

REPORT FINAL EXAM
TECHMUSEUM : A PHP BASED APPLICATION FOR SHOWCASING AND
MANAGING STUDENT TECH PROJECTS

Subject : Server Side Internet Programming

Lecturer : Williem, M.Sc.



Developed by :

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JABABEKA

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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.

- Navigation Bar 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 (dropdown : Informatics and Information System).
- 4) **Admin** = Gives access to the admin dashboard for authorized users.

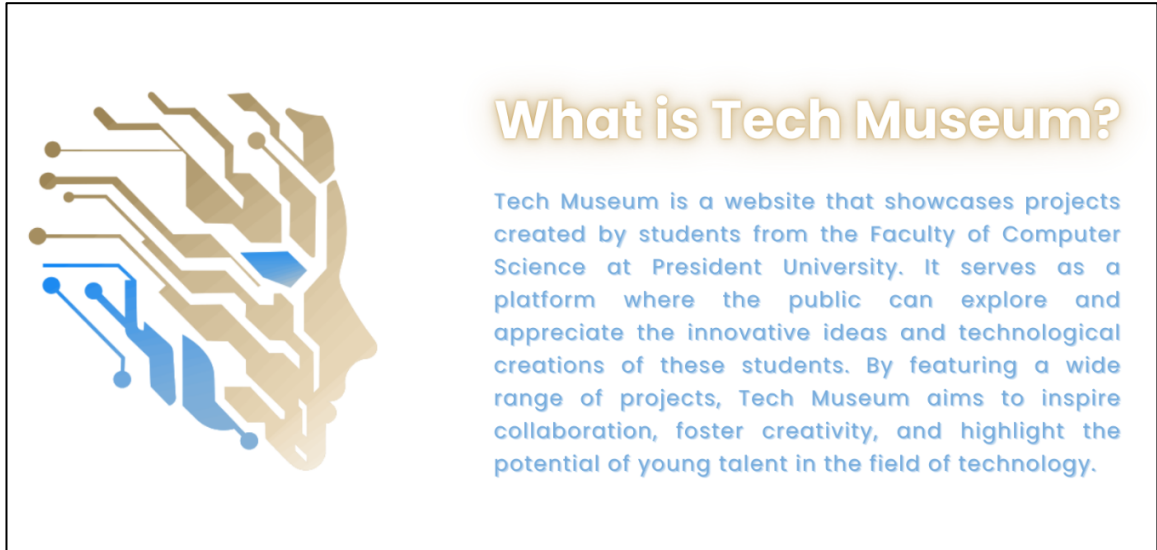
- Logo

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



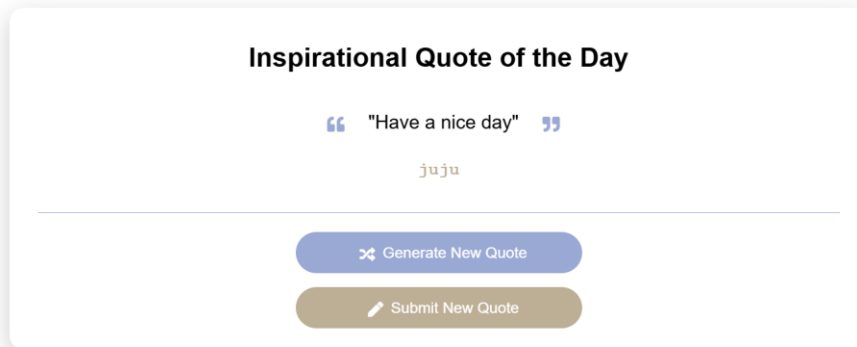
This page explains that Tech Museum is a platform showcasing student projects from the Faculty of Computer Science at President University. Its goal is to exhibit innovation, encourage collaboration, and highlight the potential of young talents in the field of technology.

3. TeamShip Page

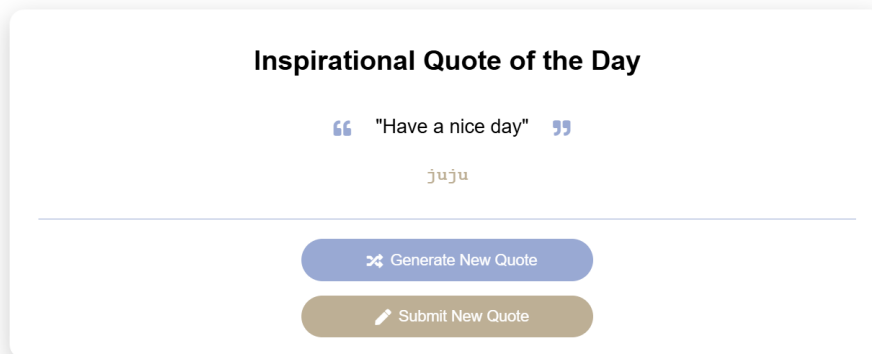


Is a collaborative team consisting of Jihan Azaria, Sheny Ayu, and Ajeng Carina. Three students showcasing their innovative project in President University's Tech Museum, a platform that exhibits technology projects by Computer Science students. This brief profile introduces the team members as part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

