

# **REPORT SERVER SIDE INTERNET PROGRAMMING**

**IT 2 -20242**

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## **A. Description**

What is Tech Museum?

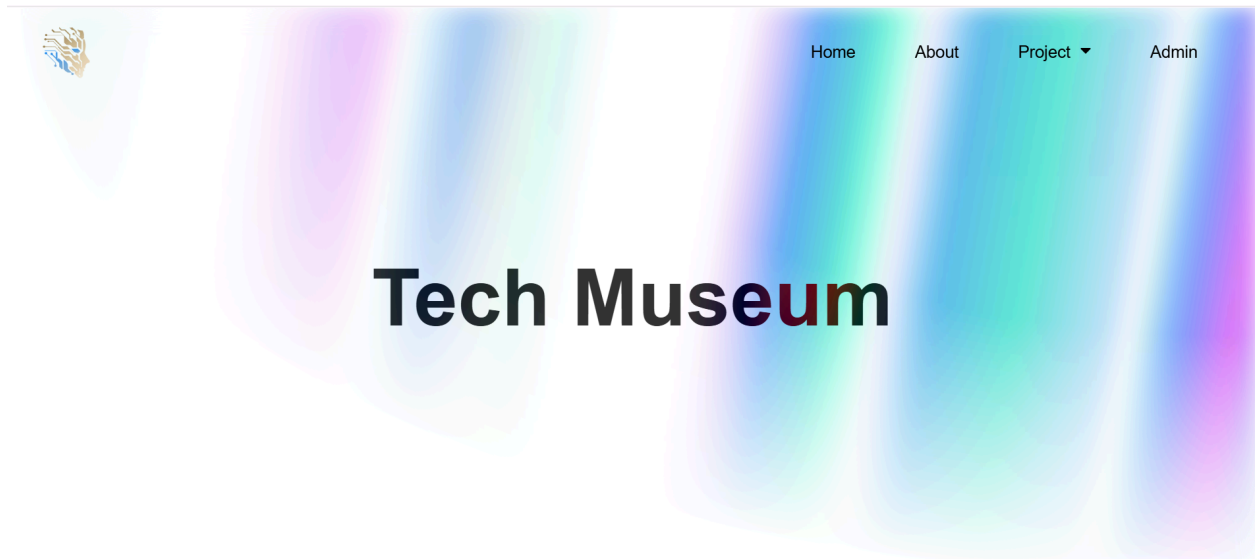
Tech Museum is a website that showcases projects created by students from the Faculty of Computer Science at President University. It serves as a platform where the public can explore and appreciate the innovative ideas and technological creations of these students. By featuring a wide range of projects, Tech Museum aims to inspire collaboration, foster creativity, and highlight the potential of young talent in the field of technology.

In addition to exploring projects, visitors of the website can also participate by submitting their own quotes, testimonials, and technology related projects. Once submitted, these entries will go through an admin approval process. After approval, the content will be publicly displayed on the website, making Tech Museum a collaborative space to share insights, experiences, and innovations in technology.

This report will explain how Tech Museum has fulfilled all the specified technical criteria, including the use of a minimum of three interconnected tables through foreign keys, as well as the complete implementation of CRUD processes (Create, Read, Update, Delete).

## B. Documentation and Explanation

### 1. Homepage - Tech Museum



The homepage of Tech Museum serves as the main entry point for users. It features a clean and modern design, with a minimalist layout that highlights the website's branding and navigation.

- Header Section

The top navigation bar includes key menu items such as:

1. Home = Return the users to the main landing page.
2. About = Provides information about Tech Museum.
3. Project [dropdown] = Allows user to explore project-related features or submission.
4. Admin = Gives access to the admin dashboard for authorized users.

- Logo

A distinctive logo is displayed on the top-left corner, reflecting the tech and innovation theme.

- Title Section

In the center of the page, the site name "Tech Museum" is prominently displayed using bold typography. The gradient background gives a futuristic and tech-inspired aesthetic, enhancing visual appeal.

