i>Action</i>
1	Manga Status Bar	Display current mangas for chosen status.	Click on any status to display manga of that status.
2	Manga Panel	Shows manga result of chosen status.	Click on any manga to read manga details.
3	Navigation Menu	Shows other pages such as Discover, Author,...	Click on a page to navigate to that page.
4	Manga Search Bar	Enter keywords(genre) to search for manga.	Enter keywords and press enter to show results.