SCHOOL ADMISSION PORTAL

Group 8

ANGGOTA KELOMPOK

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CERTIFICATE & ACKNOWLEDGEMENT

This is to certify that the project titled "School Admission Portal" is the original work of Muhammad Ibnu Fauzi and Rafa Raihan, completed as part of their course requirements under the guidance of Mr. Listyo Edi Prabowo at NIIT.

We would like to express our sincere gratitude to God for His blessings, and to Mr. Listyo Edi Prabowo for his continuous support and guidance throughout the development of this project. We also thank everyone who encouraged and motivated us during this process.

Although we have done our best, we realize that this project is not perfect. We welcome constructive feedback and sincerely apologize for any errors or shortcomings in this work.

SYSTEM ANALYSIS - SUMMARY

The School Admission Portal is a web-based system developed using PHP and MySQL to simplify and digitize the student admission process. It allows students to register online, upload necessary documents such as certificates, report cards, ID photos, and family cards, as well as track their admission status.

Students can communicate with administrators through an internal messaging system and receive updates regarding their application progress. On the other side, administrators are able to verify student documents, manage exam permissions, evaluate exam results, and update admission statuses – all in one centralized system.

This platform reduces paperwork, minimizes human errors, and ensures a faster, more transparent admission process.

SYSTEM ANALYSIS - BENEFITS

The School Admission Portal offers several key benefits that improve the traditional admission process:

It significantly saves time and reduces administrative costs by digitizing registration and document management. The system increases transparency, allowing both students and administrators to clearly track and manage the admission process.

With a modern, user-friendly interface, it provides flexibility and easy access from anywhere. It also ensures secure handling of student data, reduces manual errors, and facilitates smooth communication between students and the school.

Ultimately, it supports smarter decision-making and a more efficient, scalable admission system.

DATABASE STRUCTURE

- DB Admin

Stores admin user credentials and related information for system access and control.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖊 Change	🔴 Drop	More
2	admin_id 🔑	varchar(50)	utf8mb4_general_ci		No	None			🖊 Change	🔴 Drop	More
3	password_hash	varchar(255)	utf8mb4_general_ci		No	None			🖊 Change	🔴 Drop	More
4	created_at	datetime			Yes	current_timestamp()			🖊 Change	🔴 Drop	More

DATABASE STRUCTURE

- DB Answer

- Holds student responses to exam questions, linked to specific exam sessions and users.

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change	⊖ Drop	More
☐	2	exam_session_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	More
☐	3	question_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	More
☐	4	selected_answer	enum('A', 'B', 'C', 'D')	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	More
☐	5	is_correct	tinyint(1)			No	None			🖉 Change	⊖ Drop	More
☐	6	answered_at	datetime			Yes	current_timestamp()			🖉 Change	⊖ Drop	More

DATABASE STRUCTURE

- DB Documents

Manages all uploaded student documents such as certificates, report cards, ID photos, and family cards. Each file is associated with the corresponding student's registration.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change ⊖ Drop More
2	registration_id 🔑	int(11)			No	None			🖉 Change ⊖ Drop More
3	document_type	enum('Ijazah', 'Rapor', 'Pas Foto', 'Kartu Keluarg...	utf8mb4_general_ci		No	None			🖉 Change ⊖ Drop More
4	file_path	varchar(255)	utf8mb4_general_ci		No	None			🖉 Change ⊖ Drop More
5	uploaded_at	datetime			Yes	current_timestamp()			🖉 Change ⊖ Drop More
6	document_name	varchar(50)	utf8mb4_general_ci		No	None			🖉 Change ⊖ Drop More

DATABASE STRUCTURE

- DB_EXAM_RESULTS:

Stores students' exam scores and evaluation results. Each record is linked to the corresponding exam session and student.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change	⊖ Drop	More
2	exam_session_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	More
3	question_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	More
4	selected_answer	enum('A', 'B', 'C', 'D')	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	More
5	is_correct	tinyint(1)			No	None			🖉 Change	⊖ Drop	More

DATABASE STRUCTURE

- ## DB_EXAM_SESSIONS:

Contains details about scheduled exam sessions, including date, time, and status. It helps manage student eligibility and attendance.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change	⊖ Drop	More
2	registration_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	More
3	major_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	More
4	start_time	datetime			No	None			🖉 Change	⊖ Drop	More
5	end_time	datetime			Yes	NULL			🖉 Change	⊖ Drop	More
6	score	int(11)			Yes	NULL			🖉 Change	⊖ Drop	More
7	status	enum('Scheduled', 'In Progress', 'Completed', 'Can...	utf8mb4_general_ci		Yes	Scheduled			🖉 Change	⊖ Drop	More
8	completed_at	datetime			Yes	NULL			🖉 Change	⊖ Drop	More

DATABASE STRUCTURE

- DB_MAJORS:

Defines available major programs offered by the school. This table links student registrations to their selected academic major.