## 2. About Section - What is Tech Museum



### What is Tech Museum?

Tech Museum is a website that showcases projects created by students from the Faculty of Computer Science at President University. It serves as a platform where the public can explore and appreciate the innovative ideas and technological creations of these students. By featuring a wide range of projects, Tech Museum aims to inspire collaboration, foster creativity, and highlight the potential of young talent in the field of technology.

This page explains that Tech Museum is a platform showcasing student projects from the Faculty of Computer Science at President University. Its goal is to exhibit innovation, encourage collaboration, and highlight the potential of young talents in the field of technology.

## 3. TeamShip Page

### TeamShip



*Jiban Azaria*



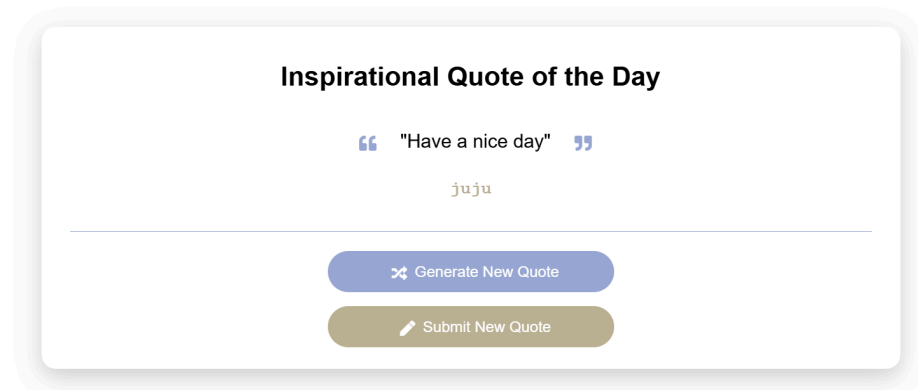
*Sheny Ayu*



*Ajeng Carina*

Is a collaborative team consisting of Jiban Azaria, Sheny Ayu, and Ajeng Carina - three students showcasing their innovative project in President University's Tech Museum, a platform that exhibits technology projects by Computer Science students. This brief profile introduces the team members as part of an initiative to highlight young tech talents.

#### 4. Quote of the Day Page



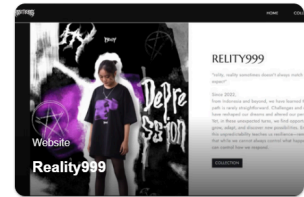
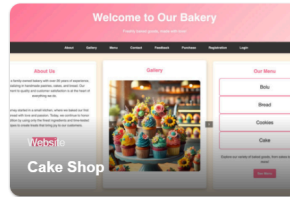
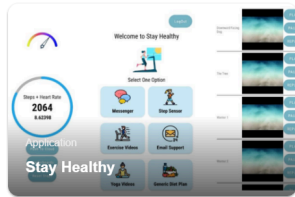
User can Submit New Quote too:

This mockup is identical to the one above, but includes a submission form below the card. The form consists of two input fields: "Enter your inspirational quote" and "Author's Name (optional)". Below these fields is a blue button labeled "Submit Quote".

This page displays daily inspirational quotes that have been approved by the admin. Visitors can also submit new quotes, but they will be moderated first to ensure content quality. Features like "Generate New Quote" allow users to view random quotes that have passed the curation process.

