Technical Documentation

Group 4 :
**Candelaria, Ernesto B.
Barbadillo, Brent Justine P.
Trillana, Mark Joseph C.
Oxina, Azzaleah Faith G.
Luna, Jov Matthew**

Subject Instructor

MICAH JOY P. FORMARAN

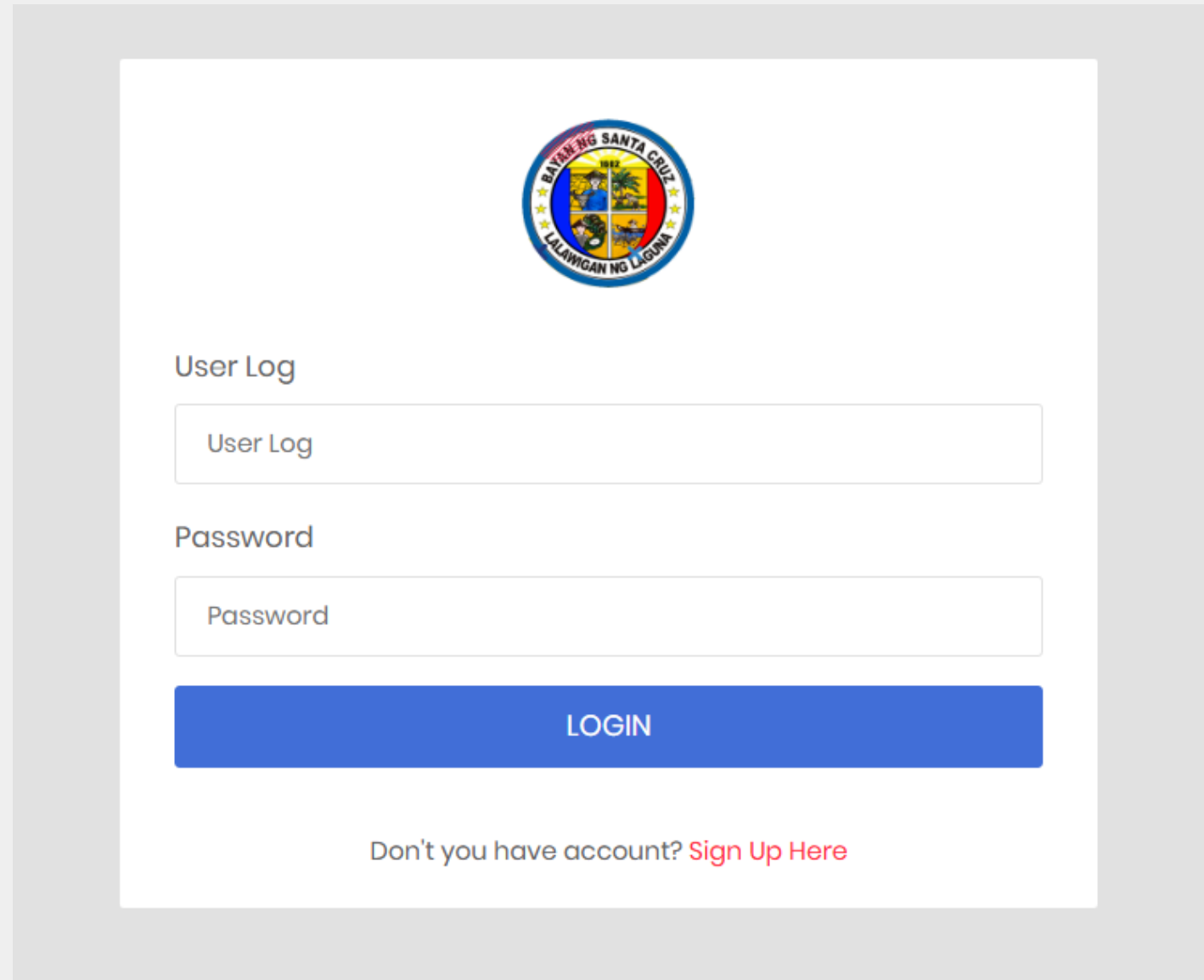# System Overview and Architecture

The system is a web-based application built using JavaScript, HTML, and CSS. It utilizes the amCharts library for data visualization and is designed to provide an interactive and user-friendly interface for exploring and analyzing data. The system consists of multiple components, including charts, tables, and filters, which work together to provide a comprehensive view of the data.

01

Summary of Enhancements and Rationale

The system has undergone significant enhancements, including the addition of new chart types, improved performance, and enhanced user experience. The rationale behind these enhancements is to provide users with a more comprehensive and intuitive way to explore and analyze data. The new chart types include a gauge chart, radar chart, and XY chart, which offer a range of visualization options for different types of data. The performance enhancements include optimized rendering and improved data processing, which enable the system to handle large datasets efficiently.

