

Prepared by Aurora Team (Group – 4)

EWSD Group Project

Aurora University Magazine

Date : 10 May, 2025



Our Project Team



Thu Za Myat (Team Lead)

Scrum Master, Database Designer,
System Analysis, Documentation



Kyaw Thu

Database Developer,
Data Entry



Zar Li Maw
UI/UX Designer,
Information Architecture



Swe Thu Htet
Frontend Engineer
(Developer)



Myat Paing Min
Backend Engineer
(Developer, Data Engineer)



Htet Wai Yan
Frontend Engineer
(Developer)



Zay Yar Lin Htut
Backend Engineer
(Developer, Data Entry)



Thi Han Naing
Tester



Wut Yi Oo
Tester, Documentation



Duty and Responsibility

No	Name	Duty and Responsibility
1	Thu Za Myat (Team Lead)	Served as the Scrum Master, Database Designer (Logical), and led our System Analysis, Screen Cast, program tester for specification and finalize documentation tasks.
2	Zar Li Maw	UI/UX Designer and Information Architect. She designed the system layout and ensured the best user experience. Documentation for Meeting Minutes.
3	Swe Thu Htet	Frontend Engineer (Developer) : Group Lead He worked on developing the system's user interface and functionality.
4	Htet Wai Yan	Frontend Engineer (Developer) and Tester (frontend) He also focused on building a seamless frontend experience
5	Kyaw Thu	Database Developer (Physical) and Data Entry He managed database development and data entry tasks.
6	Myat Paing Min	Backend Engineer (Developer) : Group Lead He worked on backend development and data engineering to ensure system performance.
7	Zay Yar Lin Htut	Backend Engineer (Developer) and Tester (frontend) He contributed to backend development and database integration.
8	Thi Han Naing	Tester : Group Lead He focused on prepare test log. Finding bugs and ensuring system quality.
9	Wut Yi Oo	Tester (support) and Documentation (Lead) She worked on system testing, prepare test log and Lead format and finalize documentation

Topics

- 1. System Introduction & Future Developments**
- 2. Documentation**
- 3. Program Design & Frontend Developments**
- 4. Testing**
- 5. Database & Backend Developments**
- 6. Program Runtime (Demo)**



Project Overview and Key Feature

Project Overview:

Our project focuses on providing

- a secure, role-based system for managing student article submissions
- reviews, and publications for the university magazine.

Using this platform, different users can contribute, review, and manage magazine content efficiently as

- Admins
- Marketing Managers
- Marketing Coordinators
- Student
- Guest

Key Feature :

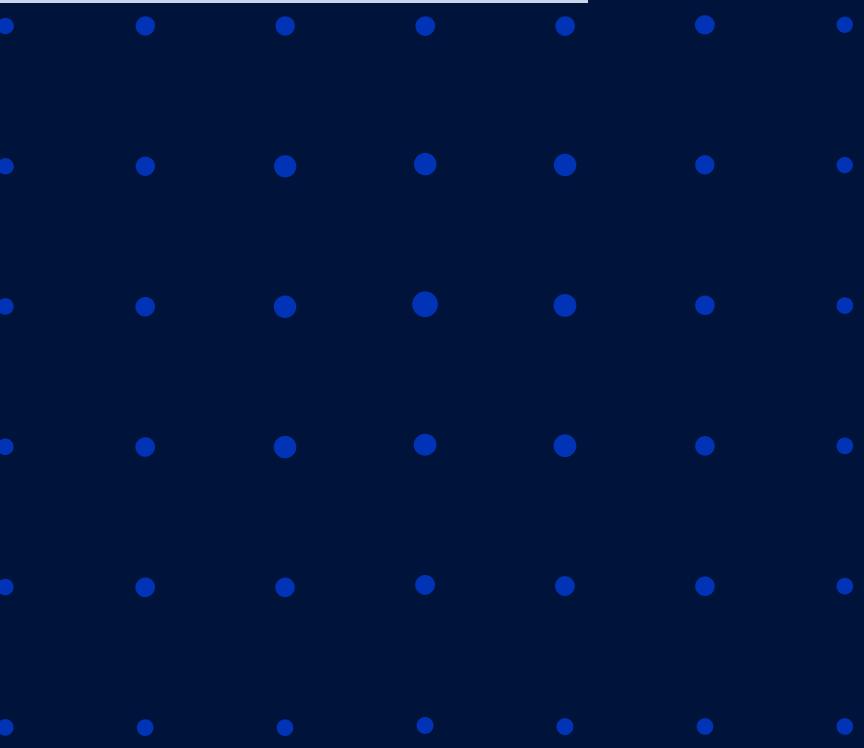
The system includes key features such as:

- Secure role-based login /
- Article submission, editing, and publication
- Role-specific dashboards and notifications
- Feedback and approval workflows
- User management and reporting tools

We designed the system with a focus on security, usability, and efficiency

System Introduction

- Developed a **secure, role-based web system** for managing student submissions to the **AURORA University annual magazine**.
- Supports **six faculties**: Science, Mathematics, Art, Engineering, IT, and Business.
- Ensures **data protection** by assigning roles: **Admin, Student, Guest, Marketing Coordinator, Marketing Manager**.
- Built using **Agile SCRUM methodology** with clear team roles and collaboration.
- Focuses on a **user-friendly design** to ensure smooth, secure, and efficient article submission and management.



Feature (Extended Future Development)

□ Enhanced User Experience

- Download “Article of the Year” as polished PDFs
- Reading history tracker for effortless revisits
- Improved multilingual support (buttons, forms, articles)

□ Business Concept Features

- Premium subscription for best-selling author articles
- Guest user access for special events
- Research library with excellent student papers

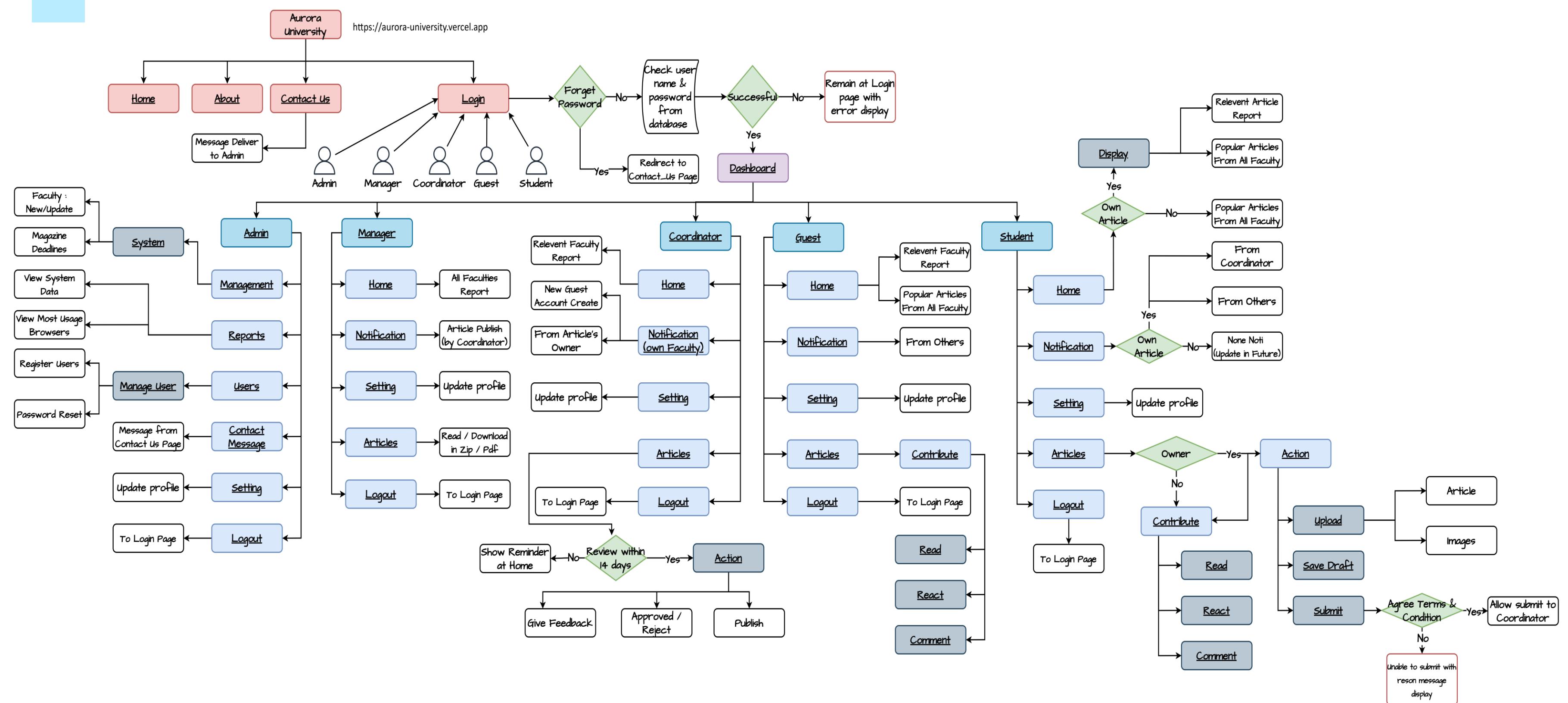
□ Community Engagement

- Follow favorite authors
- Post comments on author profiles

□ Accessibility Enhancements

- Keyboard navigation
- Screen reader support
- Resizable text for better usability

Site Map



Methodology, Technologies Used, Challenges and Solutions



Mehodology:

We followed Agile Scrum methodology to develop the system in sprints.

We held regular meetings, sprint plannings, daily standups, and sprint reviews to ensure continuous improvement throughout the project.

Technologies:

We using different technologies and different platform as follows;

- UI/UX Design : Figma, Canva
- Frontend : HTML, CSS, JavaScript
- Backend : PHP
- Database : MySQL
- Hosting : Vercel for frontend, database hosted separately on MySQL Workbench
- Tools : GitHub for version control, Trello for task management, Draw IO for diagrams, Microsoft Project for Gantt Chart & Project Control, Microsoft office (Word, Excel, Powerpoint)

Challenges & :

Integrating secure login across different user roles, Managing real-time article submission status, Maintaining system performance under multiple access points.

Solutions :

We overcame these challenges through strong team collaboration, encourage to each other, regular testing, team reinforcement and research.

Planning : RACI CHART

S/N	Description	Frontend	Database	Backend	Tester	Document	Team Lead	Product Owner
		Group	Group	Group	Group	Group	Thu Za Myat	TR. Htar
1	Template to finalize	R	I	I	I	I/R	A	C
2	Form Design	R	I	I	I	I/R	A	C
3	System and Function Anlysis	R	R	R	I	I/R	A	C
4	Reaction of design, Interaction by using VUEJS	R	I	R	I	I/R	A	C
5	Create Form and backend coading by using Laravel	I	R	R	I	I/R	A	C
6	Database Design	I	R	R	I	I/R	A	C
7	ERD	I	R	I	I	I/R	A	C
8	Normalization	I	R	I	I	I/R	A	C
9	Use Case Diagram	I	R	I	I	I/R	A	C
10	Class Diagram	I	R	I	I	I/R	A	C
11	Insert Sample Dataset for Coding	I	I	R	R	I/R	A	C
12	Prepare Dataset for Project	I	R	I	I	I/R	A	C
13	Insert Dataset Through From Form		I	R			A	C
14	Testing	I/R	I/R	I/R	R/A	I/R	I	C
15	Documentation : Report Template	I	I	I	I	R	A	C
16	Documentation : Power Point	I	I	I	I	R	A	C
17	Documentation : Weekly Meetign Minute	I	I	I	I	R	A	C
18	Presentation	I	I	I	I	R	A	C
19	Submission	I	I	I	I	I	R/A	C

R : Responsible

A : Accountable

C : Consult

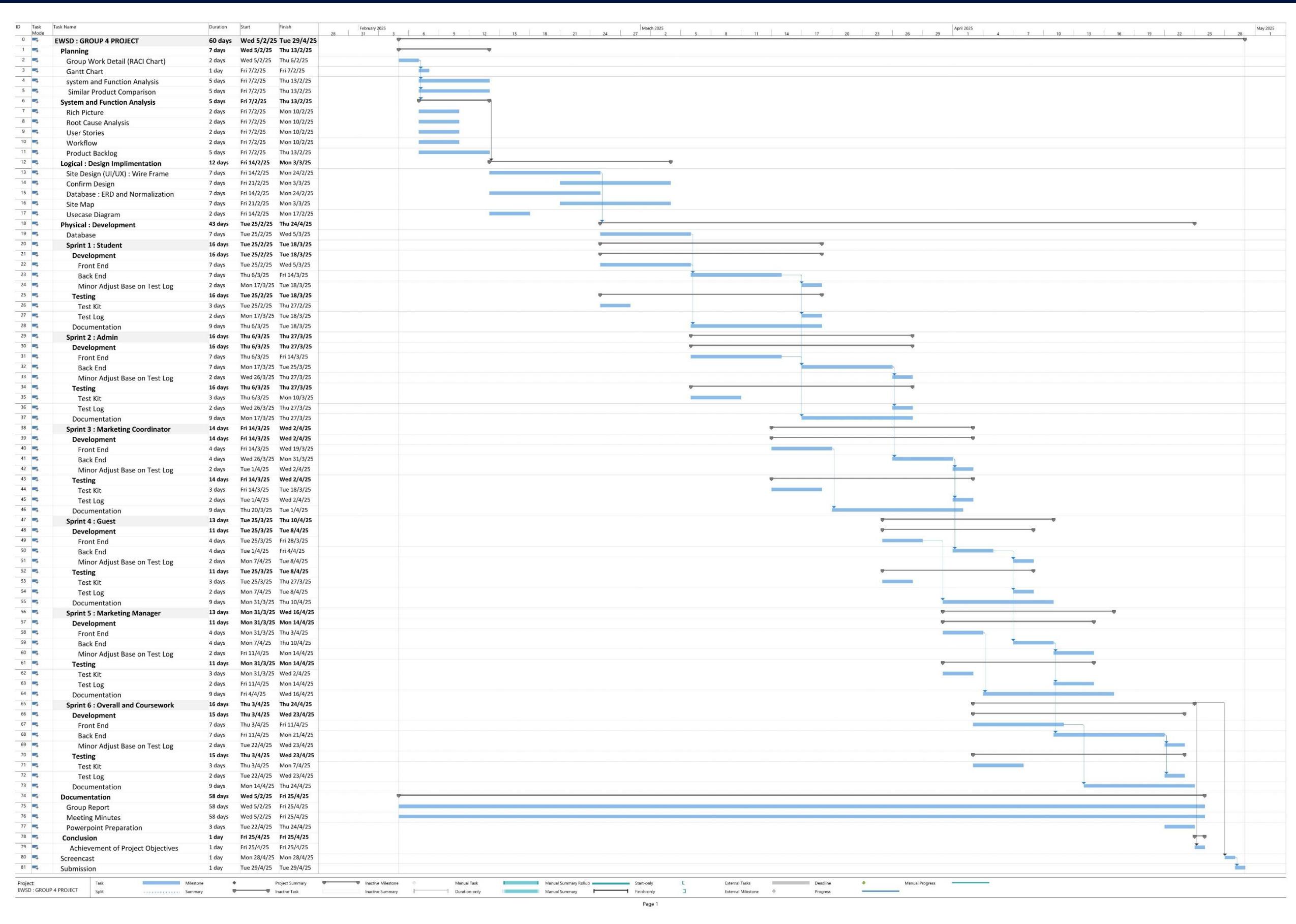
I : Inform

RACI is the model that quick way to lay out roles and duties on the project.