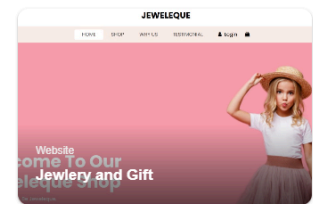
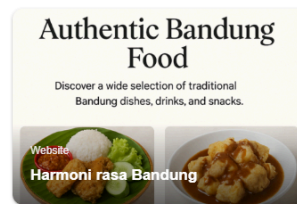
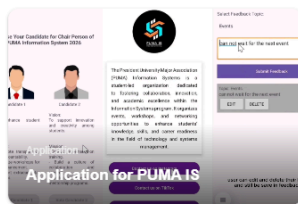
#### 5. Informatic and Information System Project Page

## Informatics Project



[More Project](#)

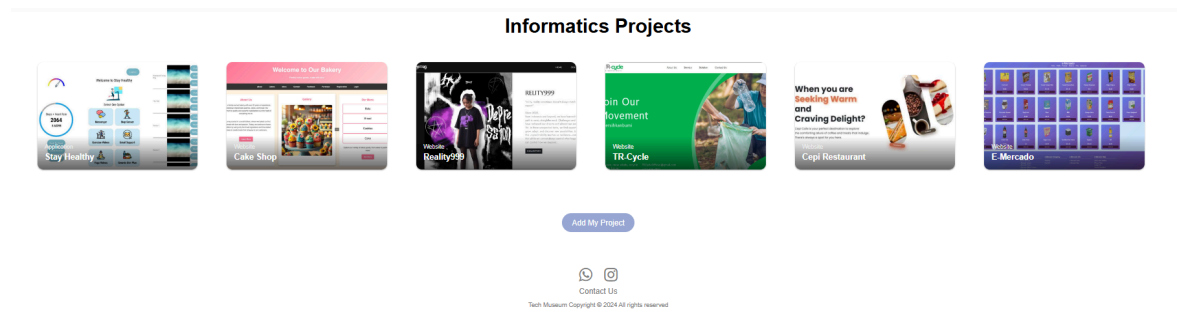
## Information System Project



[More Project](#)

The Informatics Project page is designed to showcase projects created by Computizen, along with detailed explanations of each project. Its function is to allow users to explore and learn about the various IT & IS -related projects developed within the Informatics & Information System department.

### 5. 1 If Click More Project or Clicking “Project” in Navbar Menu



## Information System Projects



Add My Project

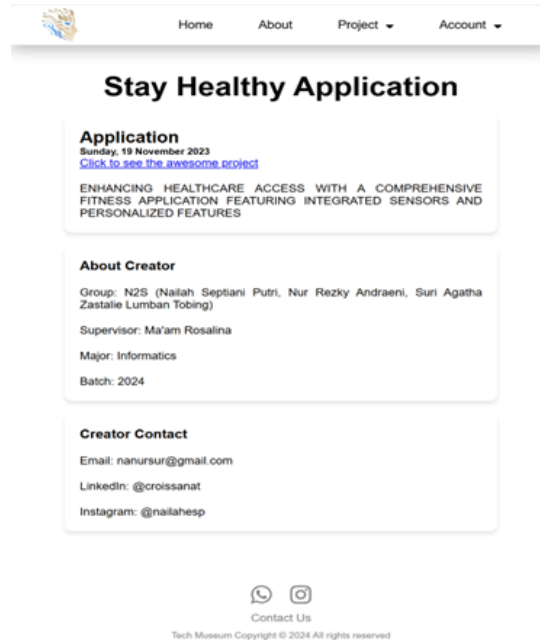


Contact Us

Tech Museum Copyright © 2024 All rights reserved

This page displays all projects that have been uploaded from the IT & IS department in a comprehensive and organized manner.

### 5. 2 If Want To Know More About The Project



If the user clicks on one of these projects the page provides detailed information about the uploaded projects, including the application itself, information about the creator, and the content creator

behind it. And The purpose is to enable users to learn the specific details of IT & IS department projects that are displayed.

### 5.3 Add My Project

**Submit your project here!**

**Project name:**

**Date created:**

**Type of project:**

**Description:**

**Project Link:**

**Creator Identity:**  
☐ Personal  
☐ Group

**Name:**

**Major:**

**Batch:**

**Contact Person:**  
**Instagram:**  
  
**LinkedIn:**

**Phone Number:**

**Email:**

☐ [Agree to the terms and conditions](#)

This page is designed for users to upload their projects. Once uploaded, their projects will be displayed on the project page as shown above. The purpose of this page is to allow users to input details about the projects they wish to upload to the TechMuseum website.