Updated UI/UX Screenshots

BEFORE

User Log

User Log

Password

Password

LOGIN

Don't you have account? Sign Up Here

Sign Up

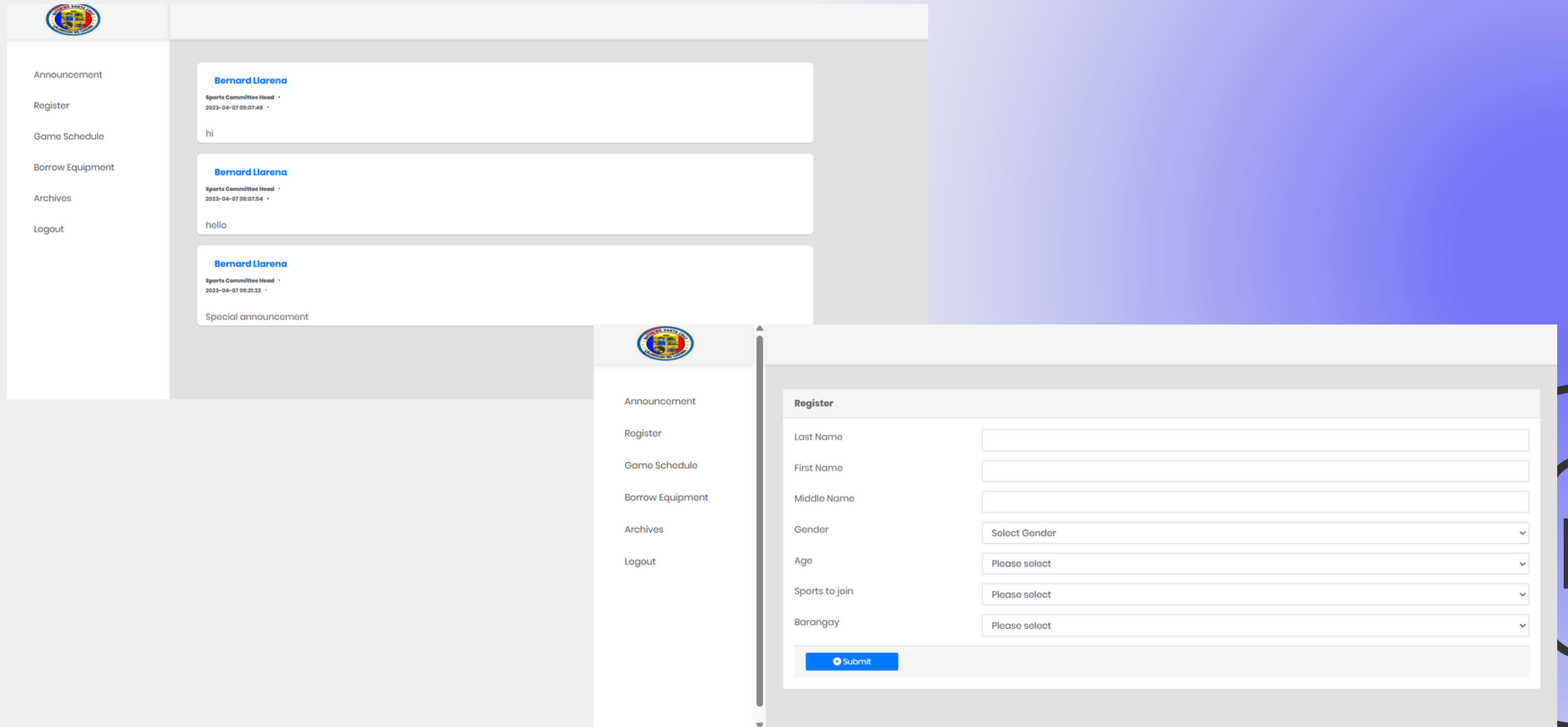