4. Quote of the Day Page



User can Submit New Quote too:



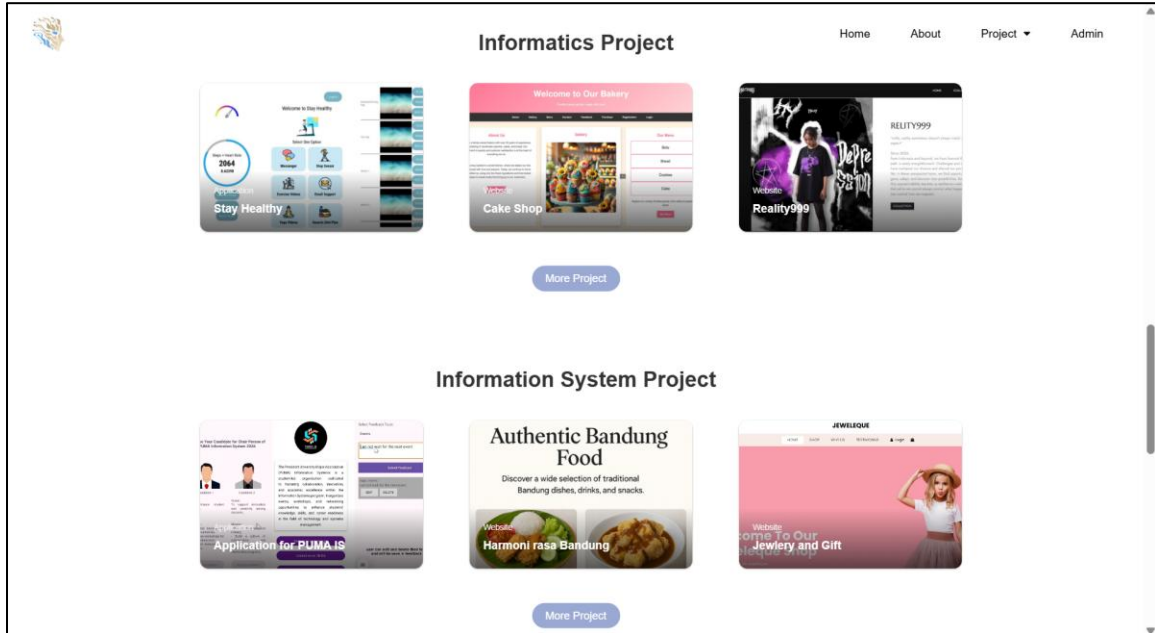
Enter your inspirational quote

Author's Name (optional)

Submit Quote

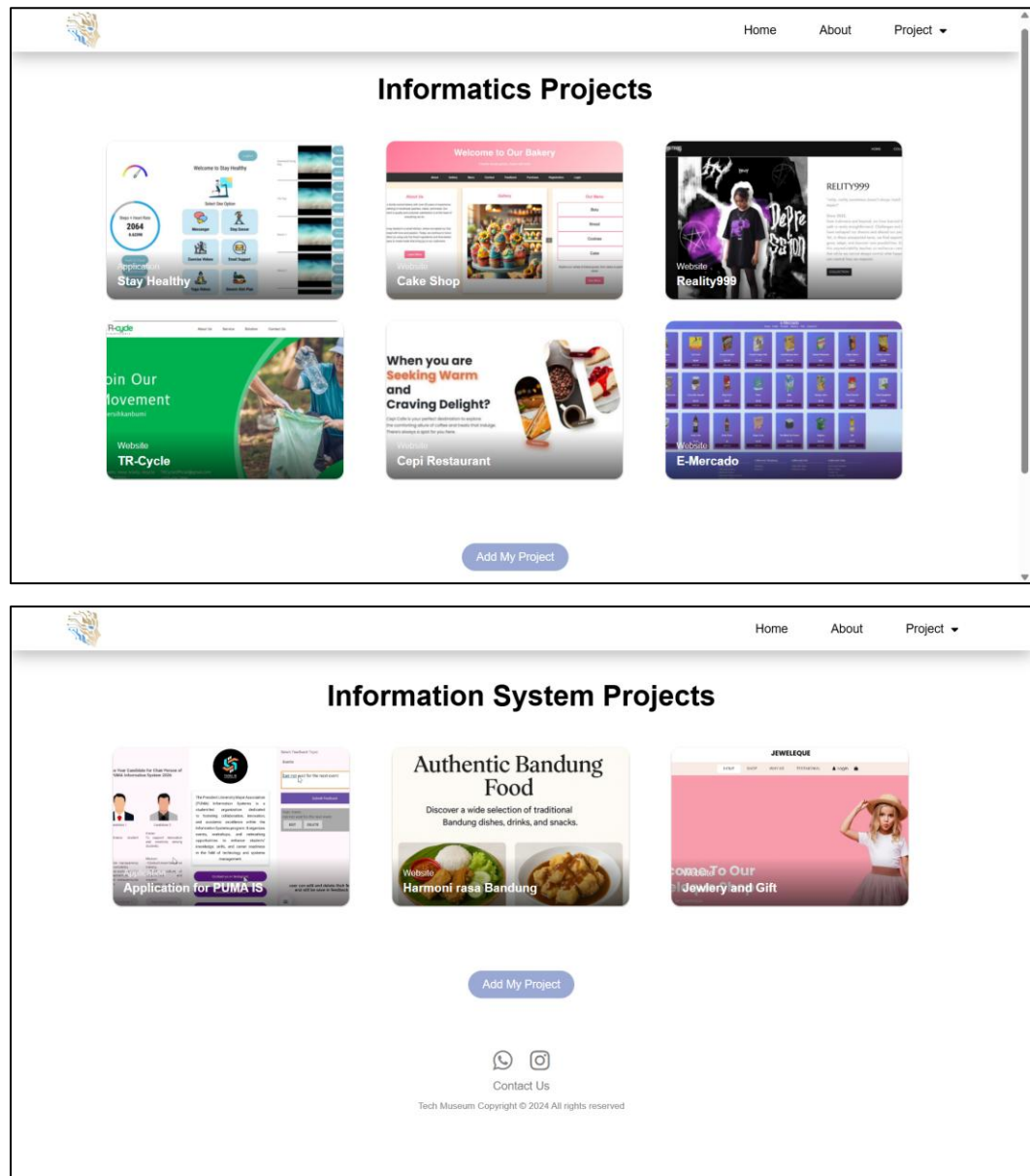
This page displays daily inspirational quotes that have been approved by the admin. Visitors can also submit new quotes, but they will be moderated first to ensure content quality. Features like "Generate New Quote" allow users to view random quotes that have passed the curation process.