## 5. 4 Agree To The Term and Condition For Uploading Project

### Tech Museum Submission Rules

Rule	Description
Originality	All submitted works must be original and not plagiarized.
Relevance	The work must relate to technology and innovation.
Format	All works must adhere to the specified format (e.g., PDF, JPG).

1. Submission Deadline: All works must be submitted by the end of the month.
2. Eligibility: Open to students aged 15–25 only.

- Ensure the work highlights innovation in technology.
- Provide a detailed description of the project upon submission.

1. Contact Details: Include your email and phone number for communication.
2. Copyright: Authors retain copyright but grant permission for exhibition.

- No offensive content is allowed in the submissions.
- Submissions will undergo a review process before approval.

Do you agree to the submission rules above?

☐ I Agree ☐ I Disagree


Submit

This page outlines the submission rules that users must agree to before uploading their projects to the TechMuseum website. The purpose of this page is to ensure that users read and agree to the submission rules before proceeding to upload. This helps maintain originality, relevance, and adherence to the required project format.

## 6. Testimonial Page

### What they said about us?


Average Rating: 4.3 ★



juju

★★★★☆


Thanks



caca

★★★★☆

"Your website is very interesting. It's perfect!"



sisi

★★★★★

gg bro

<

>



### Add Your Review

Choose File

No file chosen

Rating:

Choose

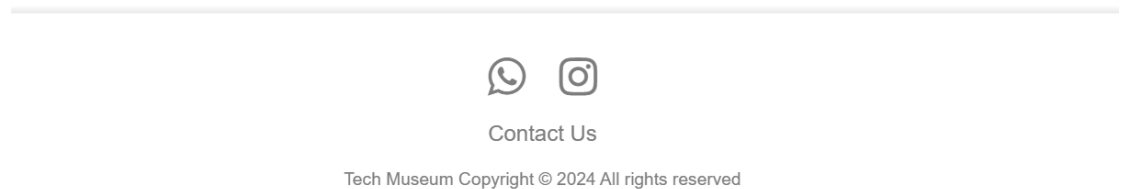
Your Review (max 150 chars)

0/150

Submit

This page allows visitors to submit testimonials that will be displayed on the website after being approved by the admin. Data requested: name, file (optional), rating, and review (max 150 characters). All testimonials will go through a moderation process first.

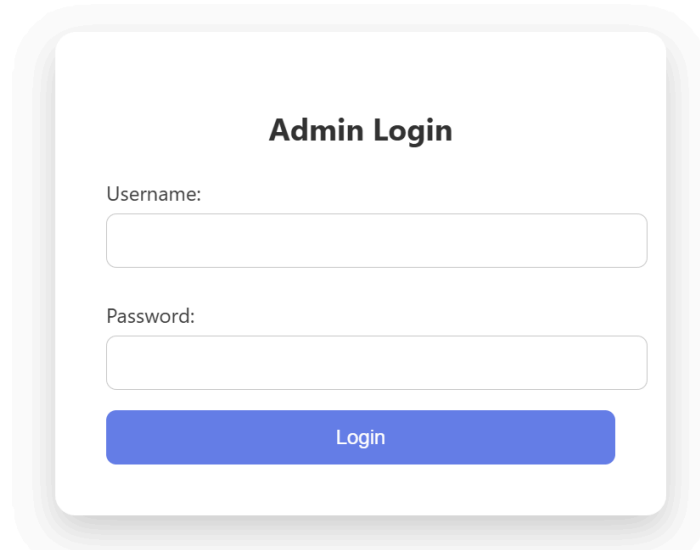
## 7. Footer Page



The footer section includes WhatsApp and Instagram icons. Clicking the WhatsApp icon will connect users to our WhatsApp number, while clicking the Instagram icon will redirect them to the Instagram page of Informatics President University. Additionally, there is a 'Contact Us' link that also connects to our WhatsApp number. Lastly, the footer displays a copyright notice to represent our website's ownership.