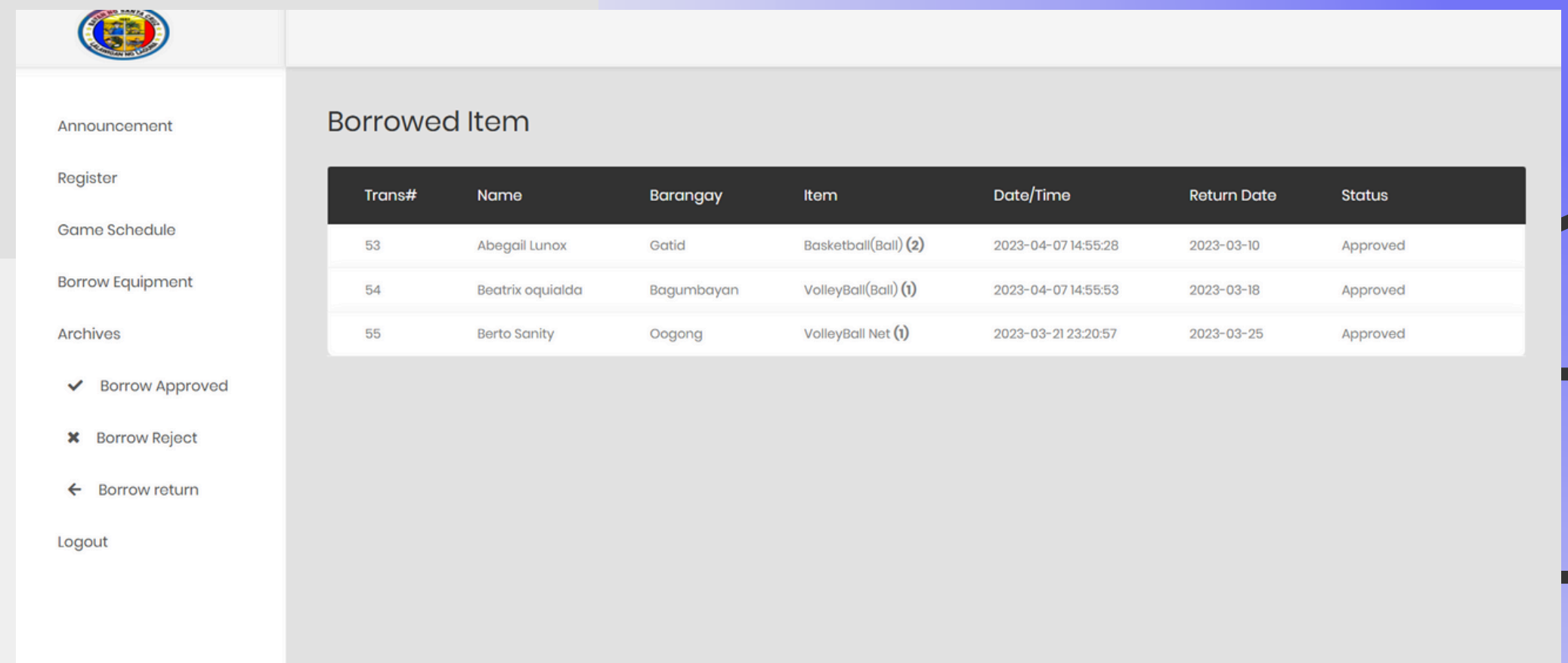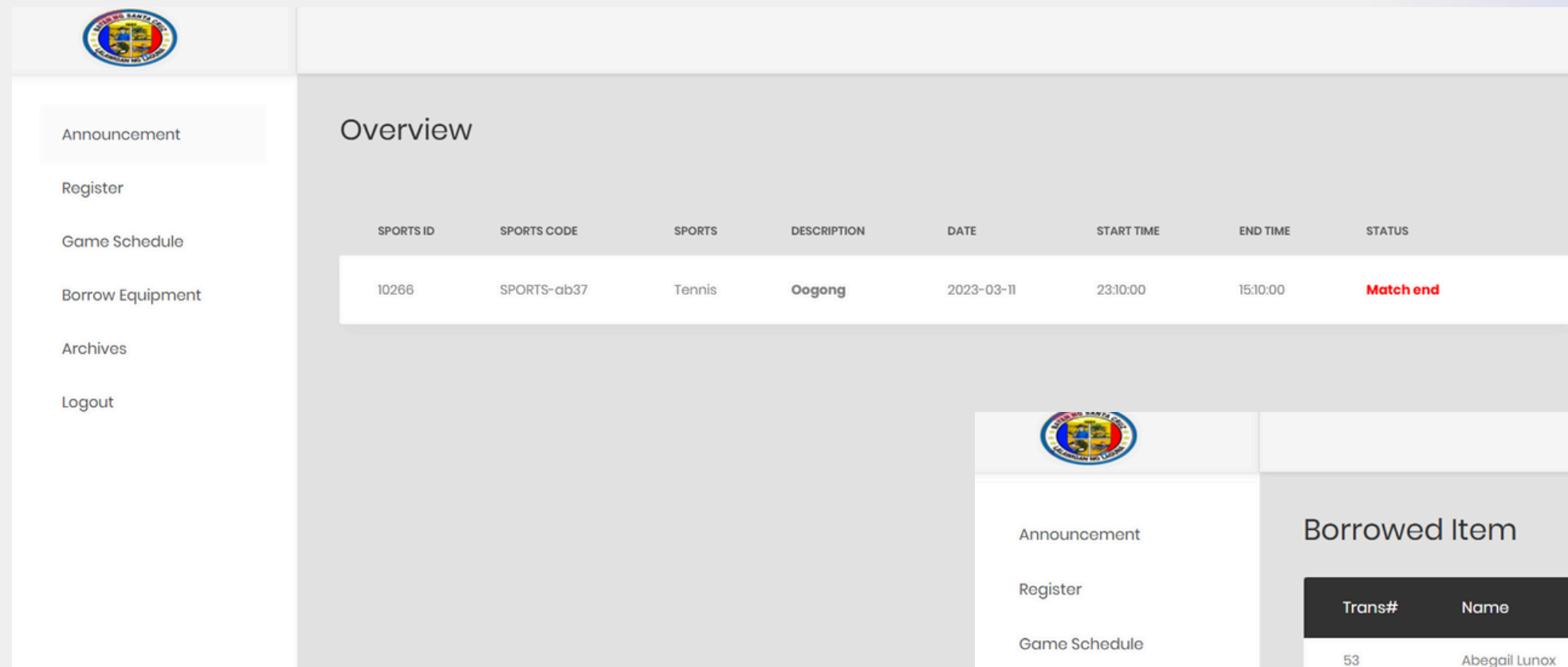|	
User Log	**USER-9e03**
Last Name	
First Name	
Mid Name	
Barangay	Select Barangay
Password	
Re enter Password	