5. Informatic and Information System Project Page



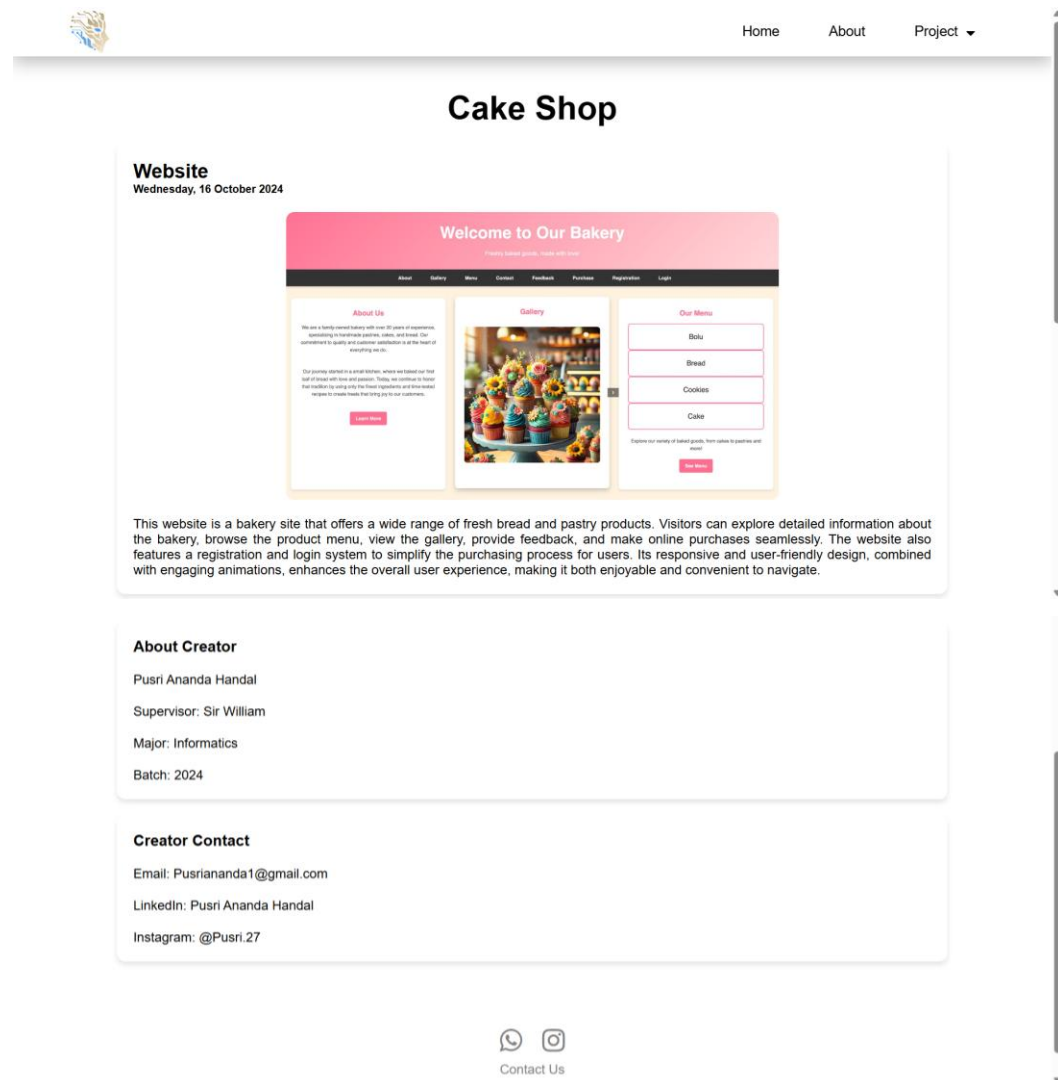
The Informatics Project page is designed to showcase projects created by Computizen, along with detailed explanations of each project. Its function is to allow users to explore and learn about the various IT & IS -related projects developed within the Informatics & Information System department.