On each page of the TechMuseum website, there is a footer page at the bottom of the page with different WhatsApp numbers according to who is responsible for the page.

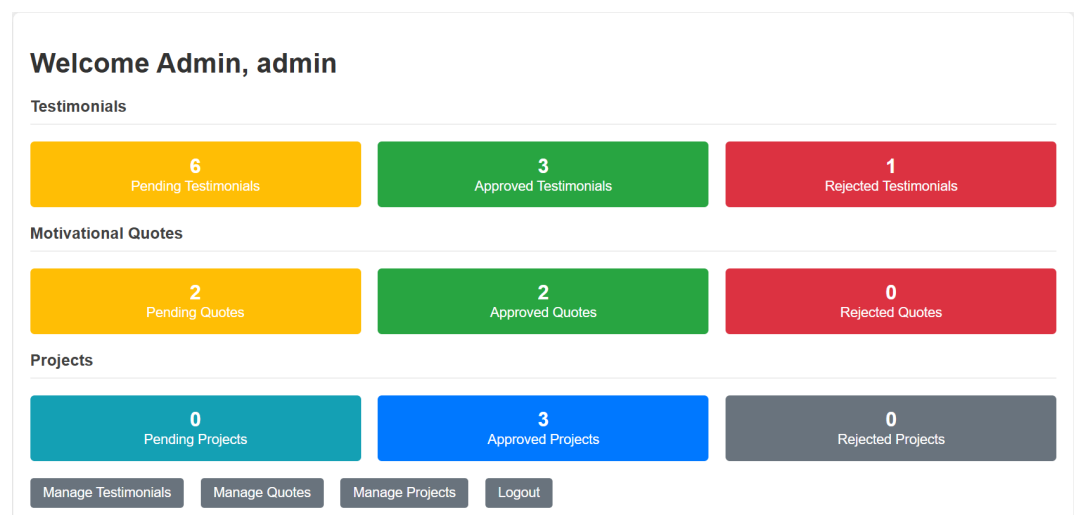
## 8. Admin Login Page



The Admin Login page features a white card with rounded corners and a subtle shadow. At the top, the title "Admin Login" is centered in a bold, black font. Below the title, there are two input fields: "Username:" and "Password:". Each label is positioned to the left of its respective input box. The "Username:" input box is a simple white rectangle with a thin gray border. The "Password:" input box is a white rectangle with a thin gray border and a small gray eye icon on the right side to toggle visibility. Below the password field is a solid blue button with the word "Login" in white text, centered.

This Admin Login page provides exclusive access for administrators, requiring a valid username and password to enter the system, allowing them to manage website content such as approving user-submitted testimonials, quotes and project, with security measures ensuring only authorized personnel can access the admin dashboard.

## 9. Admin Dashboard Page



This admin dashboard displays moderation statistics for testimonials (6 pending, 3 approved, 1 rejected), motivational quotes (2 pending, 2 approved, 0 rejected), and projects (0 pending, 3 approved, 0 rejected), with management buttons for each category and a logout option to securely exit the system.

## Add New Admin

Username:

Password:

Add Admin

In this admin dashboard page you can also add new admins.


## 10. Manage Testimonial Page


[← Back to Dashboard](#)

### Manage Testimonials

Action completed successfully!