If the project is slow down or any barrier, easy to trace back which area require for reinforcement.

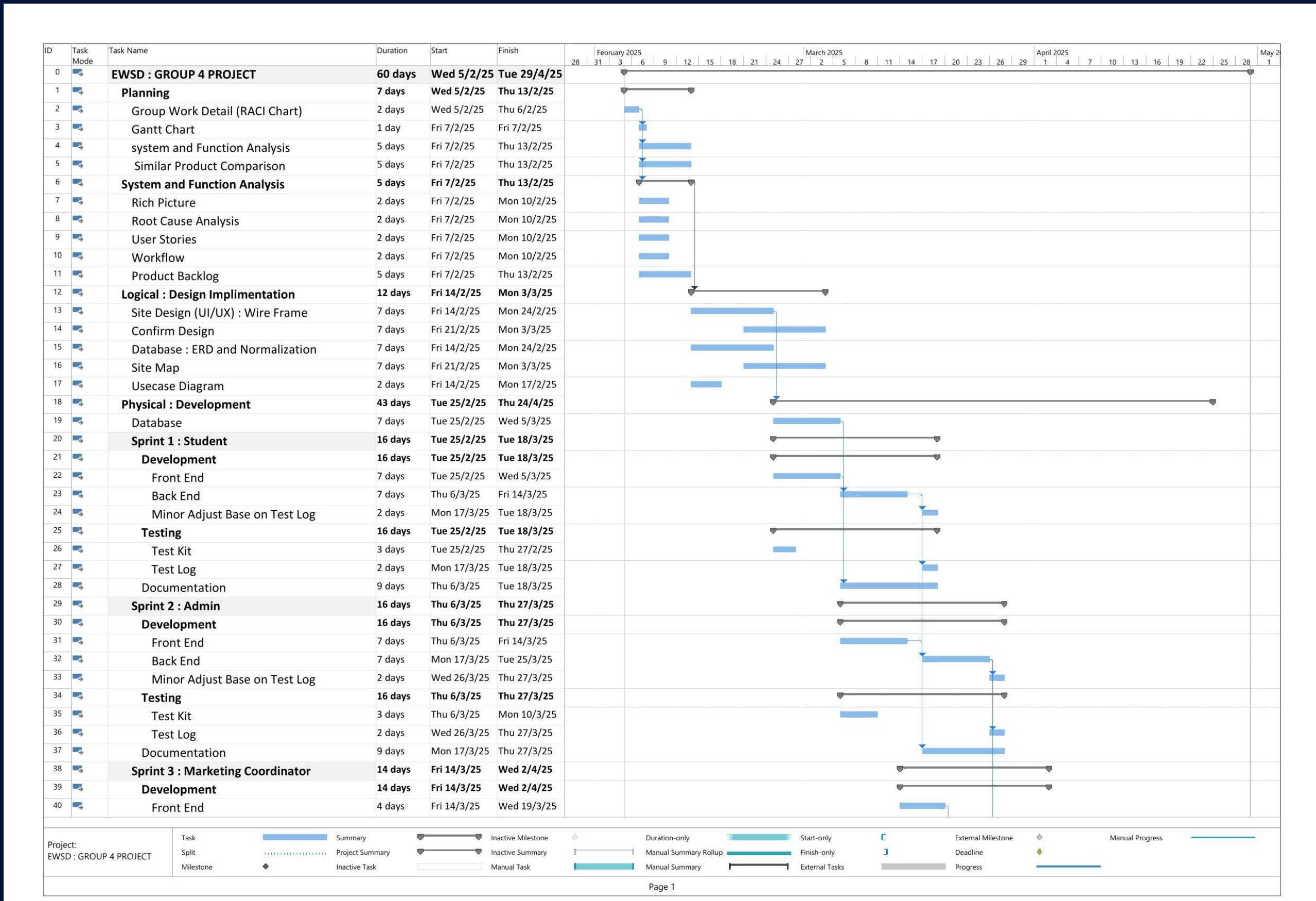
Our team use for RACI chart to assign duties and roles before starting the project.

Planning : Gantt Chart

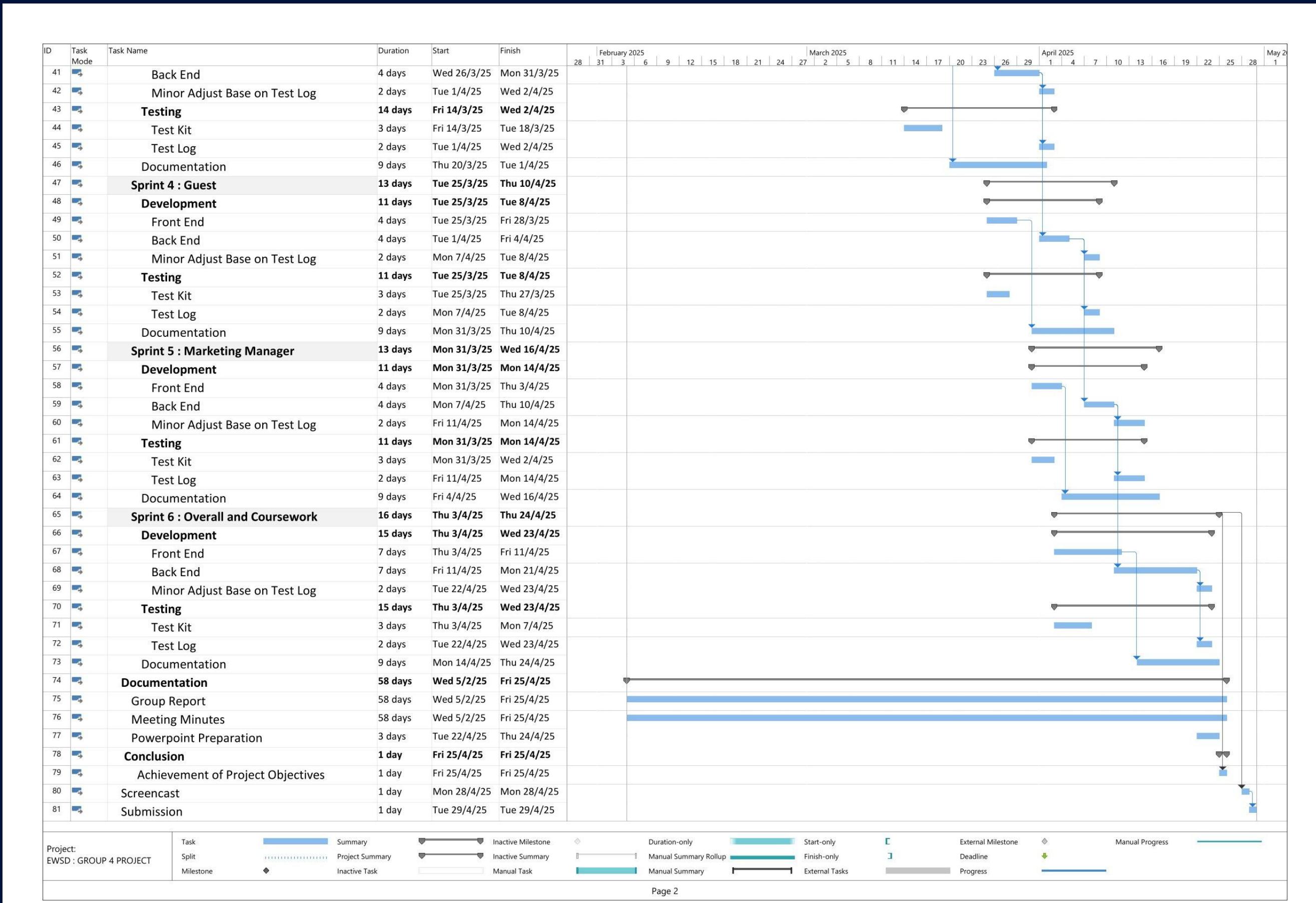


Total Duration :
60 days

Planning : Gantt Chart



Planning : Gantt Chart



Product Backlog & Sprint Planning



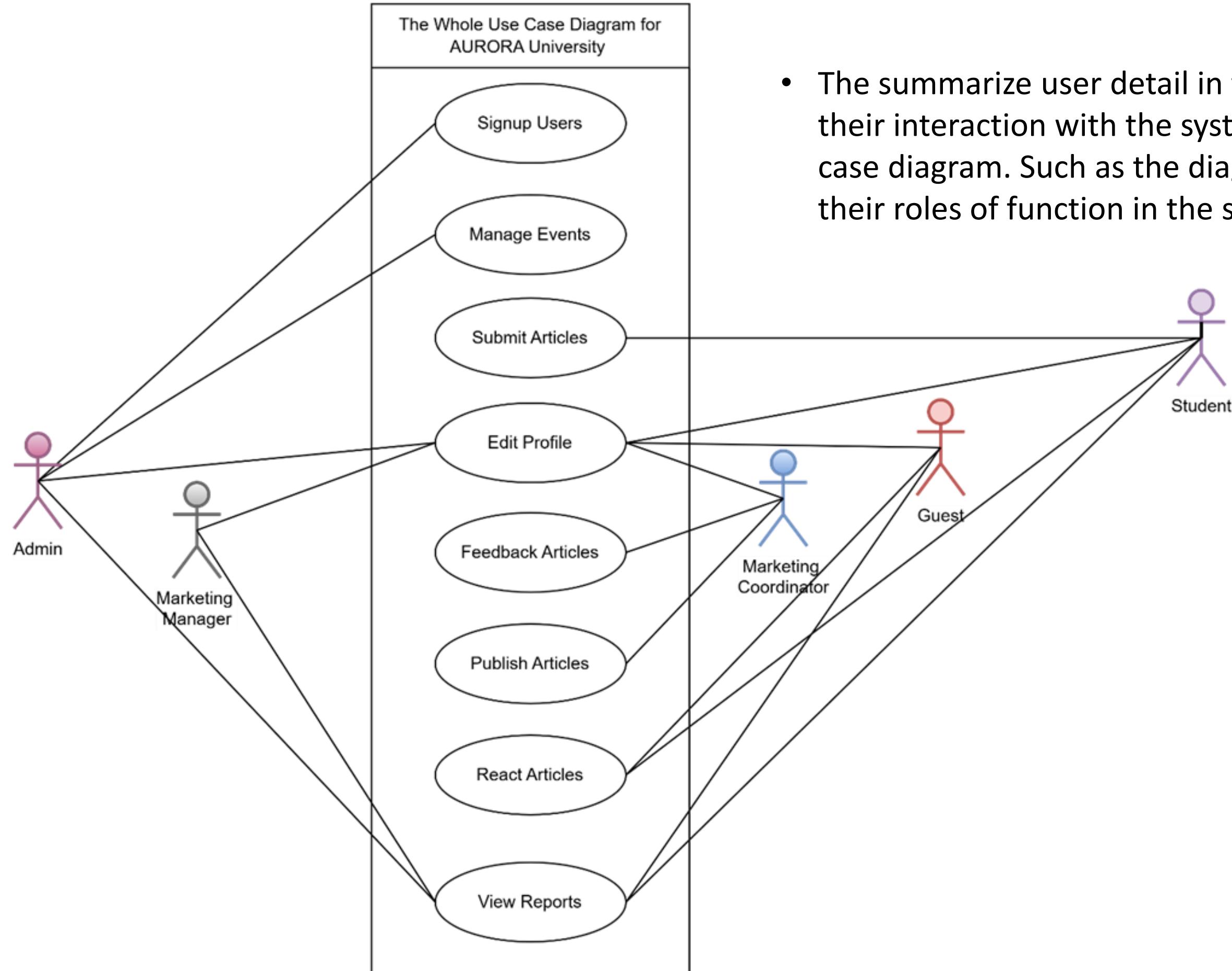
Product Backlog:

- ❑ The **Product Backlog** was created at the start of the project to prioritize tasks and guide the development process.
- ❑ It listed essential features and improvements, helping the team stay organized and efficient.
- ❑ Items were arranged by importance, ensuring the most critical functions were addressed first.