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change	🚫 Drop	More
☐	2	name	varchar(100)	utf8mb4_general_ci		No	None			🖉 Change	🚫 Drop	More

DATABASE STRUCTURE

- ## DB_MESSAGES:

Stores messages exchanged between students and admins. Each message includes sender, receiver, subject, content, and status (read/unread).

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	id 🔑	int(11)			No	None		AUTO_INCREMENT	✏ Change	⊖ Drop	More
☐	2	registration_id 🔑	int(11)			No	None			✏ Change	⊖ Drop	More
☐	3	sender	enum('Student', 'Admin')	utf8mb4_general_ci		No	None			✏ Change	⊖ Drop	More
☐	4	message	text	utf8mb4_general_ci		No	None			✏ Change	⊖ Drop	More
☐	5	sent_at	datetime			Yes	current_timestamp()			✏ Change	⊖ Drop	More
☐	6	subject	varchar(255)	utf8mb4_general_ci		No	No Subject			✏ Change	⊖ Drop	More
☐	7	status	enum('unread', 'read', 'replied')	utf8mb4_general_ci		No	unread			✏ Change	⊖ Drop	More
☐	8	is_read	tinyint(1)			Yes	0			✏ Change	⊖ Drop	More

DATABASE STRUCTURE

- DB_QUESTIONS:

Contains exam questions, including the question text, multiple-choice options, the correct answer, and associated major. This table is essential for generating online exams.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	id 🔑	int(11)			No	None		AUTO_INCREMENT	🖉 Change	⊖ Drop	More
2	major_id 🔑	int(11)			No	None			🖉 Change	⊖ Drop	More
3	question_text	text	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	More
4	option_a	varchar(255)	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	More
5	option_b	varchar(255)	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	More
6	option_c	varchar(255)	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	More
7	option_d	varchar(255)	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	More
8	correct_answer	enum('A', 'B', 'C', 'D')	utf8mb4_general_ci		No	None			🖉 Change	⊖ Drop	More
9	created_at	datetime			Yes	current_timestamp()			🖉 Change	⊖ Drop	More

DATABASE STRUCTURE

- ## DB_REGISTRATIONS:

Records all student registration data, linking personal details, selected majors, and uploaded documents to individual user accounts.

DATABASE STRUCTURE

- ## DB_STATUS_HISTORY:

Tracks the status changes throughout a student's admission process. Each record includes the status, timestamp, and admin notes, allowing transparency and a complete status timeline.

	#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan		
☐	1	id 🔑	int(11)			Tidak	Tidak ada		AUTO_INCREMENT	🖉 Ubah	⊖ Hapus	Lainnya
☐	2	registration_id 🔑	int(11)			Tidak	Tidak ada			🖉 Ubah	⊖ Hapus	Lainnya
☐	3	status	enum('Menunggu Verifikasi', 'Terverifikasi', 'Dite...	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊖ Hapus	Lainnya
☐	4	changed_at	datetime			Ya	current_timestamp()			🖉 Ubah	⊖ Hapus	Lainnya
☐	5	changed_by	varchar(100)	utf8mb4_general_ci		Ya	NULL			🖉 Ubah	⊖ Hapus	Lainnya
☐	6	notes	text	utf8mb4_general_ci		Ya	NULL			🖉 Ubah	⊖ Hapus	Lainnya

DATABASE STRUCTURE

- ## DB_USERS:

Stores all registered user accounts, including login credentials and basic identity data. It distinguishes between student and admin roles for access control.

	#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan		
☐	1	user_id 🔑	int(11)			Tidak	*Tidak ada*		AUTO_INCREMENT	🖉 Ubah	⊖ Hapus	Lainnya
☐	2	email 🔑	varchar(255)	utf8mb4_general_ci		Tidak	*Tidak ada*			🖉 Ubah	⊖ Hapus	Lainnya
☐	3	password_hash	varchar(255)	utf8mb4_general_ci		Tidak	*Tidak ada*			🖉 Ubah	⊖ Hapus	Lainnya
☐	4	created_at	datetime			Ya	current_timestamp()			🖉 Ubah	⊖ Hapus	Lainnya

THANK YOU

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