All Pending Approved Rejected

**Carinaa**  
★★★★☆  
a  
Status: Pending  
Approve Reject Delete

**kk**  
★★★★★  
/k  
Status: Pending  
Approve Reject Delete

[← Back to Dashboard](#)

## Manage Testimonials

All Pending **Approved** Rejected


 **juju**  
★★★★☆  
**Thanks**  
Status: Approved  
[Delete](#)


 **caca**  
★★★★☆  
**"Your website is very interesting. It's perfect!"**  
Status: Approved  
[Delete](#)

[← Back to Dashboard](#)

## Manage Testimonials

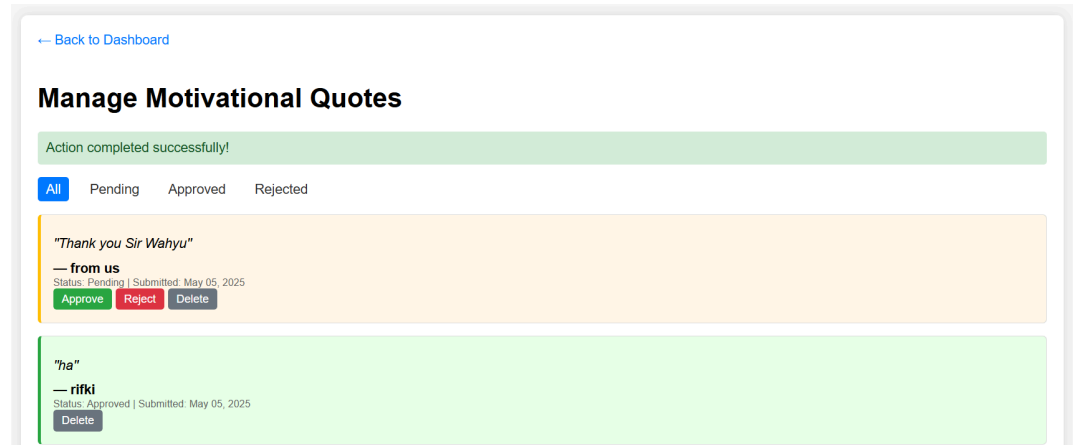
All Pending Approved **Rejected**

 **sisi**  
★★★★☆  
**as**  
Status: Rejected  
[Delete](#)

 **moreno**  
★★★★☆  
**jlk**  
Status: Rejected  
[Delete](#)

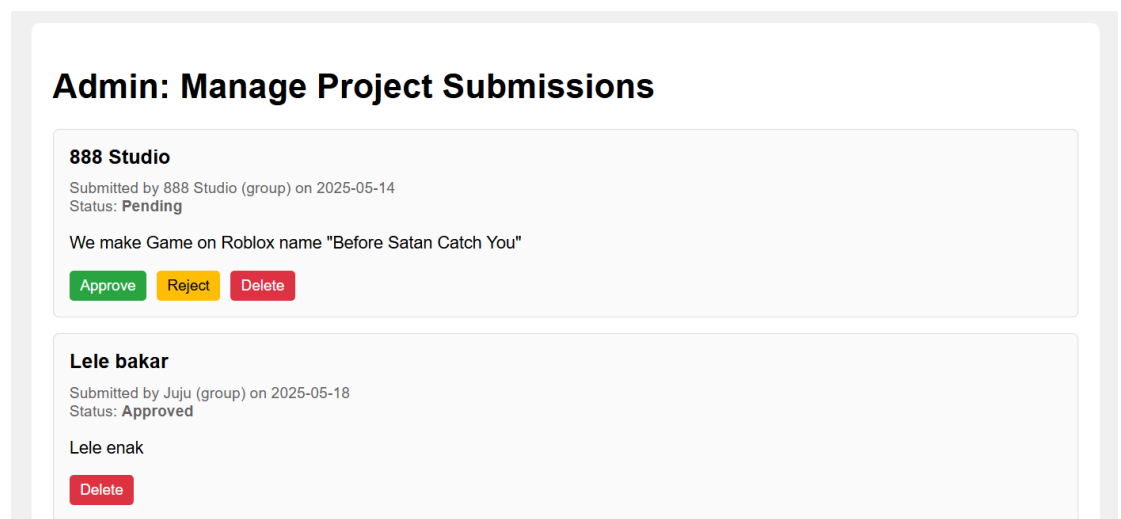
This "Manage Testimonials" page is an admin panel for moderating user testimonials, displaying a filterable list (All/Pending/Approved/Rejected). Each entry shows the reviewer's name (e.g., Carlina), star ratings, and status (e.g., Pending), with action buttons to Approve, Reject (Roped), or Delete. The "Action completed successfully!" message confirms previous actions were processed.