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



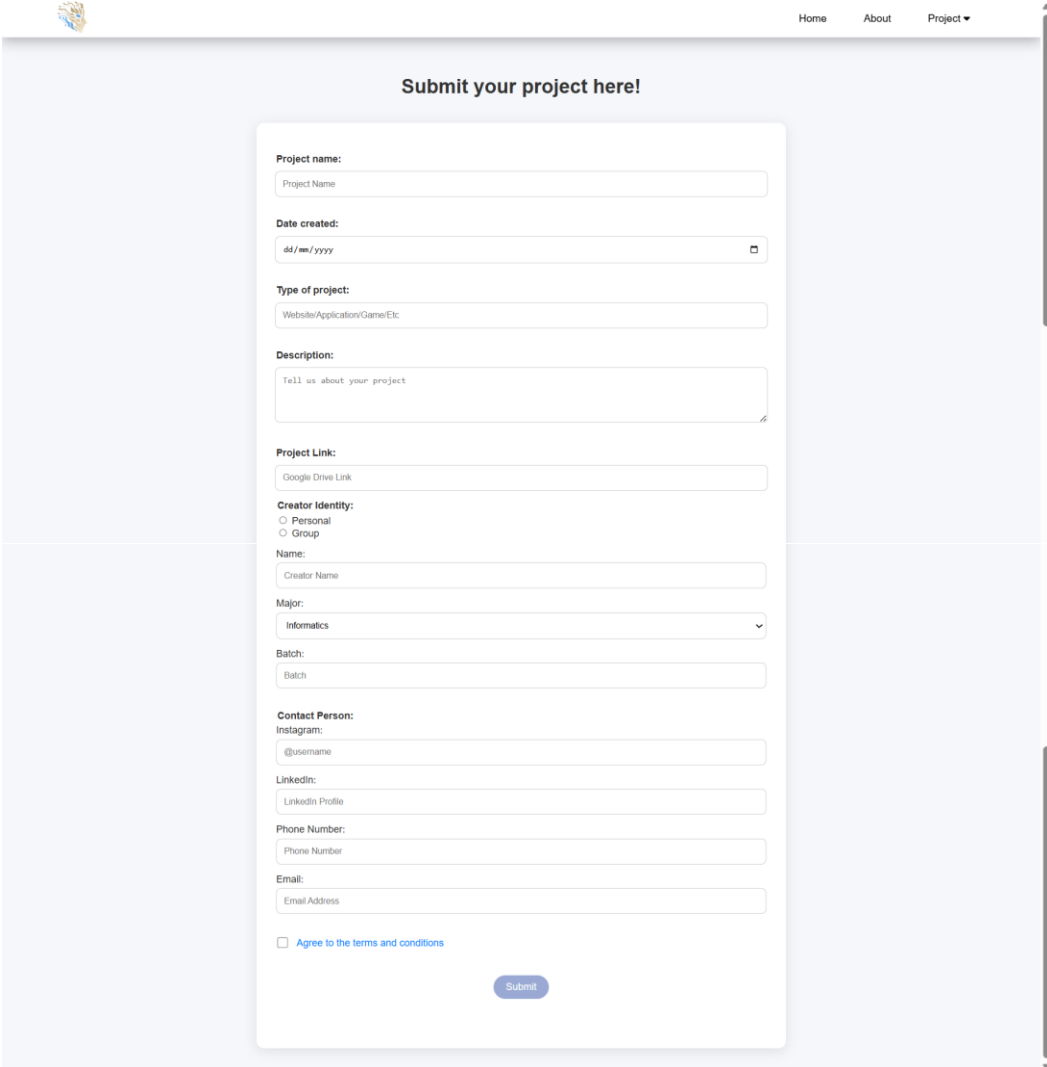
This page displays all projects that have been uploaded from the IT & IS department in a comprehensive and organized manner.

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




The screenshot shows a web page titled "Submit your project here!" with a light blue background. At the top left is a small logo, and at the top right are navigation links: "Home", "About", and "Project" with a dropdown arrow. The form itself is a white card with the following fields:

- Project name:** A text input field with placeholder text "Project Name".
- Date created:** A date picker field showing "dd/mm/yyyy".
- Type of project:** A text input field with placeholder text "Website/Application/Game/Etc".
- Description:** A large text area with placeholder text "Tell us about your project".
- Project Link:** A text input field with placeholder text "Google Drive Link".
- Creator Identity:** Two radio buttons labeled "Personal" and "Group".
- Name:** A text input field with placeholder text "Creator Name".
- Major:** A dropdown menu with "Informatics" selected.
- Batch:** A text input field with placeholder text "Batch".
- Contact Person:** A section containing four fields: "Instagram:" (placeholder "@username"), "LinkedIn:" (placeholder "LinkedIn Profile"), "Phone Number:" (placeholder "Phone Number"), and "Email:" (placeholder "Email Address").