REGISTER

Click me to login

03

Updated UI/UX Screenshots

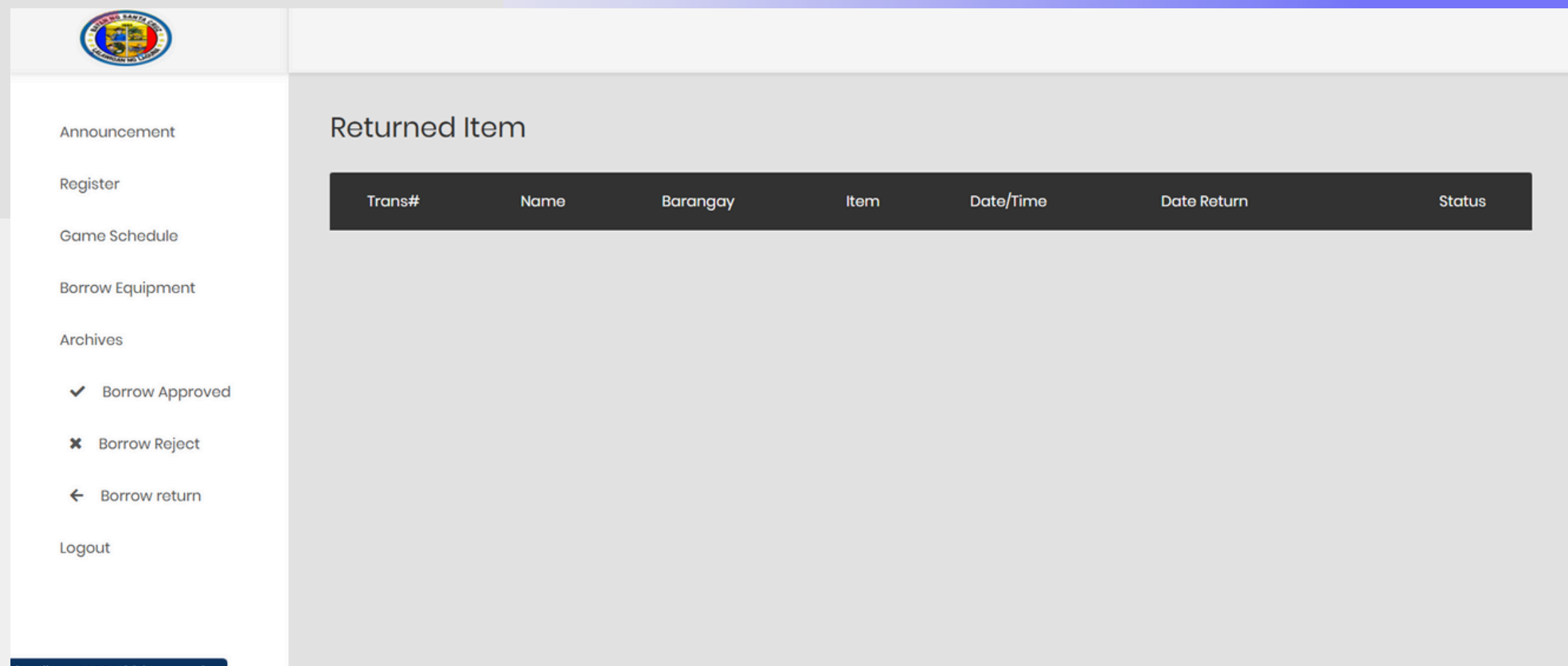BEFORE

Updated UI/UX Screenshots

BEFORE

Overview

SPORTS ID	SPORTS CODE	SPORTS	DESCRIPTION	DATE	START TIME	END TIME	STATUS
10266	SPORTS-ab37	Tennis	**Oogong**	2023-03-11	23:10:00	15:10:00	**Match end**

- Announcement
- Register
- Game Schedule
- Borrow Equipment
- Archives
- Logout

Borrowed Item

Trans#	Name	Barangay	Item	Date/Time	Return Date	Status
53	Abegail Lunox	Gatid	Basketball(Ball) (2)	2023-04-07 14:55:28	2023-03-10	Approved
54	Beatrix oquialda	Bagumbayan	VolleyBall(Ball) (1)	2023-04-07 14:55:53	2023-03-18	Approved
55	Berto Sanity	Oogong	VolleyBall Net (1)	2023-03-21 23:20:57	2023-03-25	Approved

- Announcement
- Register
- Game Schedule
- Borrow Equipment
- Archives
  - ✔ Borrow Approved
  - ✖ Borrow Reject
  - ← Borrow return
- Logout

Updated UI/UX Screenshots

BEFORE

Item Request

Trans#	Name	Barangay	Item	Date/Time	Return Date	Status

Announcement
Register
Game Schedule
Borrow Equipment
Archives
✔ Borrow Approved
✖ Borrow Reject
← Borrow return
Logout

Returned Item

Trans#	Name	Barangay	Item	Date/Time	Date Return	Status

Announcement
Register
Game Schedule
Borrow Equipment
Archives
✔ Borrow Approved
✖ Borrow Reject
← Borrow return
Logout

Updated UI/UX Screenshots

AFTER

Updated UI/UX Screenshots

AFTER

MSCSUP

- Announcement
- Registered
- List of Registered
- Game Schedule
- Borrow Equipment
- Archives +
- Feedback
- Prediction Registration
- Clustering Results