## 11. Manage Quote Page



The "Manage Quotes" page is an admin panel for moderating user-submitted inspirational quotes, displaying a filterable list (All/Pending/Approved/Rejected) where each entry shows the quote text, author name (if provided), and moderation status (Pending/Approved/Rejected), complete with action buttons to Approve (publish), Reject (labeled "Roped"), or Delete (permanent removal), featuring an "Action completed successfully!" notification to confirm the last action was processed, enabling administrators to screen content before public display on the website.

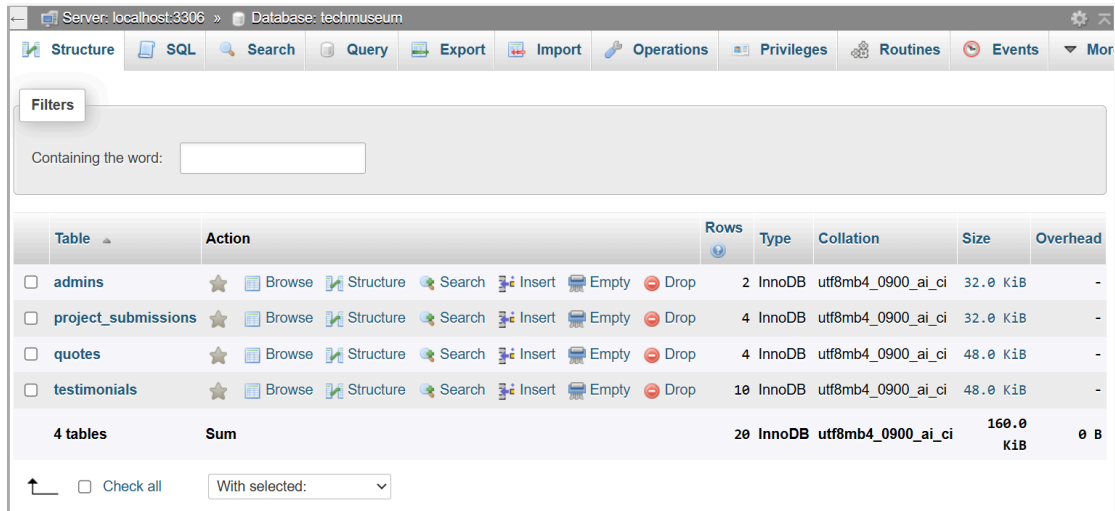
## 12. Manage Project Page



This project submission management page displays student projects in two approval stages: 1) The "888 Studio" project with Pending status awaiting admin approval (with Approve/Reject/Delete options), and 2) The "Lele bakar" project which has been Approved but is queued for admin to create its

dedicated display page before public viewing. Each entry shows submitter details, submission date, brief description, and current status, where approved projects require additional admin work to create their display pages prior to publication.