At the bottom of the form, there is a checkbox labeled "Agree to the terms and conditions" and a blue "Submit" button.

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



[Home](#) [About](#) [Project](#) [Account](#)

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](#)



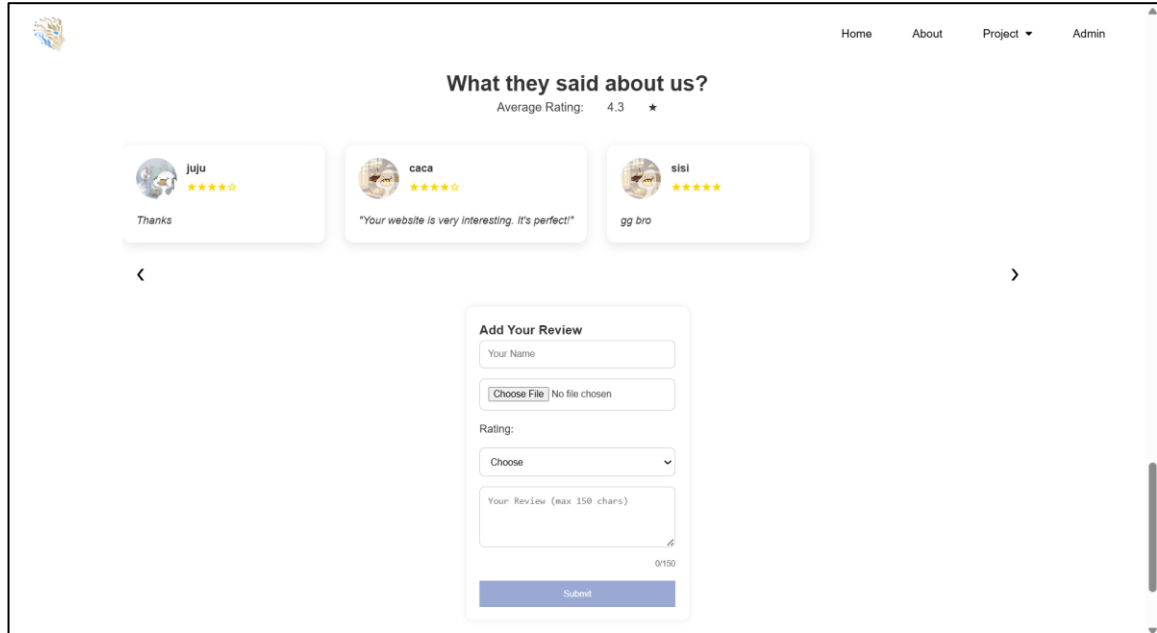


Contact Us

Tech Museum Copyright © 2024 All rights reserved

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.

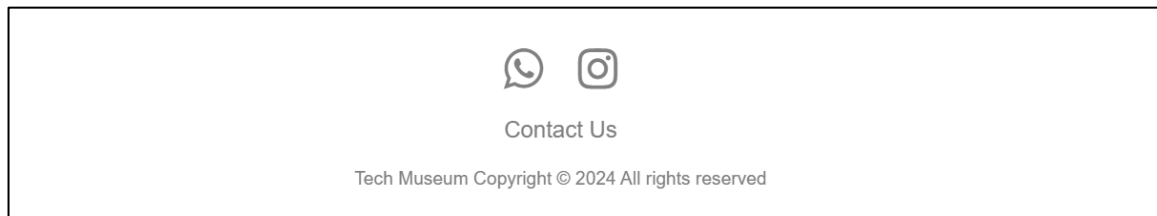
6. Testimonial Page



The screenshot shows a web page titled "What they said about us?" with an "Average Rating: 4.3 ★". It displays three testimonials from users "juju", "caca", and "sisi", each with a 5-star rating. Below the testimonials is a "Add Your Review" form with fields for "Your Name", "Choose File" (with "No file chosen"), "Rating" (a dropdown menu), and "Your Review (max 150 chars)". A "Submit" button is at the bottom of the form. The page has a navigation bar with links for Home, About, Project, and Admin.

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

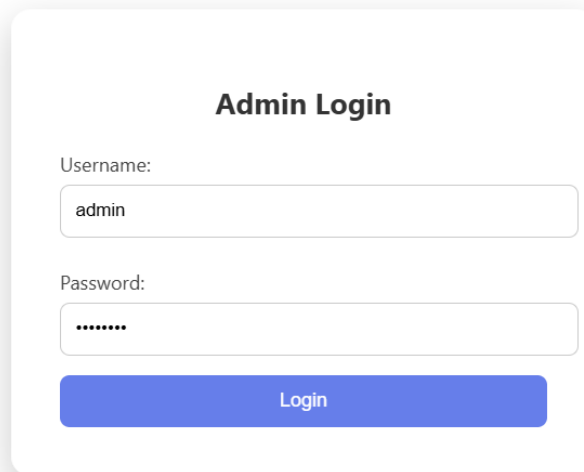


The screenshot shows a footer section with WhatsApp and Instagram icons, a "Contact Us" link, and a copyright notice: "Tech Museum Copyright © 2024 All rights reserved".