Sprints:

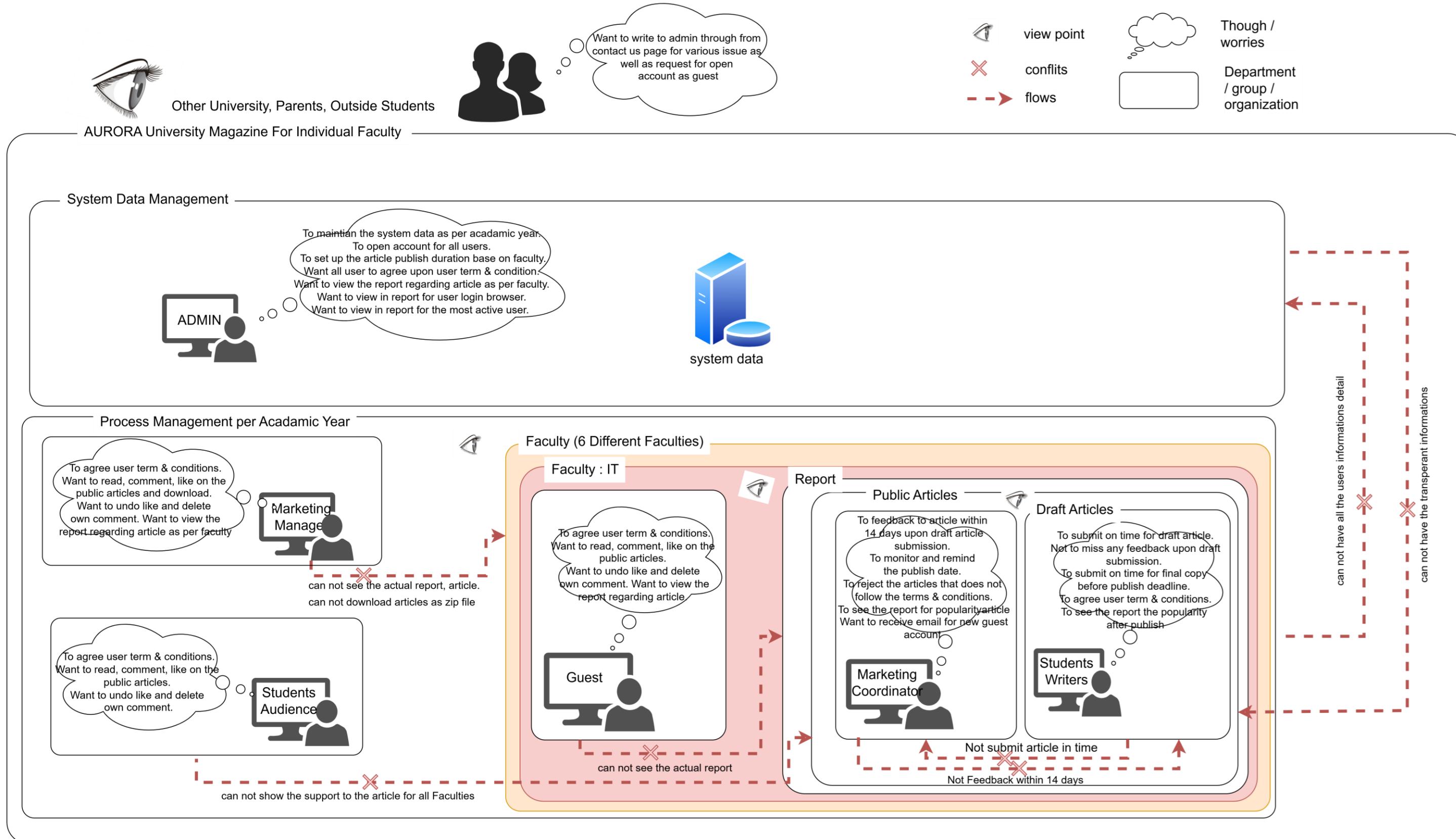
- ❑ The backlog was divided into smaller, time-boxed development cycles called **Sprints**.
- ❑ Each Sprint focused on delivering specific, working features for the system.
- ❑ This allowed the team to adapt to feedback, improve quality, and ensure steady progress.

Usecase Diagram



- The summarize user detail in the system with their interaction with the system is the use case diagram. Such as the diagram of user and their roles of function in the system.

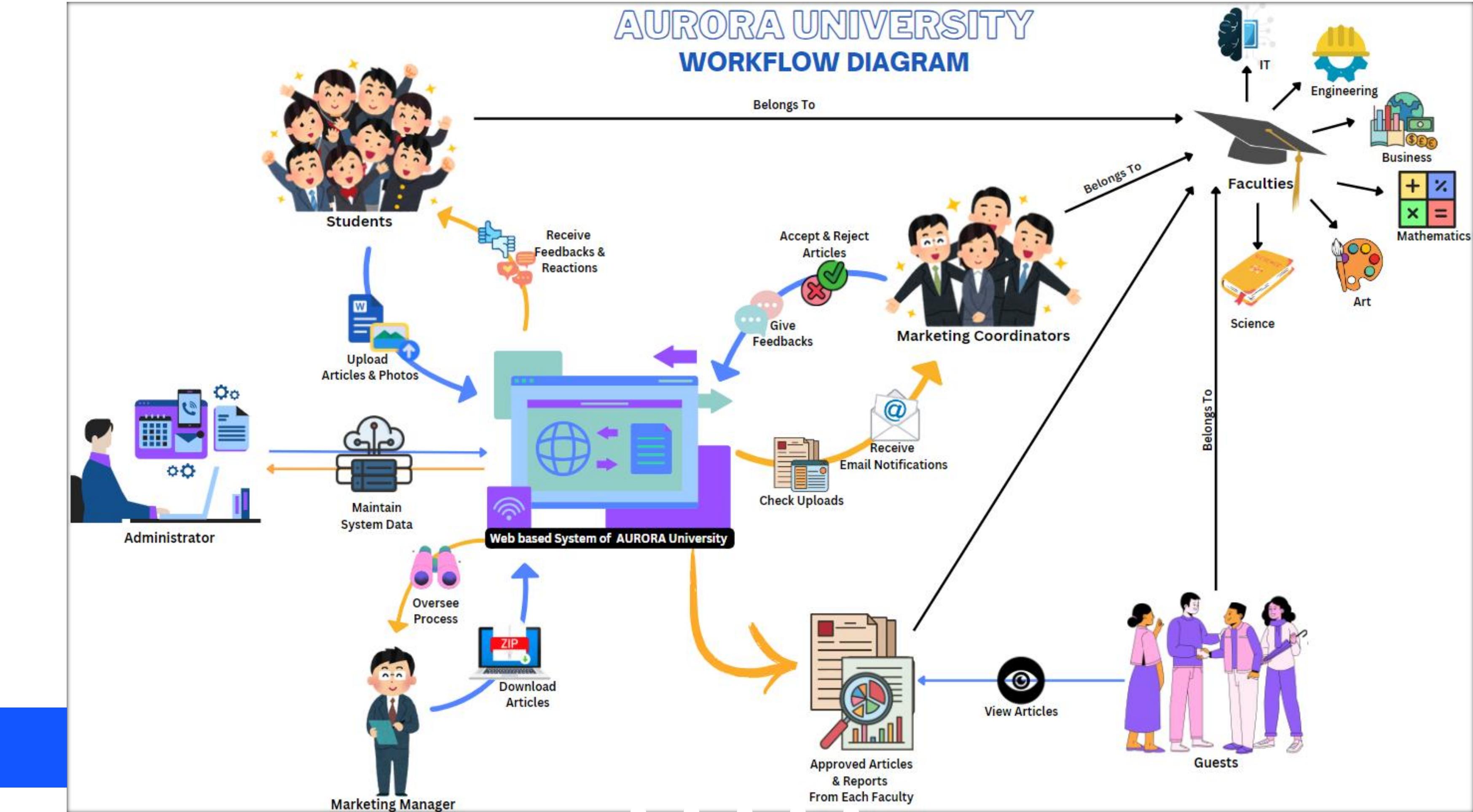
Analysis : Rich Picture



Rich Picture : A virtualize approach for the various related part of the problem in current situation.

Root Cause Analysis : Root cause are the source of the problem that facing the organization but they are hidden.

Workflow Diagram



Group : Documentation



Wut Yi Oo (Lead)

Documentation : Overall



Zar Li Maw

Documentation :
Meeting Minute

**EWSD
Group 4**

Thu Za Myat (Team Lead)
Documentation : Overall



Documentation (Group Report)

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Documentation (Group Report)

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Group : Front End



Swe Thu Htet (Group Lead)
Frontend Engineer
(Developer)



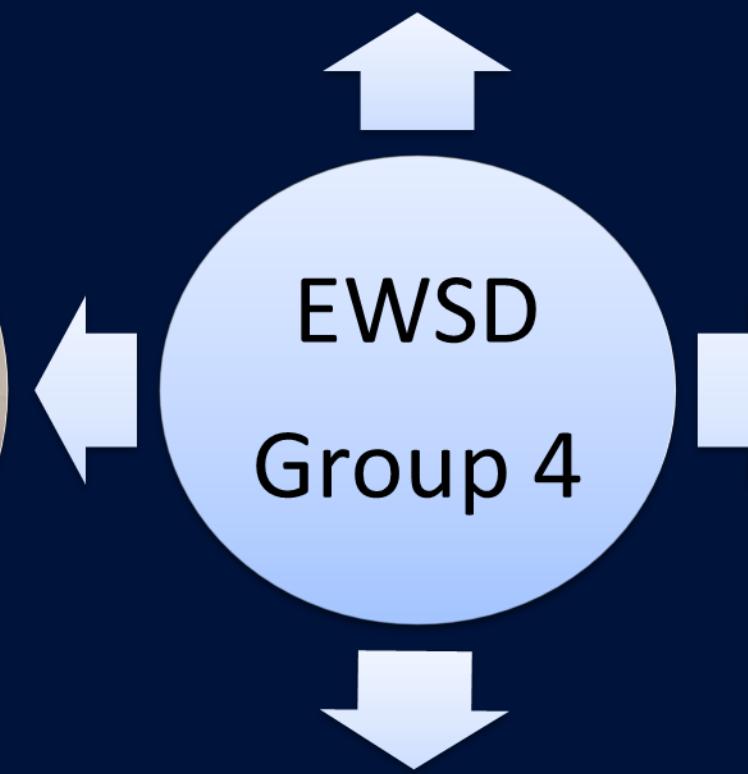
Zar Li Maw
UI/UX Designer,
Information Architecture



Htet Wai Yan
Frontend Engineer
(Developer)