## C. Database



Server: localhost:3306 » Database: techmuseum

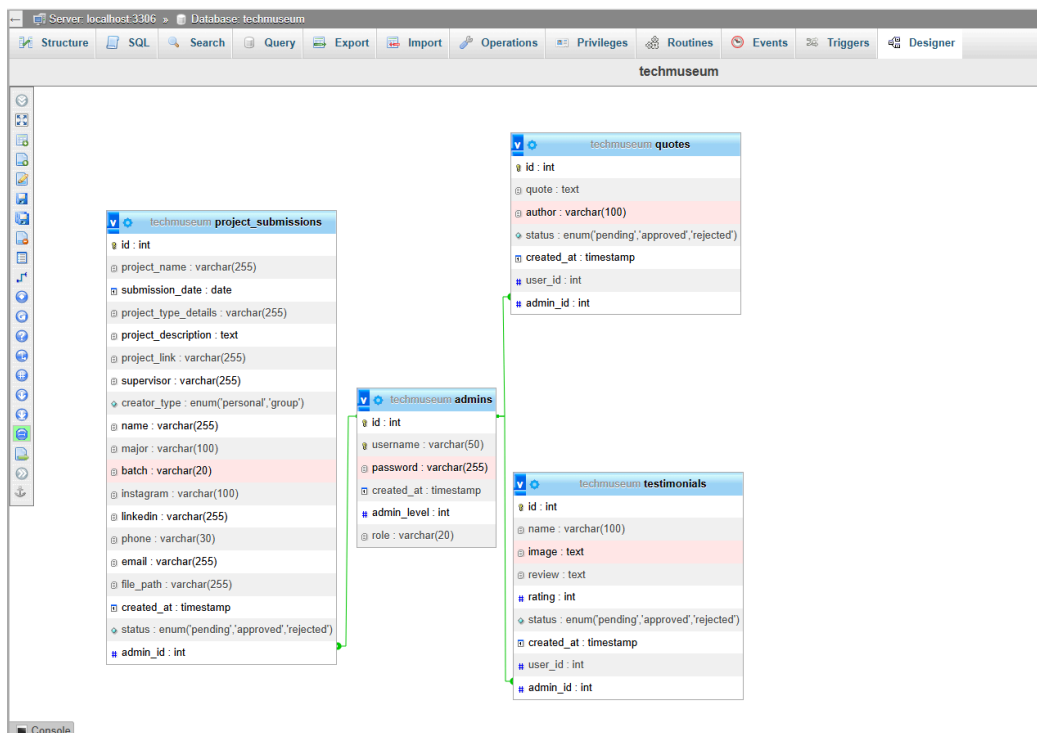
Structure SQL Search Query Export Import Operations Privileges Routines Events More

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> admins	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
<input type="checkbox"/> project_submissions	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_0900_ai_ci	32.0 KiB	-
<input type="checkbox"/> quotes	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_0900_ai_ci	48.0 KiB	-
<input type="checkbox"/> testimonials	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_0900_ai_ci	48.0 KiB	-
4 tables	Sum	20	InnoDB	utf8mb4_0900_ai_ci	160.0 KiB	0 B

⬆ ☐ Check all With selected: ▼



This is the database where any quote, testimonial, or project submitted by website visitors will be automatically stored. Through this database, admin data is also securely stored and kept hidden from other users. Additionally, this project meets all the specified requirements, such as :

#### 1. Minimum of 3 Tables Connected via Foreign Keys

In the design of the Tech Museum database, there are three main tables that are directly connected using foreign keys:

- Project\_submissions table  
Contains the admin\_id column as a foreign key referencing admins(id). This links each project submission to the admin responsible for reviewing or approving the project.
- Quote table  
Includes admin\_id and user\_id as foreign keys. The admin\_id refers to the admin who moderates the quote, while the user\_id (assumed to reference a users table) identifies the user who submitted the quote.
- Testimonials table  
Also includes admin\_id and user\_id as foreign keys, linking testimonials to the admin and the user who submitted them.

Within these relationships, the database structure fulfills the requirement of having at least three tables connected through foreign keys, ensuring proper data integrity and relational structure.

#### 2. Full Support for CRUD Operations (Create, Read, Update, Delete)

The database is designed to fully support all four essential CRUD operations across the connected tables:

- Create  
The system allows users and administrators to insert new data into tables such as project\_submissions, quotes, and testimonials. This includes submitting projects, adding user quotes, or writing testimonials.
- Read (select)  
Data retrieval is fully supported. The system can display existing records from each table, either as a whole or filtered by criteria like approval status or user identity.
- Update

Authorized administrators have the ability to modify existing data. For example, they can change the status of a project submission from "pending" to "approved" or update the content of a testimonial.

- Delete

The system allows data removal when necessary. Records from any of the key tables can be deleted by admin users or based on predefined system rules to maintain data relevance and integrity.