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

A screenshot of an 'Admin Login' form. The form is centered on a white background with a subtle shadow. It has a title 'Admin Login' in bold black text. Below the title, there are two input fields: 'Username:' with the text 'admin' and 'Password:' with masked characters '.....'. At the bottom is a blue 'Login' button.

Admin Login

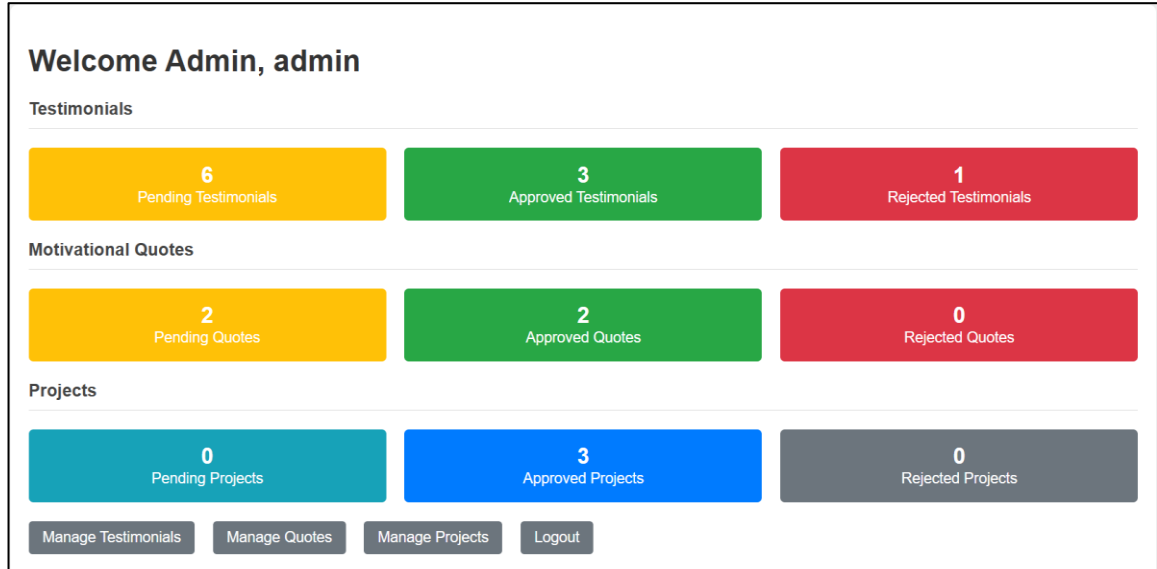
Username:
admin

Password:
.....

Login

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. (Username: admin) (Password: admin123)

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.