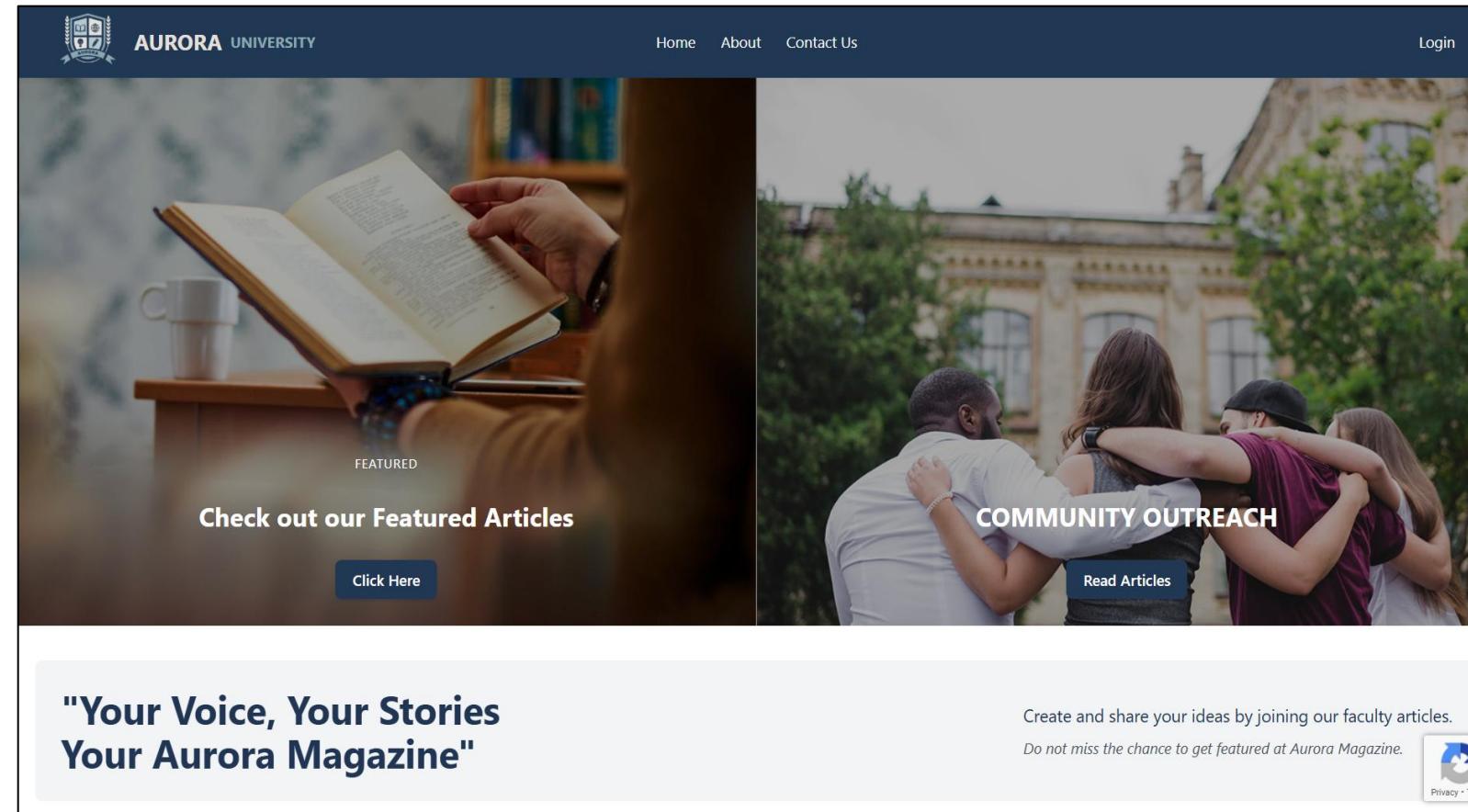
Thu Za Myat (Team Lead)
System Analysis



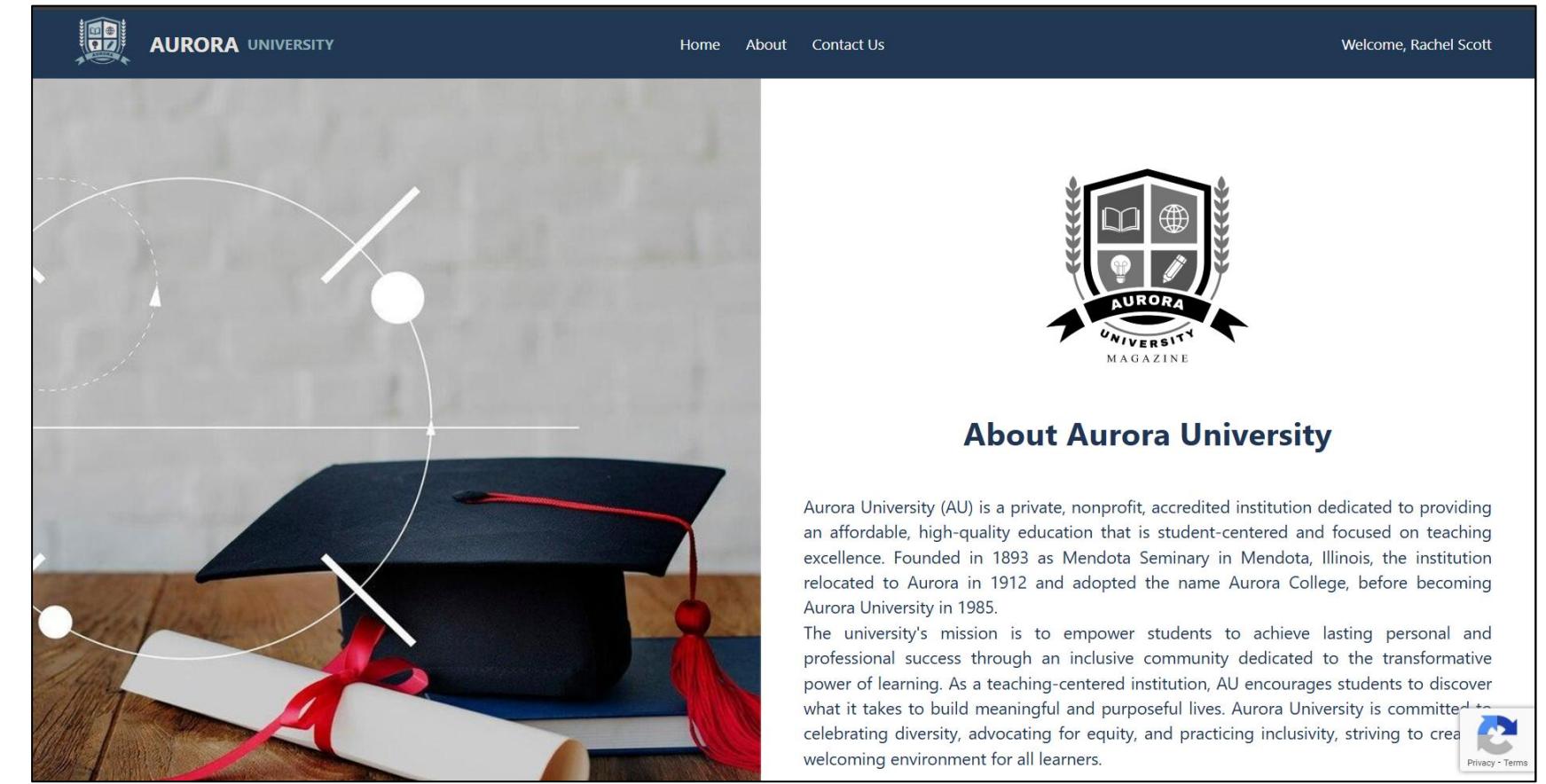
UI / UX Design

Design Process

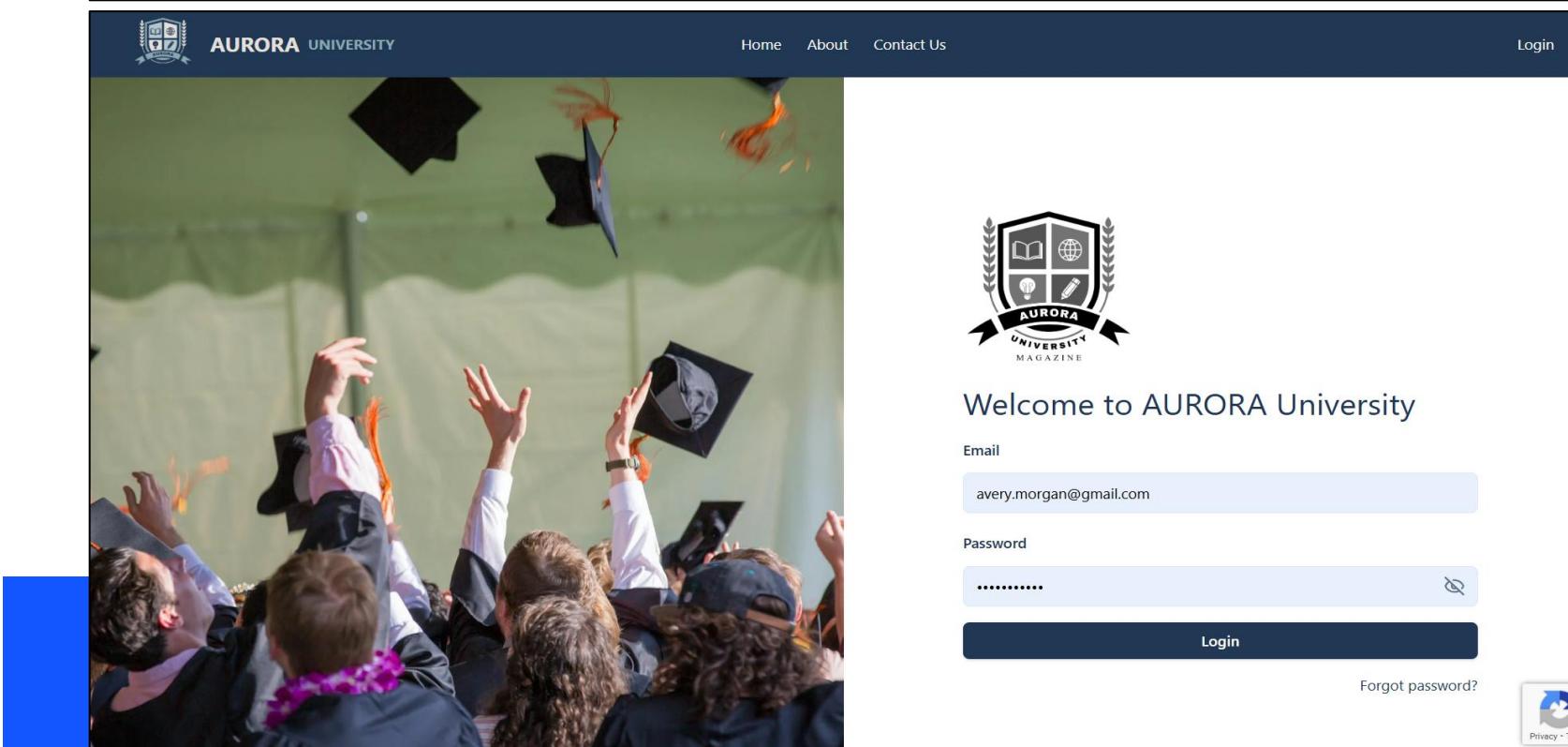
Focus on modern design for user-centered and easy navigation.



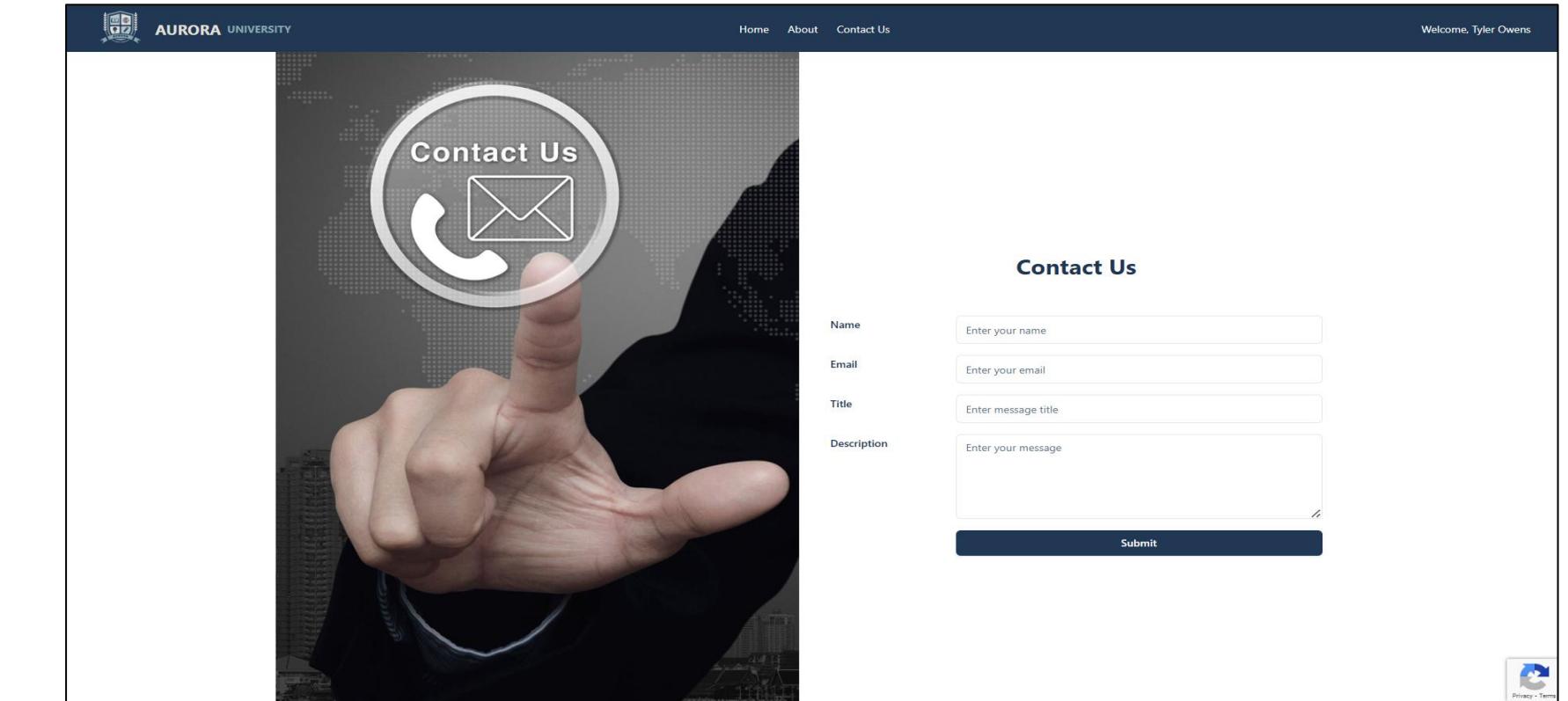
The home page features a large banner with two images: a person reading a book and students in a group hug. Below the banner are sections for "Featured Articles" and "Community Outreach". A call-to-action button "Click Here" is present. A sidebar on the left promotes "Your Voice, Your Stories" and "Your Aurora Magazine". The footer includes a login link and a privacy/terms link.



The "About Us" page has a background image of graduation caps and diplomas. It features the university's logo and a brief history: "Aurora University (AU) is a private, nonprofit, accredited institution dedicated to providing an affordable, high-quality education that is student-centered and focused on teaching excellence. Founded in 1893 as Mendota Seminary in Mendota, Illinois, the institution relocated to Aurora in 1912 and adopted the name Aurora College, before becoming Aurora University in 1985." The mission statement emphasizes empowerment through an inclusive community and transformative learning. A "Contact Us" section with a large envelope icon is also shown.



The login page shows a background image of graduates throwing caps. It includes a logo, a welcome message "Welcome to AURORA University", and a login form with fields for Email and Password, and a "Login" button. A "Forgot password?" link and a "Privacy - Terms" link are at the bottom.



The "Contact Us" page features a large "Contact Us" button with a phone and envelope icon. To its right is a form with fields for Name, Email, Title, and Description, each with a corresponding input field. A "Submit" button is at the bottom. The footer includes a "Privacy - Terms" link.

Design Process

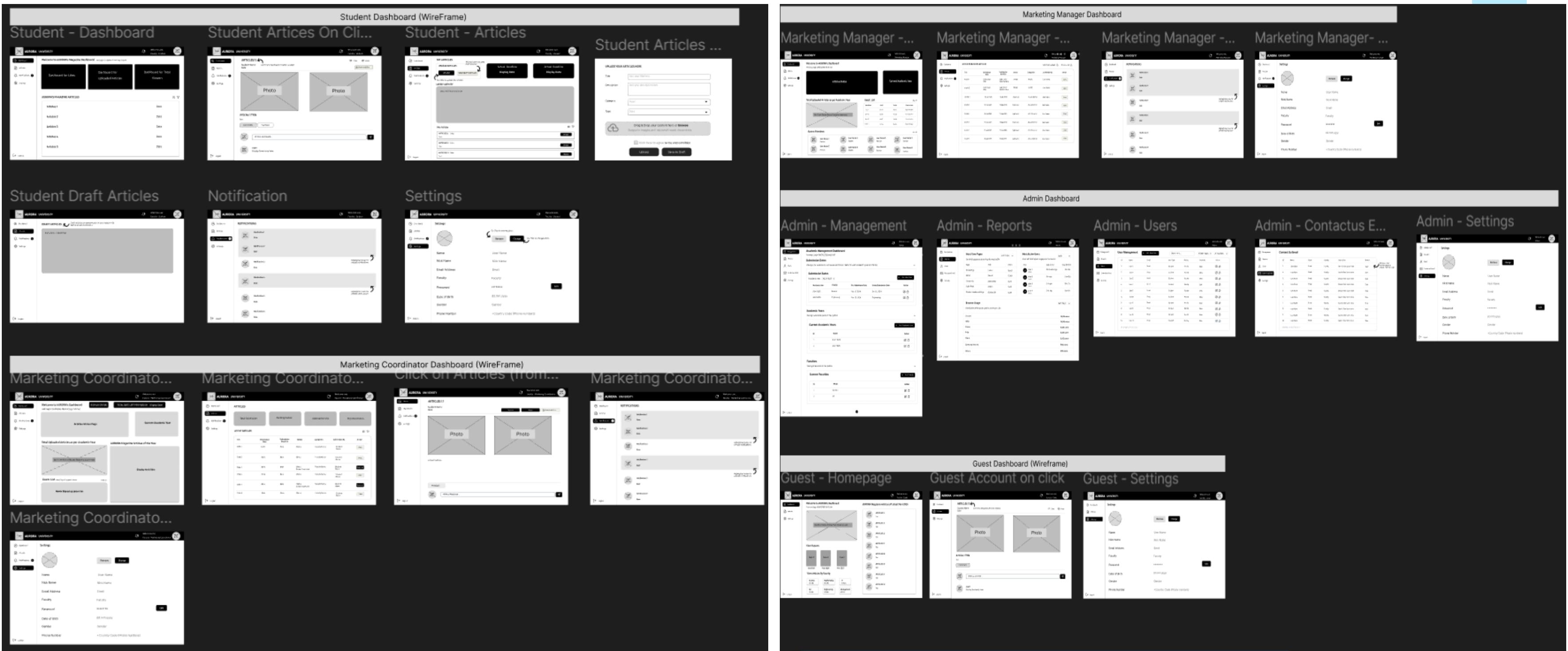
Followed Nielsen's Usability Heuristics (1995)

The screenshot shows the Aurora University Notifications page. The navigation bar at the top includes links for Dashboard, Articles, Notifications (which is highlighted with a red oval), and Settings. The main content area is titled "NOTIFICATIONS" and displays a list of notifications. A callout box highlights the "Notifications" link with the text: "The current system status is shown by different color." Below the notifications, there are several user comments and interactions.