Logout

Registered

| Copy | Excel | CSV | PDF | | | | Search: |

Registration No#	Lastname	Firstname	Middlename	Gender	Age	Sports	Barangay	Date Of Register	
11145	Bacube	Jake	B	Male	19 and above	Basketball	Palasan	2023-01-24	
11146	Olivete	Genesis	O	Male	19 and above	Table Tennis	Poblacion I	2023-01-24	
11147	Olivete	Genesis	O	Male	19 and above	Table Tennis			
11151	barrientos	lei	candelaria	Male	7-11 years old	Basketball			
11152	barbadillo	brent	paran	Male	12-18 years old	Volleyball			
11153	lei candelaria	brent	paran	Male	12-18 years old	Badminton			
11154	barbadillo	brent	paran	Male	19 and above	Badminton			

MSCSUP

- Announcement
- Registered
- List of Registered
- Game Schedule
- Borrow Equipment
- Archives +
- Feedback
- Prediction Registration
- Clustering Results

Logout

Game Schedule

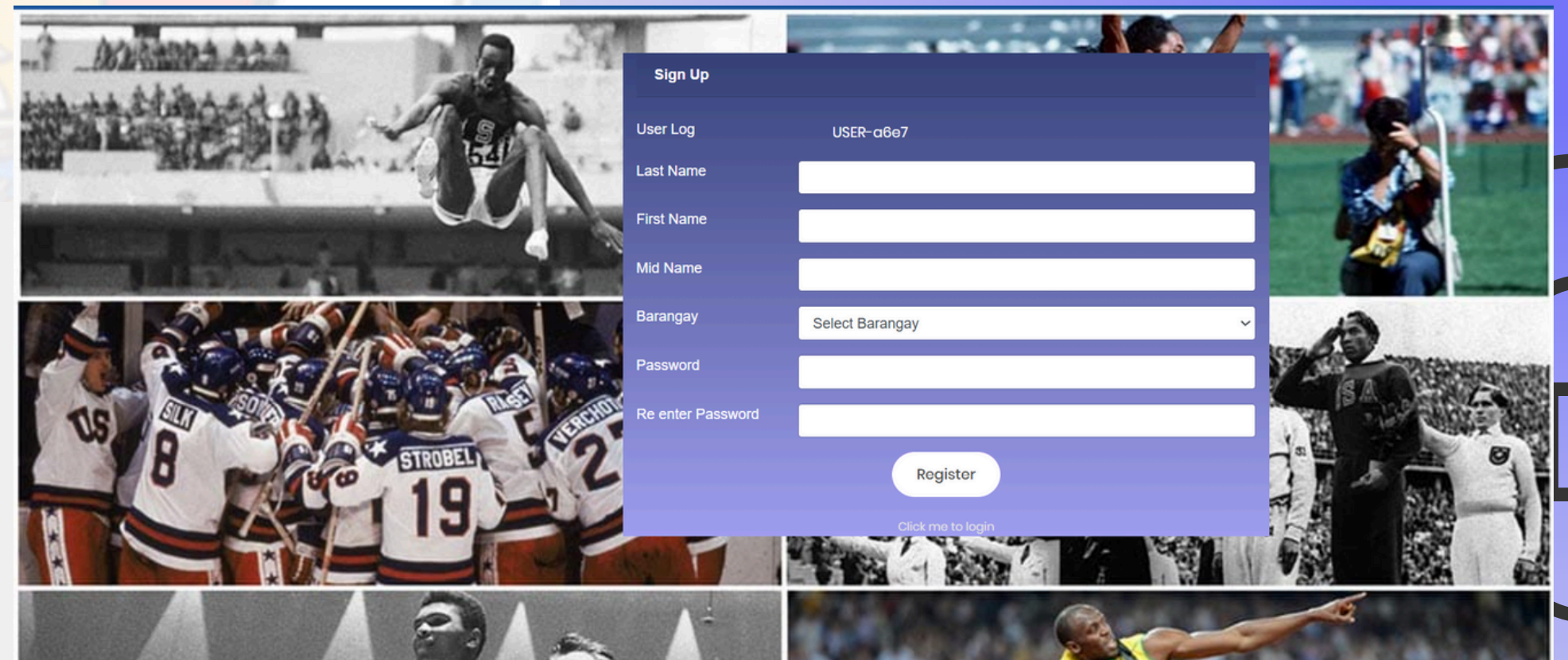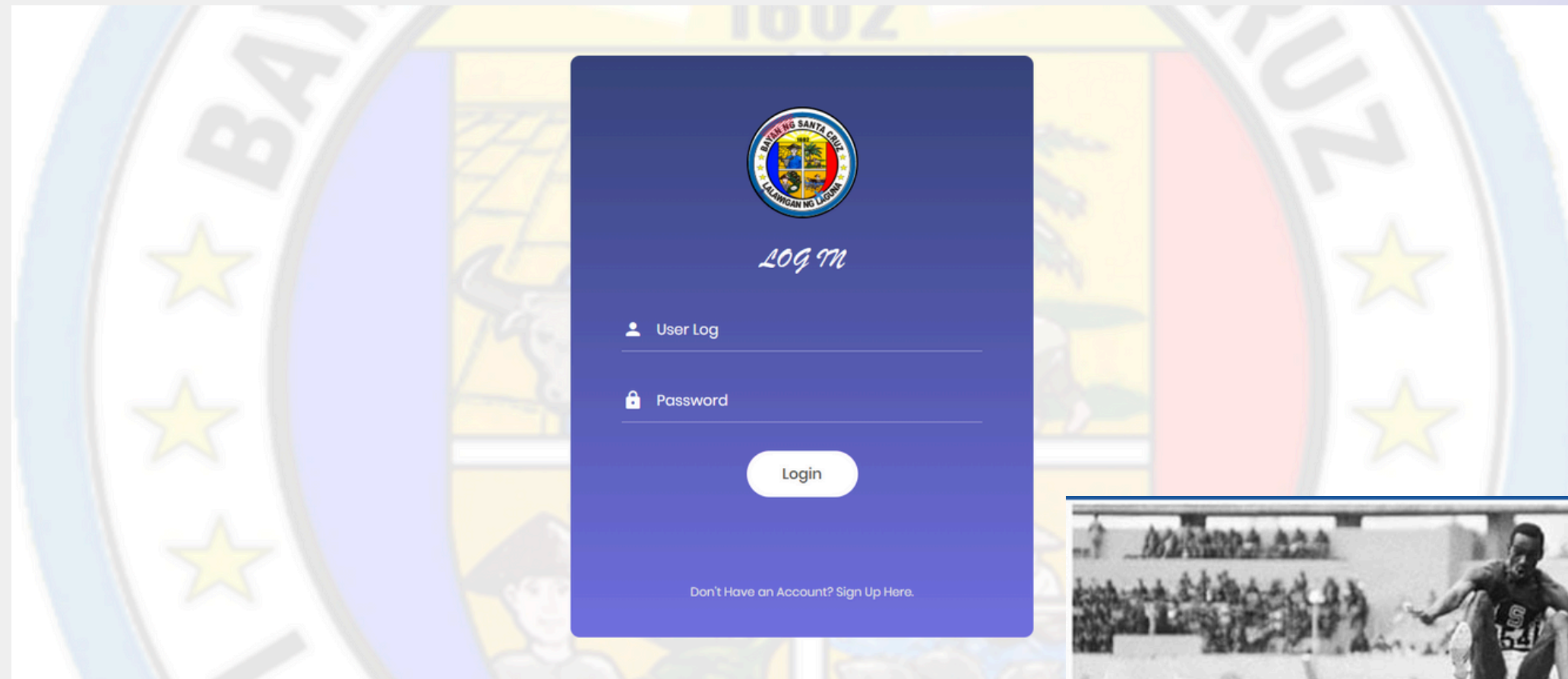| Copy | Excel | CSV | PDF | | | | | | Search: |