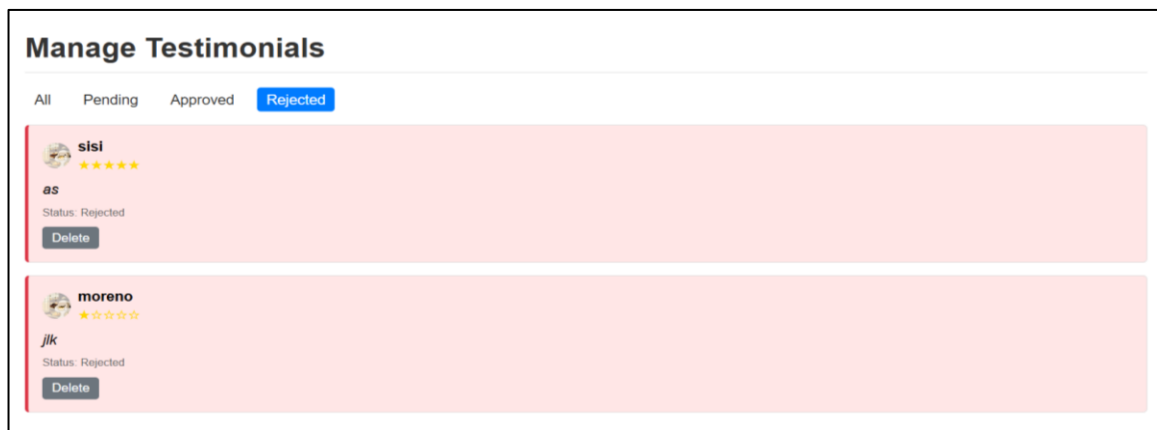
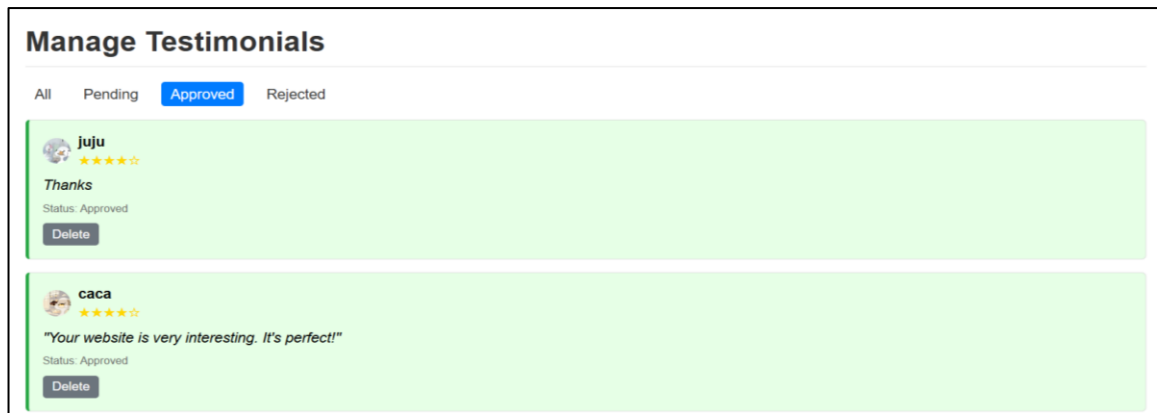
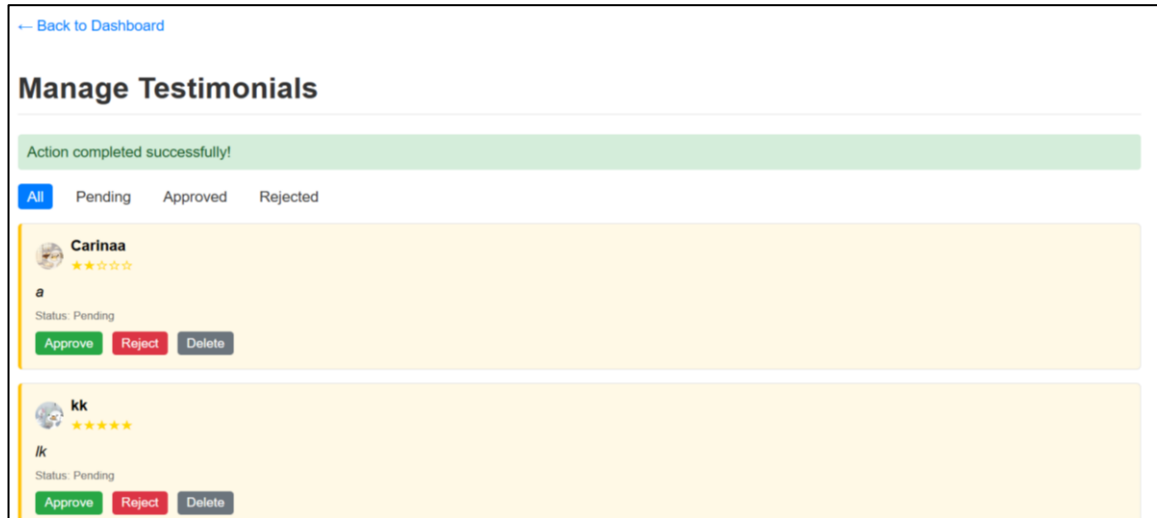
Add New Admin

Username:

Password:

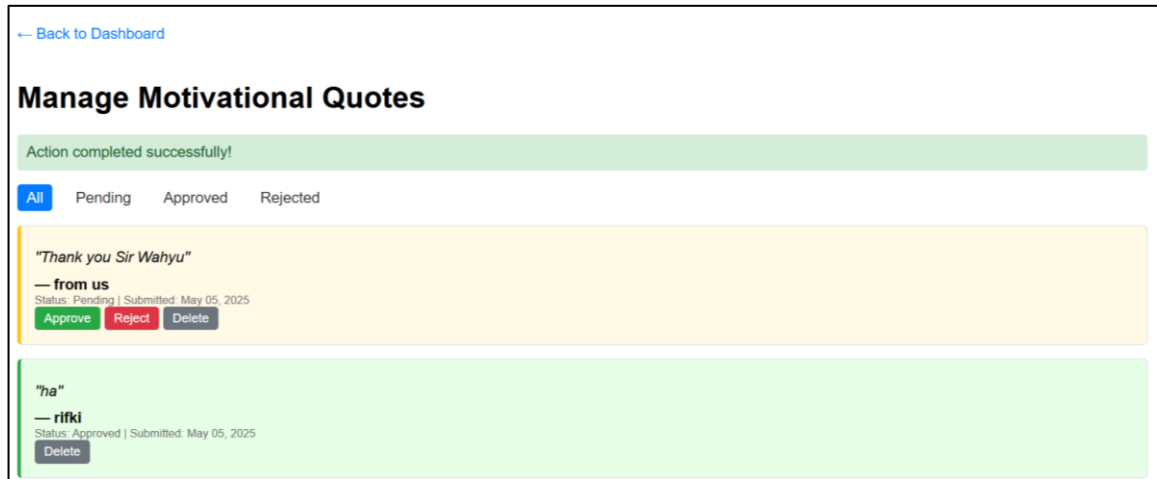
In this admin dashboard page you can also add new admins.