The screenshot shows the Aurora University Articles page. The navigation bar at the top includes links for Dashboard, Articles (which is highlighted with a red box), Notifications, and Settings. The main content area is titled "ARTICLES" and displays a summary of article counts: Total Submission (25), Pending Review (6), Approved Articles (8), and Rejected Articles (4). A callout box highlights the "Approved Articles" section with the text: "Follow Consistent navigation bar and design patterns in every web page." Below this, a table lists individual articles with columns for Title, Submission Date, Submission Deadline, Status, Categories, Submission By, and Action. A callout box highlights the "Status" column with the text: "Consistent color choices and designs." The table also includes a "Reason: Duplicated" note for some rejected articles.

Title	Submission Date	Submission Deadline	Status	Categories	Submission By	Action
"Bill Gates on AI and Innovation"	08 Feb 2025	28 Feb 2025	Pending Review	Arts & Science	Zar Li	<button>View</button>
"How photographs promote social justice"	15 Jan 2025	15 Jan 2025	Approved	Art & Science	Swe Thu	<button>View</button>
"A Game of Inches"	24 Feb 2025	24 Feb 2025	Rejected Reason: Duplicated	Art & Science	Htet Wai Yan	<button>Rejected</button>
"How photographs promote social justice"	15 Jan 2025	15 Jan 2025	Approved	Arts & Science	Swe Thu	<button>View</button>
"A Game of Inches"	24 Feb 2025	24 Feb 2025	Rejected Reason: Duplicated	Arts & Science	Swe Thu	<button>Rejected</button>
"How photographs promote social justice"	15 Jan 2025	15 Jan 2025	Approved	Arts & Science	Swe Thu	<button>View</button>

Design Process



□ Wireframe Examples.

Design Process

Welcome to AURORA's Magazine Dashboard Last Login (to display dd/mm/yyyy & time)

Dashboard for Likes

Dashboard for Uploaded Articles

Dashboard for Total Viewers

AURORA'S MAGAZINE ARTICLES

Articles 1 Date

Articles 2 Date

Articles 3 Date

Articles 4 Date

Articles 5 Date

Logout

Welcome user, Faculty - Student

Welcome user, Faculty - Marketing Coordinator

ARTICLES

Total Submission Pending Review Approved Articles Rejected Articles

LIST OF ARTICLES

Title	Submission Date	Submission Deadline	Status	Categories	Submission By	Action
Title 1	Date	Date	Status	Faculty Name	Student Name	<button>View</button>
Title 2	Date	Date	Status	Faculty Name	Student Name	<button>View</button>
Title 3	Date	Date	Status Reason: Duplicated	Faculty Name	Student Name	<button>Rejected</button>
Title 4	Date	Date	Status	Faculty Name	Student Name	<button>View</button>
Title 5	Date	Date	Status Reason: Duplicated	Faculty Name	Student Name	<button>Rejected</button>
Title 6	Date	Date	Status	Faculty Name	Student Name	<button>View</button>

Logout

□ Student Dashboard Major Highlight

□ Coordinator Dashboard Major Highlight

Design Process

The screenshot shows the Aurora University Article Management System. The top navigation bar includes the university logo, 'AURORA UNIVERSITY', a bell icon for notifications, and a welcome message for 'Emma Wilson, IT - Marketing Coordinator'. The left sidebar has links for 'Dashboard', 'Articles' (which is selected and highlighted with a red box), 'Notifications', and 'Settings'. The main content area is titled 'ARTICLES (2025-2026)' and displays four summary cards: 'Total Submission' (15), 'Pending Review' (4), 'Approved Articles' (1), and 'Rejected Articles' (4). Below these is a table titled 'LIST OF ARTICLES (TOTAL UP TO 2025-2026)' with columns for Title, Submission Datetime, Submission Deadline, Status, Category, Submission By, and Actions. The table lists ten articles with various statuses (Approved, Pending, Rejected, Published) and submission dates ranging from March 2025 to May 2025. A 'Logout' button is at the bottom left, and a 'Privacy - Terms' link is at the bottom right.

Title	Submission Datetime	Submission Deadline	Status	Category	Submission By	Actions
Rise of AI	2025-05-05 10:16:44	2026-04-29	Approved	IT	Grace Smith	<button>View</button>
Rise of AI	2025-05-05 10:16:25	2026-04-29	Pending	IT	Grace Smith	<button>View</button>
VPN	2025-05-03 11:47:53	2026-04-29	Pending	IT	Rachel Scott	<button>View</button>
IT Technology	2025-04-29 13:43:15	2026-04-29	Rejected	IT	Jack Martin	<button>View</button>
PHP	2025-04-28 16:15:10	2026-04-29	Pending	IT	Jack Martin	<button>View</button>
POS	2025-04-28 14:39:33	2026-04-29	Published	IT	Jack Martin	<button>View</button>
Python	2025-04-28 14:23:40	2026-04-29	Rejected	IT	Jack Martin	<button>View</button>
IOT	2025-04-27 13:31:20	2026-04-29	Rejected	IT	Jack Martin	<button>View</button>
Networking The Backbone of Digital Communication	2025-03-09 00:00:00	2026-04-29	Published	IT	Tina Adams	<button>View</button>

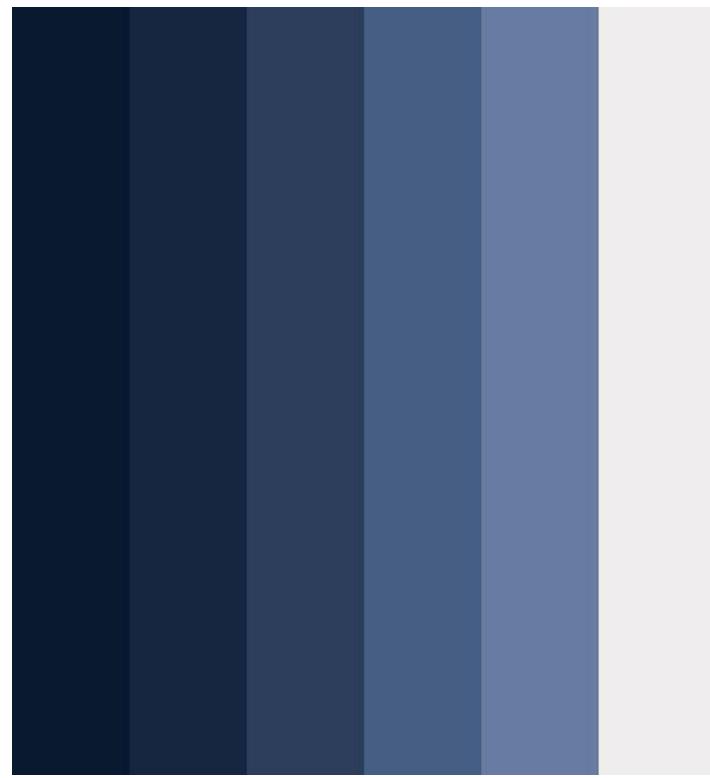
Dashboard

UPLOAD

Settings

Intuitive labels and clear color coding

Design Process



Color Pallet #213854 as based color



● 89A8B2

B3C8C

E5E1DA

F1F0E8



● 000000

● FFFFFF

Major Color Theme and types of Logo

Site Design (Responsive on all devices)

On Phone (iPad)

Dimensions: iPad ▾ 768 x 1024 74% No throttling

The screenshot shows the Aurora University website on an iPad. The top navigation bar includes the university logo, "AURORA UNIVERSITY", "Home", "About", "Contact Us", and "Login". Below the header is a large banner featuring a person reading a book and another person hugging. Text overlays include "FEATURED" and "Check out our Featured Articles" with a "Click Here" button, and "COMMUNITY OUTREACH" with a "Read Articles" button. A sidebar on the left contains the text: "**"Your Voice, Your Stories**
Your Aurora Magazine"". Below this, a section titled "Featured Articles" lists two items: "Windows OS The Evolution of a Digital Giant" and "Math Is Everything The Universal Language of the World". Each article has a thumbnail image, a title, a brief description, and a "Read More >" link.

Dimensions: iPhone 14 Pro Max ▾ 430 x 932 82% No throttling

The screenshot shows the same Aurora University website on an iPhone 14 Pro Max. The top navigation bar includes the university logo, "AURORA UNIVERSITY", and a three-line menu icon. The main content area features the same banner and text overlays as the iPad version. The "Your Voice, Your Stories" sidebar is no longer visible; instead, the "COMMUNITY OUTREACH" section is displayed prominently at the bottom of the main content area. The overall layout is more compact and focused on the central content.

Site Design (Responsive on all devices)

(Laptop Browser : Edge)

The screenshot shows the Aurora University website as it appears in a Microsoft Edge browser window. The URL in the address bar is <https://aurora-university.vercel.app/home>. The page features a dark blue header with the university's logo and name. Below the header is a large banner divided into two sections. The left section shows a person reading a book and includes a "FEATURED" badge, a call-to-action button "Check out our Featured Articles", and another button labeled "Click Here". The right section shows a group of students outdoors and includes a "COMMUNITY OUTREACH" badge and a "Read Articles" button. The main content area below the banner contains a section titled "Your Voice, Your Stories Your Aurora Magazine" with a sub-section for "Featured Articles". One article is highlighted with a large orange thumbnail featuring the Windows logo and the title "Windows OS The Evolution of a Digital Giant". The footer includes a "Privacy - Terms" link.

AURORA UNIVERSITY

Home About Contact Us Login

FEATURED

Check out our Featured Articles

Click Here

COMMUNITY OUTREACH

Read Articles

"Your Voice, Your Stories
Your Aurora Magazine"

Featured Articles

Windows OS The Evolution of a Digital Giant

Windows OS, developed by Microsoft, revolutionized personal computing. From simple interfaces to powerful platforms, it

Create and share your ideas by joining our faculty articles.
Do not miss the chance to get featured at Aurora Magazine.

Privacy - Terms

Site Design (Responsive on all devices)

Laptop Browser : Google Chrome, Firefox, etc...

The screenshot shows the Aurora University website as it would appear in a laptop browser like Google Chrome or Firefox. The top navigation bar is dark blue with white text, featuring the university's logo, name, and links for Home, About, Contact Us, and Login. Below the navigation is a large banner divided into two sections. The left section shows a person reading a book with a cup of coffee, labeled 'FEATURED' and 'Check out our Featured Articles' with a 'Click Here' button. The right section shows a group of students hugging outdoors, labeled 'COMMUNITY OUTREACH' with a 'Read Articles' button. Below the banner is a callout box with the text: "'Your Voice, Your Stories' Your Aurora Magazine". To the right of this box is a smaller text block: 'Create and share your ideas by joining our faculty articles. Do not miss the chance to get featured at Aurora Magazine.' The main content area features a 'Featured Articles' section with a thumbnail for an article about Windows OS.

AURORA UNIVERSITY

Home About Contact Us Login

FEATURED

Check out our Featured Articles

Click Here

COMMUNITY OUTREACH

Read Articles

"Your Voice, Your Stories
Your Aurora Magazine"

Create and share your ideas by joining our faculty articles.
Do not miss the chance to get featured at Aurora Magazine.

Featured Articles

Windows OS The Evolution of a Digital Giant

Windows OS, developed by Microsoft, revolutionized personal computing. From simple interfaces to powerful platforms, it

Privacy - Terms

Data Protection from Human Error

Protecting Our System with input wrong information. For keep clean data on report result.

Users Management

ID	Name
U0001	Alice Mira
U0002	Bob Smith
U0003	Charlie Davis
U0004	David Brown
U0005	Emma Wilson
U0006	Frank White
U0007	Grace Adams
U0008	Henry Carter
U0009	Isabel Thomas
U0010	Jack Martin

Showing 1 to 10 of 77 users

Add User
Fill in the user information below.

Name: Alice Mira

Email: Enter email
Email is required

User Type: Student

Faculty: IT

Gender: Prefer not to say

Date of Birth: dd/mm/yyyy 10/10/2011
You must be at least 16 years old

Phone Number: Enter phone number

Cancel **Save**

Add User
Fill in the user information below.

Name: Alice Mira

Email: primtza@gmail.com

User Type: Student

Faculty: IT

Gender: Prefer not to say

Date of Birth: dd/mm/yyyy 10/10/2011
You must be at least 16 years old

Phone Number: Enter phone number

Cancel **Save**

Front End (Program Security)



AURORA UNIVERSITY

Home About Contact Us Login

Welcome to AURORA University

Email: emma@gmail.com

Password: [Forgot password?](#)

Login

Privacy - Terms

The image shows a group of graduates in caps and gowns throwing their caps into the air, a traditional gesture at the end of a graduation ceremony. The background is a bright, open field under a clear sky.

The screenshot of the website shows the login page for Aurora University. At the top, there's a navigation bar with links for Home, About, Contact Us, and Login. Below the navigation is a large image of graduates throwing caps. The main content area has a logo for "AURORA UNIVERSITY MAGAZINE" and a welcome message. It includes fields for Email and Password, both containing placeholder text. A "Login" button is centered below the password field. To the right of the password field is a link for "Forgot password?". At the bottom of the page are links for "Privacy - Terms".