Sports ID	Sports Code	Sports	Description	Date	Start Time	End Time	Status
10263	SPORTS-58d6	Basketball	d	2023-03-10	13:00:00	14:08:00	
10266	SPORTS-ab37	Tennis	Oogong	2023-03-11	23:10:00	15:10:00	

Showing 1 to 2 of 2 entries   Previous 1 Next

Updated UI/UX Screenshots

AFTER

LOG IN

User Log

Password

Login

Don't Have an Account? Sign Up Here.

Sign Up

User Log   USER-a6e7

Last Name

First Name

Mid Name

Barangay   Select Barangay

Password

Re enter Password

Register

Click me to login

Updated UI/UX Screenshots

AFTER

MSCSUP

☰   ⏻ Logout

- ☰ Announcement
- ⊘ Registered
- ☰ List of Registered
- ⊡ Game Schedule
- 🏛 Borrow Equipment
- 🗄 Archives   +
- 🏛 Feedback
- Prediction Registration
- 🏛 Clustering Results

Borrow Equipment

First Name

Last Name

Barangay

Please select ⌄

Equipment/Item

Please select ⌄

Quantity

Date Return

dd/mm/yyyy

Request

MSCSUP

☰   ⏻ Logout

- ☰ Announcement
- ⊘ Registered
- ☰ List of Registered
- ⊡ Game Schedule
- 🏛 Borrow Equipment
- 🗄 Archives   +
- 🏛 Feedback
- Prediction Registration
- 🏛 Clustering Results

Feedback / Report Issue

Type:

Suggestion ⌄

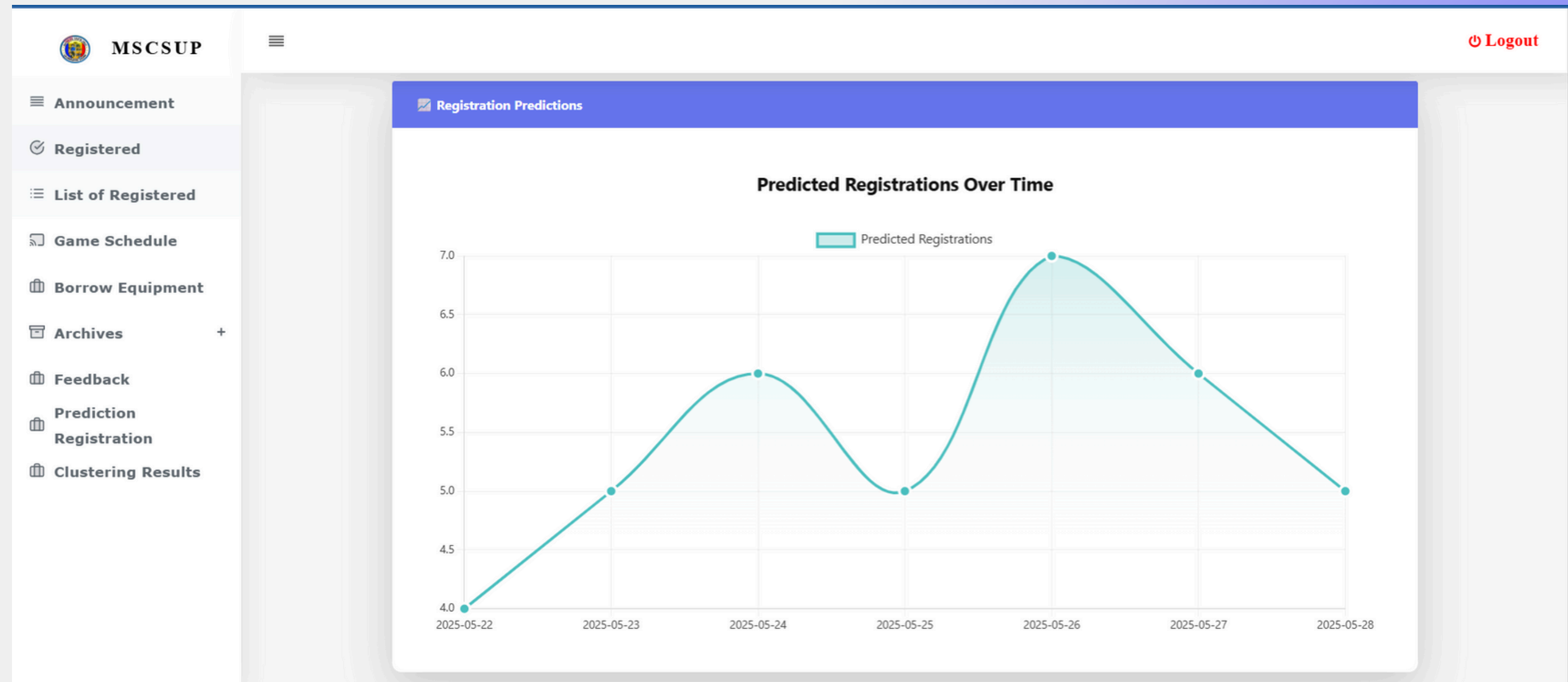**Name:**

Email:
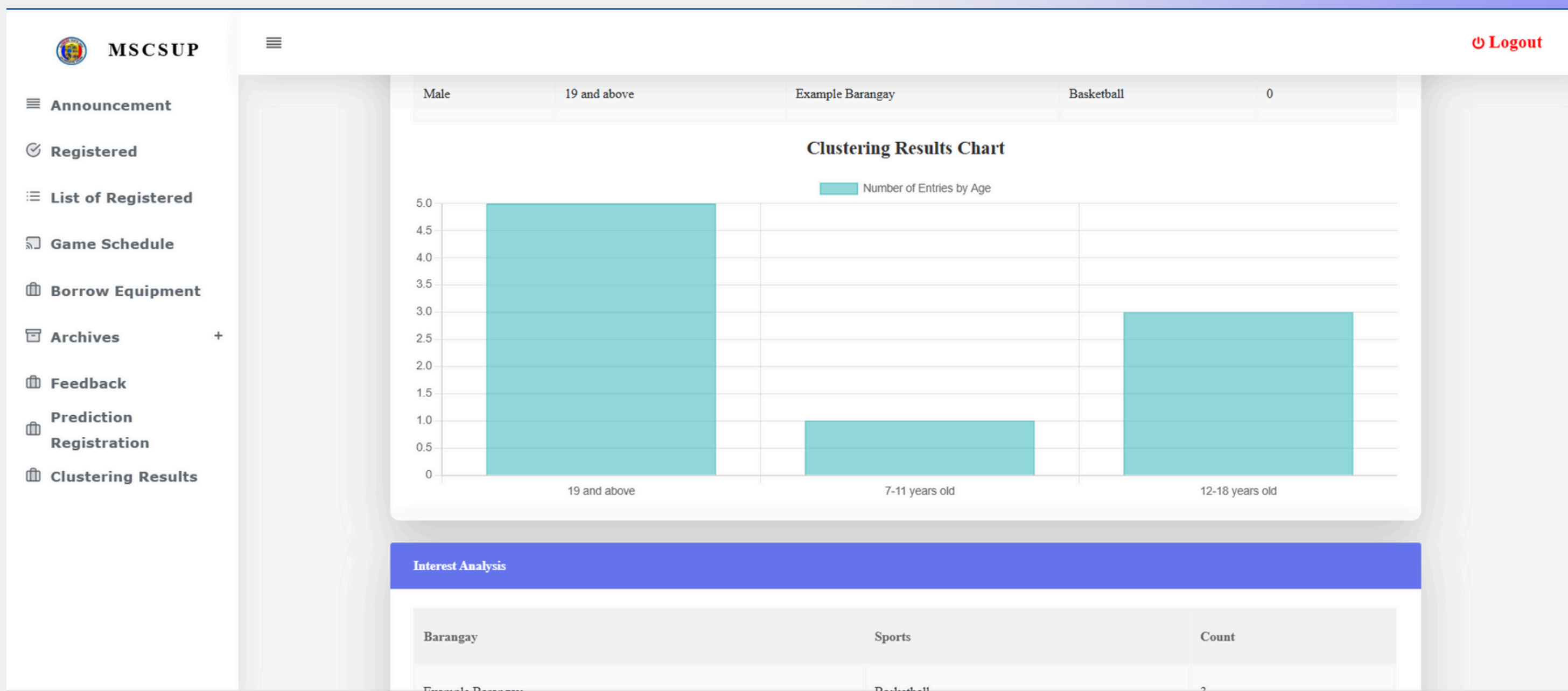
Subject:

Message:

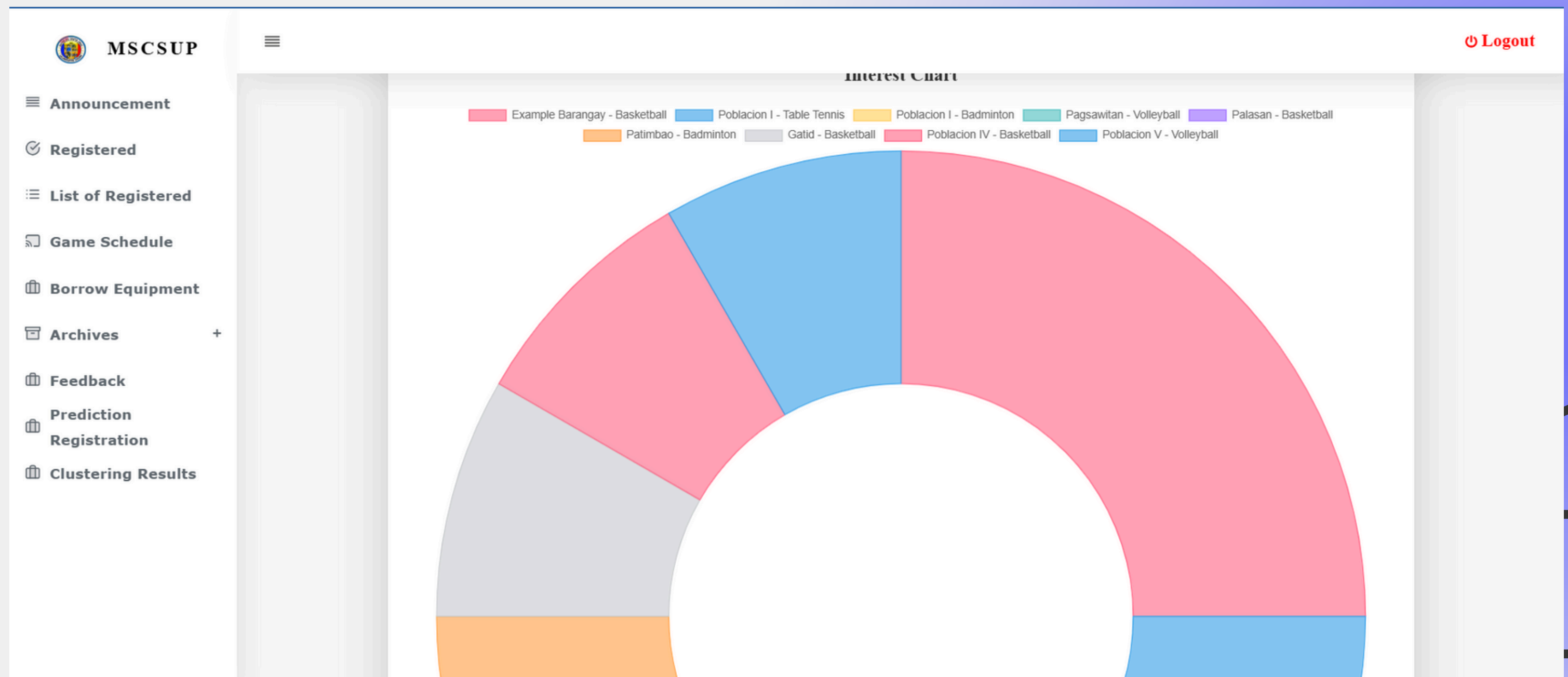Submit

Updated UI/UX Screenshots

AFTER

Updated UI/UX Screenshots

AFTER

03

Updated UI/UX Screenshots

AFTER

Technologies and Frameworks Used

The system utilizes the following technologies and frameworks:

- amCharts library for data visualization
- JavaScript for client-side scripting
- HTML and CSS for structuring and styling
- Webpack for module bundling and optimization

05

Developer Notes / Installation Instructions

To install and run the system, follow these steps:
1. Clone the repository from GitHub.
2. Install the dependencies using **npm install.**
3. Start the development server using **npm start.**
4. Open the application in a web browser.

07

This is code snippet to install and run the system

```
1  git clone https://github.com/your-repo-name.git
2  cd your-repo-name
3  npm install
4  npm start
5  open http://localhost:3000
```

Note for use: Replace the **repo-name** with the actual name of your repository

Thank You

GROUP-3