10. Manage Testimonial Page



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

Admin: Manage Project Submissions

888 Studio

Submitted by 888 Studio (group) on 2025-05-14
Status: **Pending**

We make Game on Roblox name "Before Satan Catch You"

[Approve](#) [Reject](#) [Delete](#)

Lele bakar

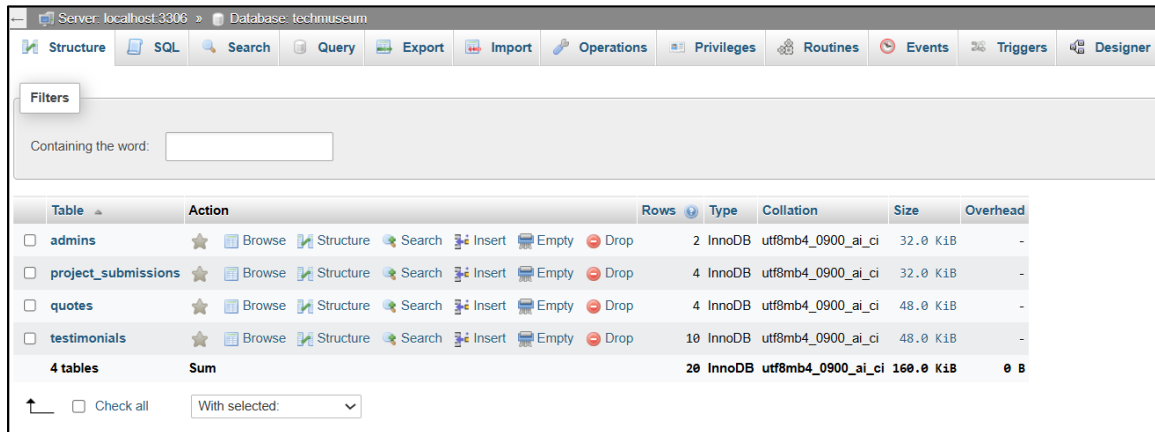
Submitted by Juju (group) on 2025-05-18
Status: **Approved**

Lele enak

[Delete](#)

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



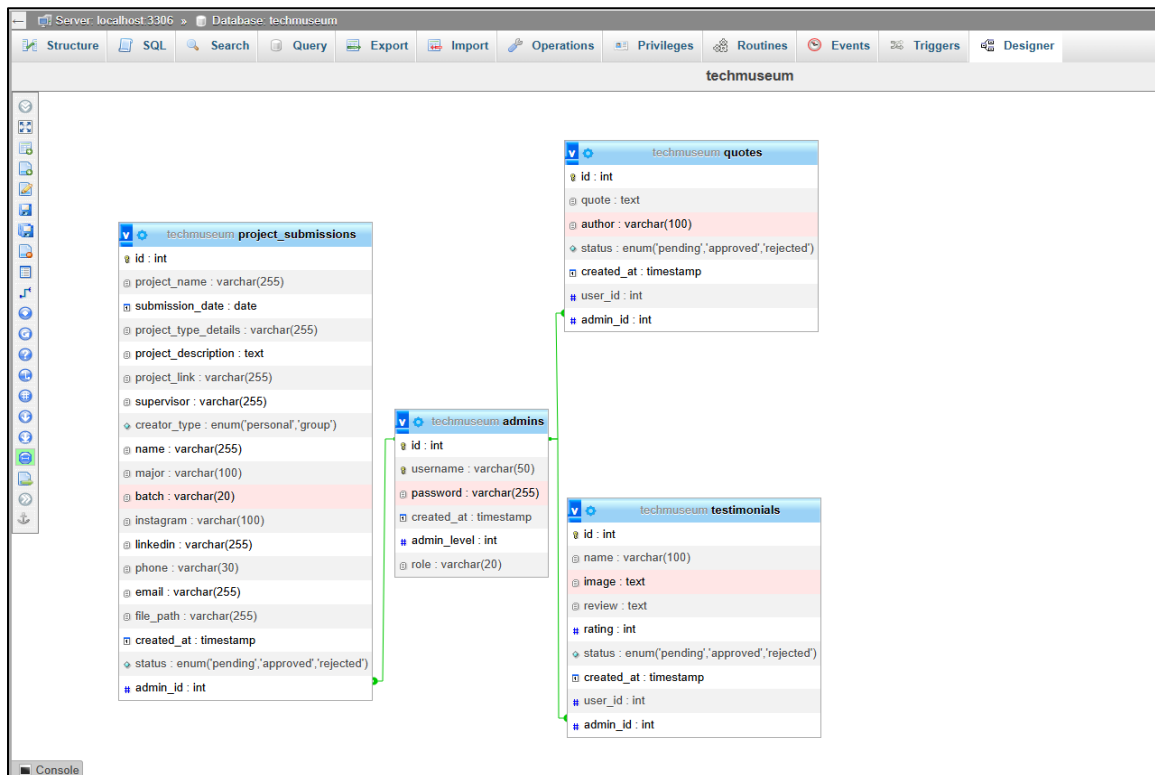
Server: localhost:3306 » Database: technmuseum

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.