Protecting Our
System with Google
reCAPTCHA



Group : Testing



Feature (Current & Future) : Check list for Comply with Specification

No	Feature	As Requested In Specification	Comply (✓/ X)
1	Secure Role-based Access Control	Different roles: Student, Marketing Coordinator, Marketing Manager, Admin, Guest	✓
2	Article Submission System	Students can submit Word documents (articles)	✓
3	Image Upload Support	Students can upload high-quality images along with articles	✓
4	Terms and Conditions Enforcement	Students must agree to T&Cs before submission	✓
5	Contribution Closure Management	New submissions disabled after closure date; edits allowed until final closure	✓
6	Automated Email Notifications	System emails Coordinators when new contributions are submitted	✓
7	Faculty-specific Contribution Access	Coordinators can only access submissions from their own Faculty	✓
8	Contribution Commenting and Editing	Coordinators can comment on and edit submissions within 14 days	✓
9	Contribution Selection for Publication	Coordinators can select articles for publication	✓
10	Centralized Viewing for Marketing Manager	Manager can view all selected articles but cannot edit	✓
11	Bulk Download of Selected Articles	Manager can download all selected contributions as a ZIP after final closure	✓
12	System Administration Tools	Admin can manage system settings, closure dates, user accounts	✓
13	Guest Viewing Access	Guests can view selected contributions by Faculty	✓
14	Statistical Reporting and Analysis	View reports like number of contributions per Faculty	✓
15	Responsive User Interface	System interface adapts to mobile phones, tablets, and desktops	✓

Feature (Current & Future) : Check list for Comply with Specification

No	Feature	As Requested In Specificaiton (Additional Features List)	Comply (v/ X)
1	Last Login Reminder / First Login Welcome	Display the user's last login date/time or welcome message if first login	v
2	System Usage Monitoring Reports	Admin can view reports about:	
		- Most viewed pages	v
		- Most active users	v
		- Browser usage statistics	v
3	Guest Registration Notification	When a guest account is created, the system sends an email to the Faculty's Marketing Coordinator	v
4	Guest List Viewing for Coordinators	Marketing Coordinators can view a list of guests registered under their Faculty	v

Feature (Current & Future) : Additional Feature

No	Feature	Additional (Not request in specification)
1	Faculty-specific Article Management	Manager can download individual articles as word file.
2	User Management, Analytics Dashboard	Receive contact-us message from contact-us page user message.
3	System Settings Management	Admin can reset passwords upon user request.
4	Commenting, Feedback System and Real-Time Notification	Students and guests can comment and react to articles.
5	Profile Management	All users can update their personal profiles. (with the restriction as user and admin can view)
6	Social Media Integration	Integrate the magazine system with platforms like Facebook, Instagram, and LinkedIn. This will boost visibility for students' works and increase university outreach
7	Highlight Top Articles on University's Official Website	best-rated or most-read articles can showcase the talents of Aurora's students and attract prospective students and partners

Structured Testing: Test Plan & Test Logs

Test Plan:

- Scope, objectives, and test logs.
- Resources (tools/environments).
- Timeline and responsibilities.

Test Log:

- Records executed test logs.
- Pass/fail results.
- Documents defects and steps to reproduce.

Improvements Through Iterations

Before Iterations:

AURORA UNIVERSITY

Welcome, Zar Li
Engineering - Student

Settings

Name: Zar Li

Nick Name: Diana

Email Address: zlmaw1@kmd.edu.mm

Faculty: Engineering

Password: *****

Date of Birth: 01.Jan.2000

Gender: Female

Phone Number: +95 091234 567809

Logout

After Iterations:

Welcome, Alice Mira
Science - Student

Home My Articles Notifications Settings

SETTINGS

Profile

Name: Alice Mira

Nick Name: Alice

Email: alice@example.com

Faculty: Science

Date of Birth: 2004-01-24

Gender: Female

Phone Number: +959123456789

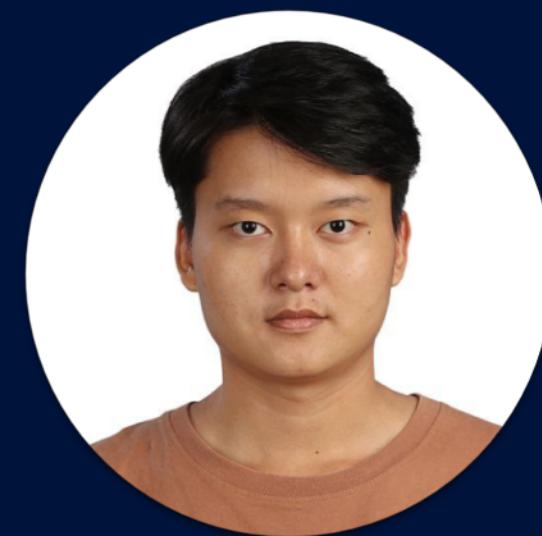
Edit

Logout

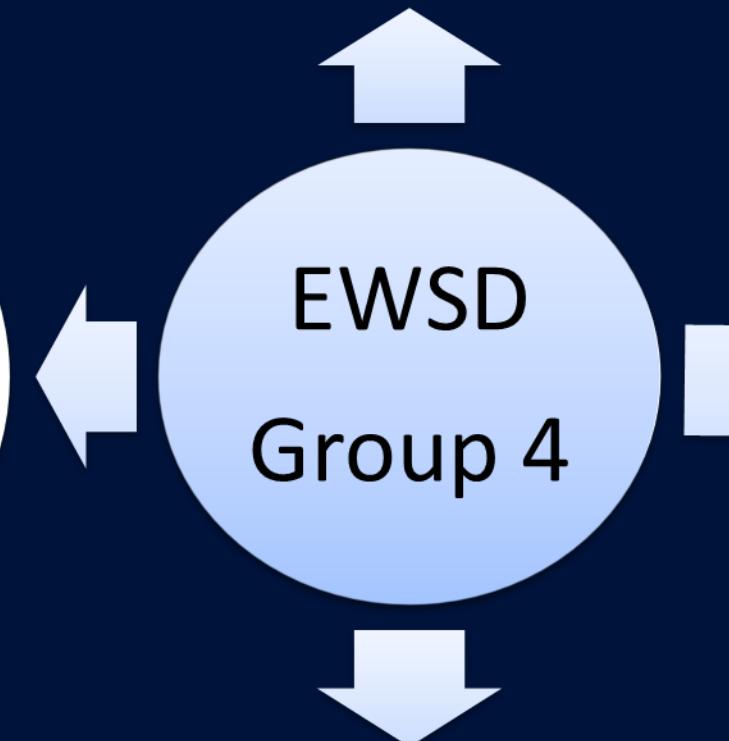
Privacy & Terms

Group : Back End and Database

Myat Paing Min (Group Lead)
Backend Engineer
(Developer, Data Engineer)



Zay Yar Lin Htut
Backend Engineer
(Developer, Data Entry)

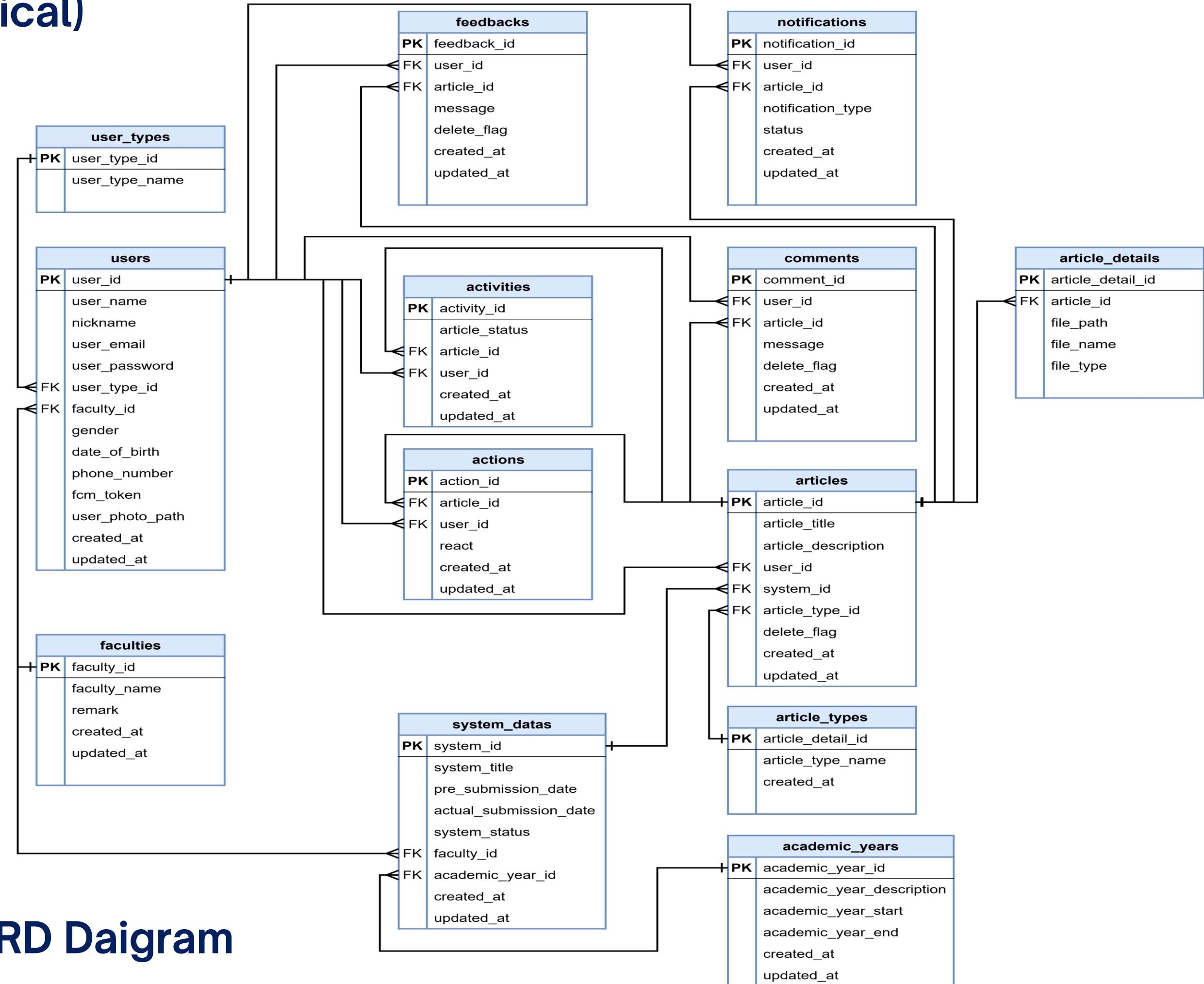
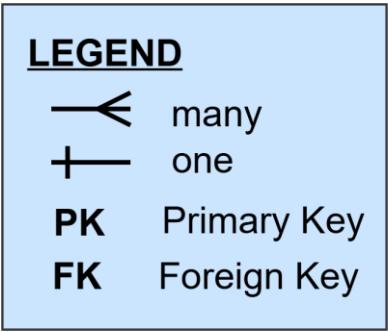


Thu Za Myat (Team Lead)
Database (Logical Designer)



Kyaw Thu
Database (Physical Developer and
Data Entry)

Database (Logical)



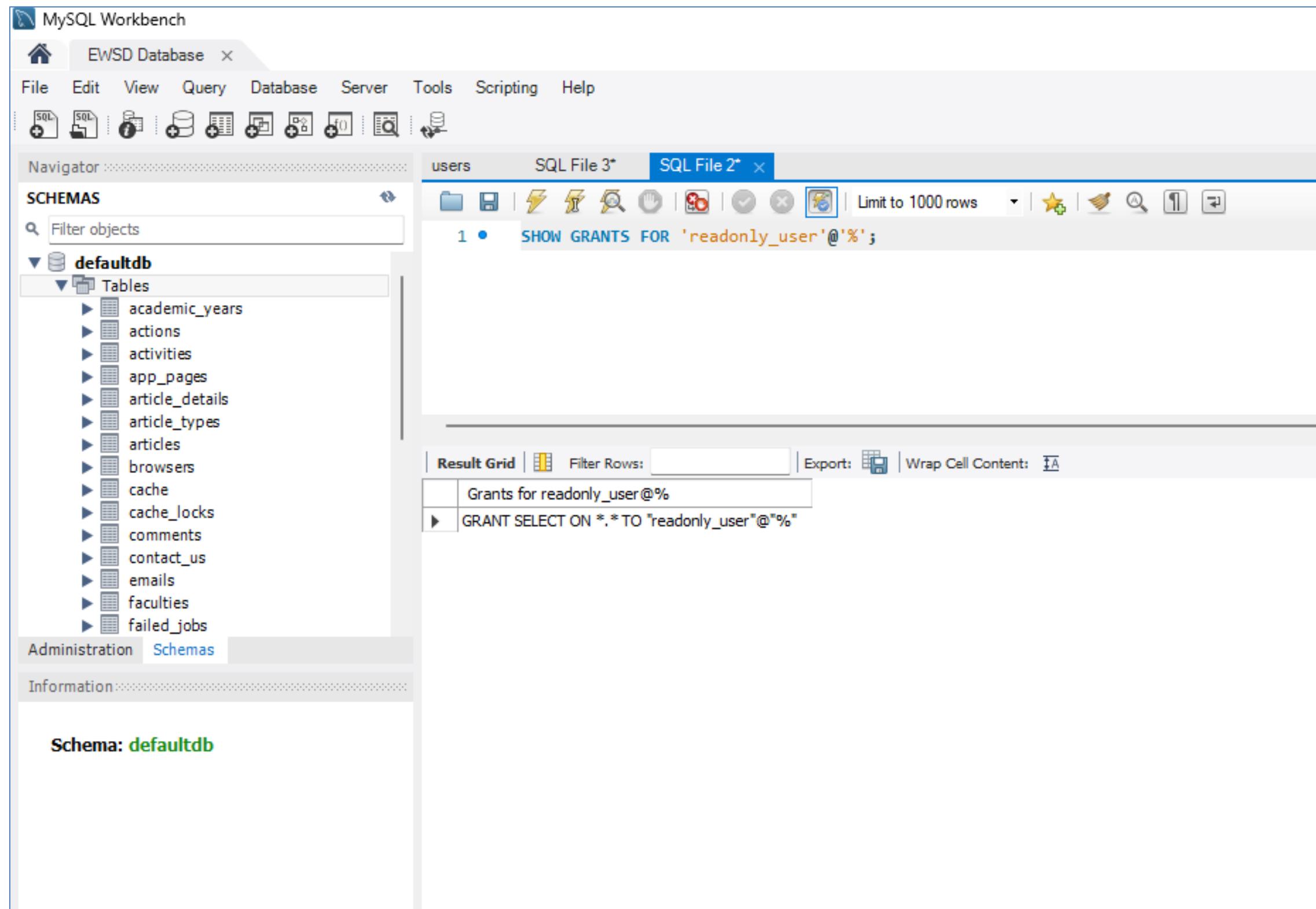
Overall ERD Daigram

Database (Physical : System Access)

The screenshot shows the MySQL Workbench interface with the following details:

- MySQL Workbench** window title.
- Database** tab selected in the top bar.
- File Edit View Query Database Server Tools Scripting Help** menu bar.
- Navigator** pane on the left showing the **SCHEMAS** section with **defaultdb** selected. Under **Tables**, a list of tables including `academic_years`, `actions`, `activities`, `app_pages`, `article_details`, `article_types`, `articles`, `browsers`, `cache`, `cache_locks`, `comments`, `contact_us`, `emails`, `faculties`, and `failed_jobs`.
- SQL File 3*** tab active in the center pane.
- SQL** icon selected in the toolbar.
- Show GRANTS FOR 'avnadmin'@'%';** query entered in the SQL editor.
- Result Grid** pane below the SQL editor showing the results of the grant query.
- Grants for avnadmin@%** table header.
- GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, PROCESS, REFERENCES, INDEX, ALTER, SHOW DATABASES, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, REPLICATION SLAVE, REPLICATION CLIENT, CREATE VIEW, SHOW VIEW, ...**
- GRANT REPLICATION_APPLIER,ROLE_ADMIN ON *.* TO "avnadmin"@"%" WITH GRANT OPTION**
- REVOKE INSERT, UPDATE, DELETE, CREATE, DROP, REFERENCES, INDEX, ALTER, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE, EVENT, TRIGGER ON "metrics_user_telegraf".* FROM "avnadmin"@"%"**
- REVOKE INSERT, UPDATE, DELETE, CREATE, DROP, REFERENCES, INDEX, ALTER, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE, EVENT, TRIGGER ON "mysql".* FROM "avnadmin"@"%"**
- REVOKE INSERT, UPDATE, DELETE, CREATE, DROP, REFERENCES, INDEX, ALTER, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE, EVENT, TRIGGER ON "sys".* FROM "avnadmin"@"%"**

Database (Physical : System Access)



Database (Physical : Secure role access)

MySQL Workbench

Web based (defaultdb) ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

defaultdb

Tables

- academic_years
- actions
- activities
- app_pages
- article_details
- article_types
- articles
- browsers
- cache
- cache_locks
- comments
- contact_us
- emails
- faculties
- failed_jobs
- feedbacks
- job_batches
- jobs
- login_histories
- migrations
- notifications
- password_reset_tokens
- personal_access_tokens
- sessions
- system_datas
- user_types
- users

Administration Schemas

Information

Table: user_types

Columns:

user_type_id	char(36) PK
user_type_name	varchar(100)
0	Guest
1	Student
2	Marketing Coordinator
3	Marketing Manager
4	Admin
*	NULL

users user_types × Query 1

1 • SELECT * FROM defaultdb.user_types;

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

user_type_id	user_type_name
0	Guest
1	Student
2	Marketing Coordinator
3	Marketing Manager
4	Admin
*	NULL

Database (Physical : Hatching for ID and password)

MySQL Workbench

Web based (defaultdb) ×

File Edit View Query Database Server Tools Scripting Help

Navigator: users user_types Query 1

SCHEMAS

Filter objects

defaultdb

- Tables
 - academic_years
 - actions
 - activities
 - app_pages
 - article_details
 - article_types
 - articles
 - browsers
 - cache
 - cache_locks
 - comments
 - contact_us
 - emails
 - faculties
 - failed_jobs
 - feedbacks
 - job_batches
 - jobs
 - login_histories
 - migrations
 - notifications
 - password_reset_tokens
 - personal_access_tokens
 - sessions
 - system_datas
 - user_types
 - users
- Administration
- Schemas

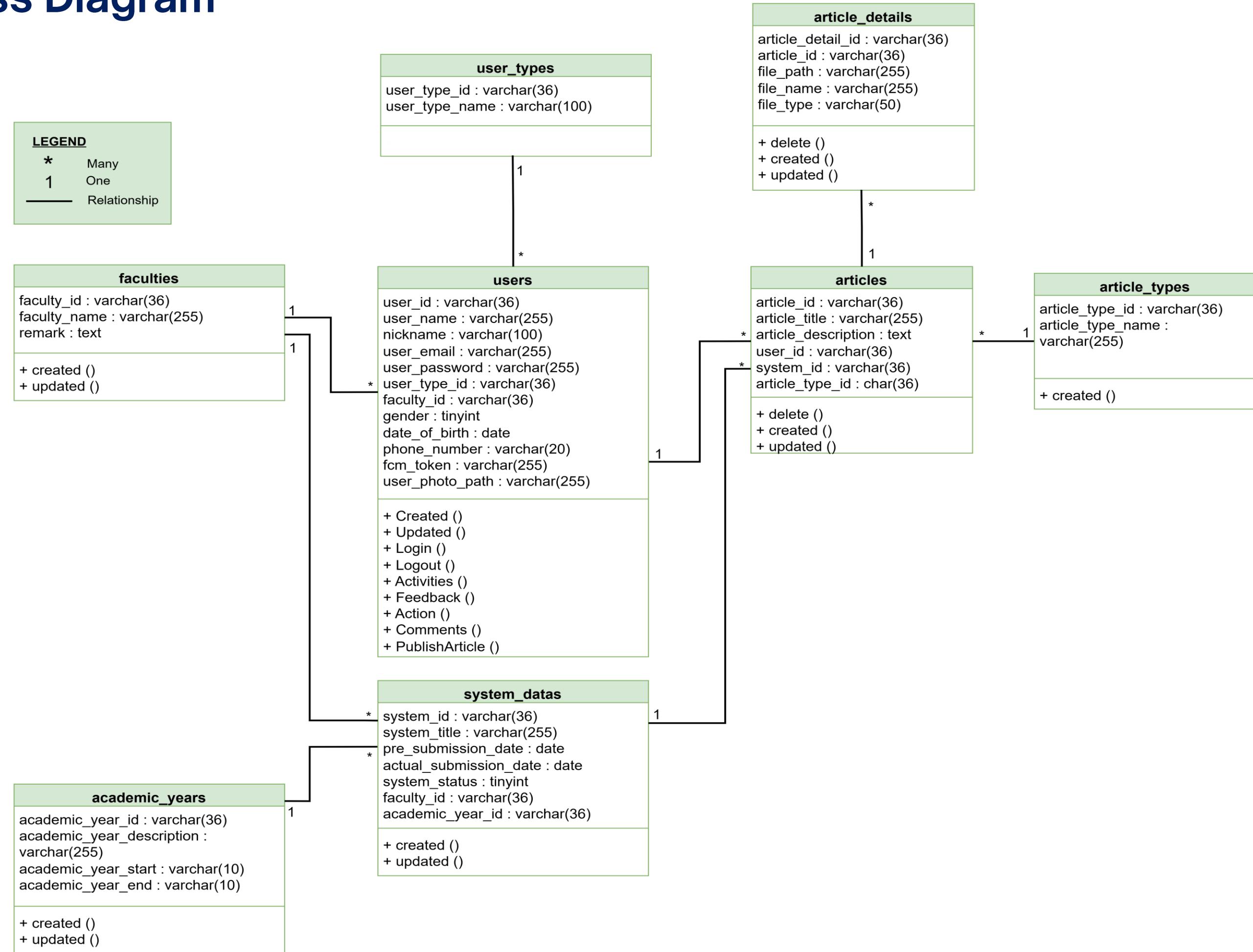
Information

Table: users

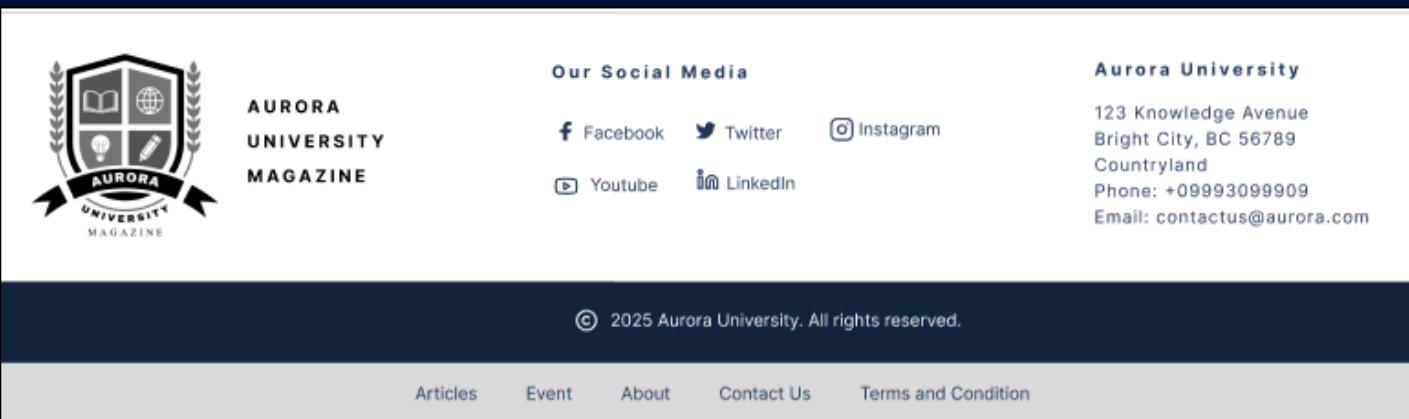
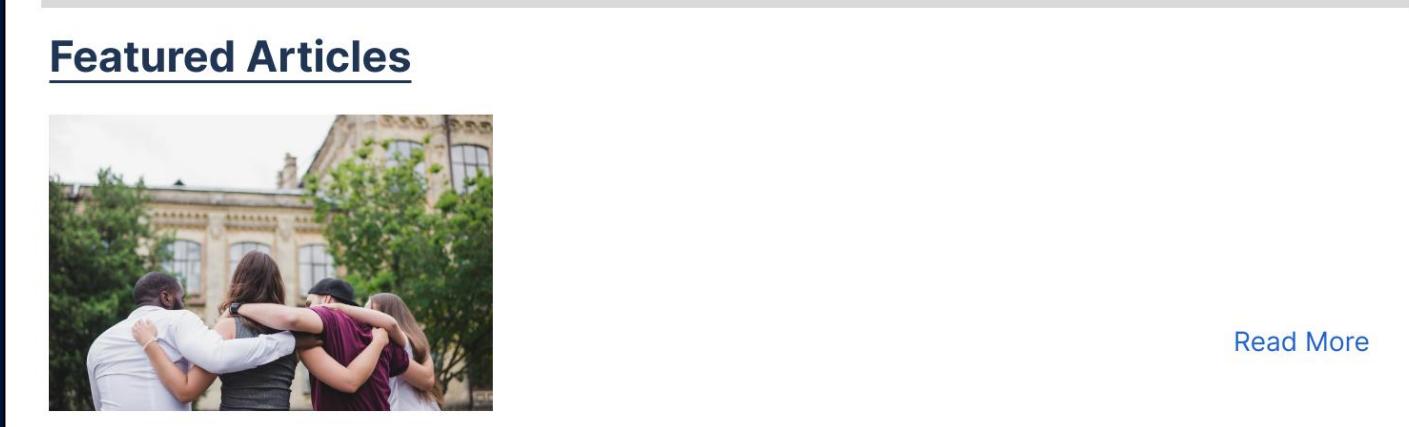
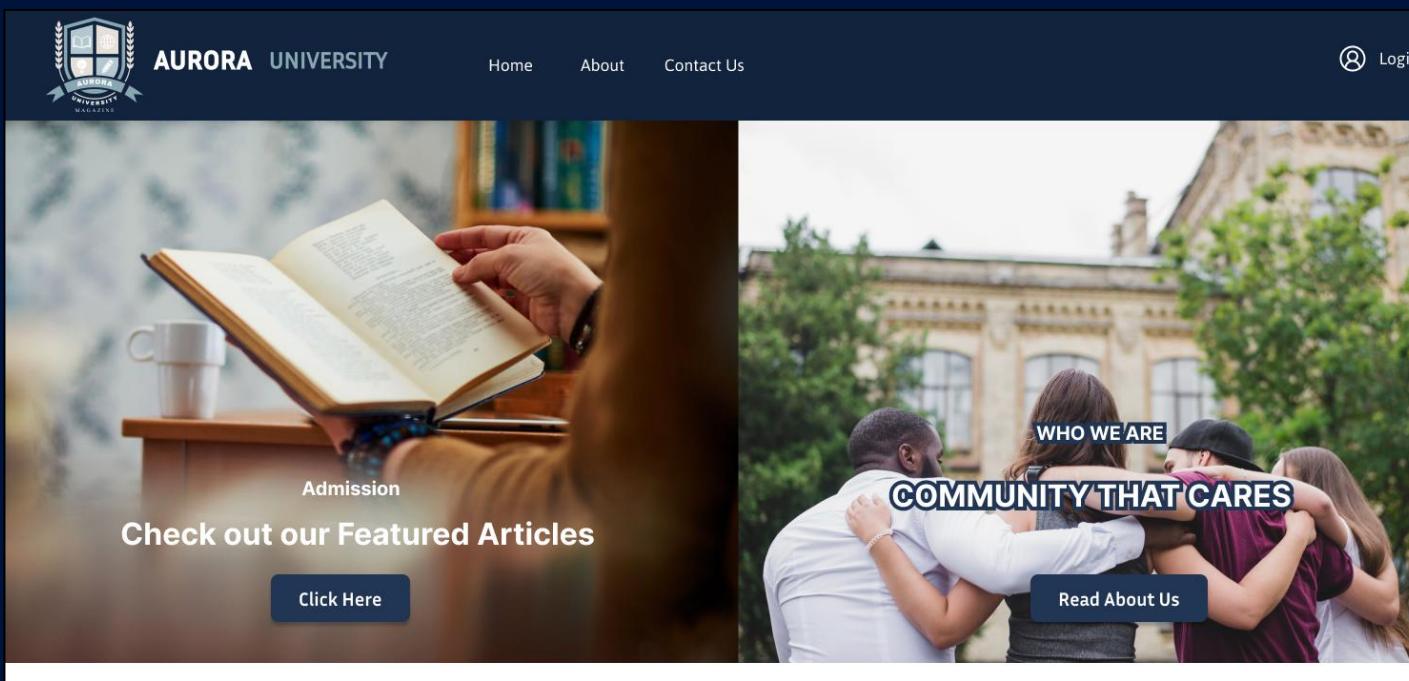
Columns:

id	user_name	nickname	user_email	user_password	user_type_id	faculty_id	gender	date_of_birth	phone_number	user_photo_path
U0001	Alice Mira	Alice	alice@example.com	\$2y\$12\$gv04csdXxFVW5jPcAiGHKu3QO6MqvzOpSlAe3Ykf...	1	f2a5a21a-807f-49c8-ad1d-2af72d37735a	2	2004-01-24	+959123456789	documents/174351
U0002	Bob Smith	Bobby	bob@gmail.com	\$2y\$12\$YWAhg82CwqJMwUglYytgDups6KsP1e1Paedat...	1	cd867fee-2955-4f91-a9f8-bda5074a0733	1	2004-05-10	+959123456123	documents/M10_20
U0003	Charlie Davis	Charlie	charlie@gmail.com	\$2y\$12\$eIFNPu59qGgfMLe/Qj0JR.VdECFGfNhrHfo41ydv...	1	2c585608-62e3-4e86-92cb-b79386486e1d	1	2004-03-14	+959123111344	documents/M11_20
U0004	David Brown	Dave	yaza9036@gmail.com	\$2y\$12\$c83Kx6wGfG7tFJNUqHSqEuvzLm11Ce3minhz7Qj...	1	f2a5a21a-807f-49c8-ad1d-2af72d37735a	1	2004-02-10	+959108302209	documents/M14_20
U0005	Emma Wilson	Emma	emma@gmail.com	\$2y\$12\$yhg4Ert.4XdXiMEET3CjuIxIMuCluwTJkj.oE7AB9J...	2	2cff32da-5485-4699-8ac2-45ae3e6db37b	2	2003-06-20	+959121334442	documents/G38_20
U0006	Frank White	Franky	frank@gmail.com	\$2y\$12\$O2PReWGPJyk36wBgcIuLF.CdbUt.Q/KIMXcvWX....	1	f2a5a21a-807f-49c8-ad1d-2af72d37735a	1	2004-08-20	+959123135533	documents/M12_20
U0007	Grace Adams	Gracie	gracie@gmail.com	\$2y\$12\$WGMw1jp22LRWmQkuXO64OWaZiq7p9QtGDBt...	1	2c585608-62e3-4e86-92cb-b79386486e1d	2	2002-11-14	+959313332044	documents/G2_20
U0008	Henry Carter	Henry	henry@gmail.com	\$2y\$12\$WwJihyo.Ttze5Wb2ISGAh.qnzKRTIG4UW0lcgeC...	1	cd867fee-2955-4f91-a9f8-bda5074a0733	1	2004-12-16	+959123112534	documents/M1_20
U0009	Isabel Thomas	Izzy	isabel@gmail.com	\$2y\$12\$uMw1FfDAgwc4a7wRbYJZouOv7esbDWn6VcTj0L...	1	306e9c62-646f-4608-9734-649f6a93fe	2	2002-07-05	+959123132124	documents/G3_20
U0010	Jack Martin	Dr.Jack	jack@gmail.com	\$2y\$12\$4jCLG3hO6tZd4SONa8n43ut80hzNQcdNS0kvIU3...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	1	1973-07-04	+959189000334	documents/M2_20
U0011	Isabella White	Isabella	isabella.white@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2c585608-62e3-4e86-92cb-b79386486e1d	2	2003-01-08	+959121242994	documents/G4_20
U0012	Jack Harris	Jack	jack.harris@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2c585608-62e3-4e86-92cb-b79386486e1d	1	2003-08-02	+959988044092	documents/M3_20
U0013	Kelly Clark	Kelly	kelly.clark@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2c585608-62e3-4e86-92cb-b79386486e1d	2	2003-08-02	+959988400382	documents/G5_20
U0014	Liam Lewis	Liam	liam.lewis@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2c585608-62e3-4e86-92cb-b79386486e1d	1	2003-08-03	+959898092004	documents/M4_20
U0015	Mia Walker	Mia	mia.walker@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2c585608-62e3-4e86-92cb-b79386486e1d	2	2003-08-08	+959094235855	documents/G6_20
U0016	Nathan Hall	Nathan	nathan.hall@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2c585608-62e3-4e86-92cb-b79386486e1d	1	2003-03-08	+959932890555	documents/M5_20
U0017	Olivia Allen	Olivia	olivia.allen@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2c585608-62e3-4e86-92cb-b79386486e1d	1	2003-01-01	+959855095525	documents/M6_20
U0018	Paul Young	Paul	paul.young@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2c585608-62e3-4e86-92cb-b79386486e1d	1	2003-12-18	+959800593253	documents/M7_20
U0019	Quinn King	Queen	quinn.king@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	1	2002-12-18	+959903424689	documents/M8_20
U0020	Rachel Scott	Rich	rachel.scott@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	1	2003-02-22	+959903424590	documents/M9_20
U0021	Samuel Green	Simon	samuel.green@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	1	2003-07-02	+959900423456	documents/M13_20
U0022	Tina Adams	Tony	tina.adams@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	2	2002-01-01	+959094243855	documents/G7_20
U0023	Ulysses Baker	Alyiz	ulysses.baker@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	2	2004-12-18	+959008535024	documents/G8_20
U0024	Victoria Carter	Vicotria	victoria.carter@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	2	2002-09-01	+959904324505	documents/G9_20
U0025	William Evans	William	william.evans@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	1	2002-08-01	+959908432455	documents/M15_20
U0026	Xavier Foster	Xavier	xavier.foster@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	1	2004-09-09	+959004359035	documents/M16_20
U0027	Yolanda Gonzalez	Yolanda	yolanda.gonzalez@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	2cff32da-5485-4699-8ac2-45ae3e6db37b	2	2002-07-19	+959121435009	documents/G10_20
U0028	Zachary Hill	Zach	zachary.hill@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	1	2004-11-20	+959750934577	documents/M17_20
U0029	Amber Moore	Amber	amber.moore@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	2	2002-10-11	+959512530553	documents/G11_20
U0030	Brandon Perez	Brandon	brandon.perez@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	1	2004-02-07	+959121240022	documents/M18_20
U0031	Charlotte Reed	Carlos	charlotte.reed@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	2	2004-01-14	+959121150058	documents/G12_20
U0032	Daniel Rivera	Danny	daniel.rivera@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	1	2004-11-13	+959123490002	documents/M19_20
U0033	Emily Sanchez	Emmy	emily.sanchez@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	2	2003-04-10	+959124240002	documents/G13_20
U0034	Felix Torres	Felix	felix.torres@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	1	2004-04-01	+959121236540	documents/M20_20
U0035	Gabriella Stewart	Gabbilin	gabriella.stewart@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	1	2003-09-01	+959121232805	documents/M21_20
U0036	Harrison Morris	Harry	harrison.morris@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	306e9c62-646f-4608-9734-649f6a93fe	1	2002-12-18	+959121285690	documents/M22_20
U0037	Ivy Jenkins	Ivy	ivy.jenkins@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	cd867fee-2955-4f91-a9f8-bda5074a0733	2	2003-09-07	+959121235477	documents/G14_20
U0038	Jason Murnhy	Jason	jason.murnhy@gmail.com	\$2y\$12\$Wpw51N8h4xR3HQHJHksPusDR.18.Zgokn.Fhve...	1	cd867fee-2955-4f91-a9f8-hda5074a0733	1	2004-09-01	+959121255656	documents/M23_20

Overall Class Diagram



Project Runtime (Demo)



Now, some quick highlights of the system, including:

- Logging in as different user roles
- Submitting and managing articles
- Publishing articles and viewing reports.

<https://aurora-university.vercel.app/home>

Article Status

AURORA UNIVERSITY

Welcome, Emma Wilson
IT - Marketing Coordinator

Dashboard Articles Notifications Settings Logout

ARTICLES (2025-2026)

Total Submission: 15 | Pending Review: 4 | Approved Articles: 1 | Rejected Articles: 4

LIST OF ARTICLES (TOTAL UP TO 2025-2026)

Title	Submission Datetime	Submission Deadline	Status	Category	Submission By	Actions
Rise of AI	2025-05-05 10:16:44	2026-04-29	Approved	IT	Grace Smith	<button>View</button>
Rise of AI	2025-05-05 10:16:25	2026-04-29	Pending	IT	Grace Smith	<button>View</button>
VPN	2025-05-03 11:47:53	2026-04-29	Pending	IT	Rachel Scott	<button>View</button>
IT Technology	2025-04-29 13:43:15	2026-04-29	Rejected	IT	Jack Martin	<button>View</button>
PHP	2025-04-28 16:15:10	2026-04-29	Pending	IT	Jack Martin	<button>View</button>
POS	2025-04-28 14:39:33	2026-04-29	Published	IT	Jack Martin	<button>View</button>
Python	2025-04-28 14:23:40	2026-04-29	Rejected	IT	Jack Martin	<button>View</button>
IOT	2025-04-27 13:31:20	2026-04-29	Rejected	IT	Jack Martin	<button>View</button>
Networking The Backbone of Digital Communication	2025-03-09 00:00:00	2026-04-29	Published	IT	Tina Adams	<button>View</button>

- Draft
- Pending
- Approve
- Reject
- Published

Notification (By System For Articles)

Student

- React
- Comment
- Feedback

Coordinator

- Create
- Update

Manager

- Publish

Mail sending conditions

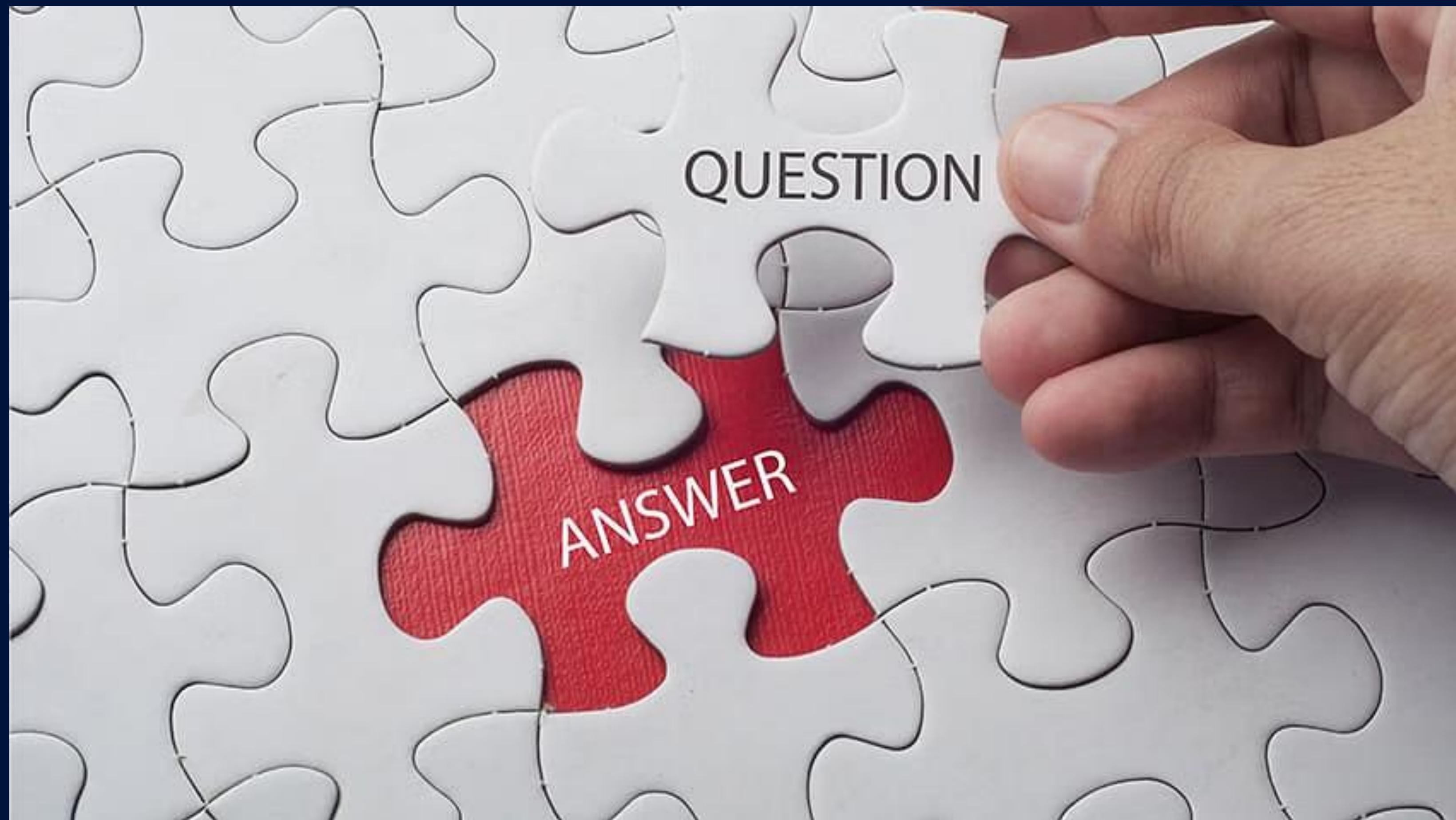
Relevant User
(for All User Type)

- Account Creation
- Password Reset

Coordinator

- Guest Account Creation
- Article Creation

Q & A Section



thank you