

DATABASE SCHEMA PREREQUISITE.

Student Counselling System



SUBSYSTEM

Admin Subsystem:

- Actor: System Administrator.

Counselling Subsystem:

- Actor: Student counselling (staff).

Student Subsystem:

- Actor: Student/s

Relations/Tables That Came to Mind.

Admin Subsystem: _____

- Admin Table: System administrator (Account Table).
 - admin_id: Primary key.
 - username: Admin's username
 - password: Admin's password.
 - email: Admin's email address.
- Audit log Table: Record of all action performed by system administrator.
 - log_id: Primary key.
 - admin_id: Foreign key from Admin Users Table.
 - action: Description of the action.
 - timestamp: Time when the action was performed.
- Permission Table: List of permission available within the system.
 - permission_id: Primary key.
 - permission_name: Description of the permission.
- Event Table: Record of all events appended to system by admin.
 - event_id: Primary key
 - event_name: Name of event.
 - description/details: Description of the event.
 - date: Time when the event is hosted.
 - post_date: Date posted\ on.

➤ Core Service Table: List of core services offered by department.

- service_id: Primary key.
- service_name: Name of service.
- description/details: Description of the core service.
- post_date: Date posted on.

➤ Alert Table: For important messages that are no events but important.

- alert_id: Primary key.
- alert_name: Name of alert.
- description/details: Description of the alert.
- date: Time when the event is hosted.
- post_date: Date posted on.

➤ Profile Management Table: For student – counsellor profile modification. Admin can add/create, remove/delete.

- user_id: Primary key.
- user_name: Name of event.
- date: Time when the event is hosted.
- update_date: Date of update.

➤ Emergency Resource Table: Record all emergency resources available within the system.

- e.g. ambulance, or police number etc.
 - emergency_resource_id: Primary key.
 - emergency_resource_name: Name of emergency resource.
 - description/details: Description of the event.
 - date: Time when the emergency resource library was updated.
 - emergency_resource_number: Number of new emergency resources.

Counsellor Subsystem:

- Counsellor Table: Student counsellors (Account table).
 - counsellor_id: Primary key.
 - name: Counsellor's full name.
 - specialization: Area of expertise.
 - contact_info: Contact details.
- Session Note Table: For recording meeting or consultation minutes.
 - session_id: Primary key.
 - appointment_id: Foreign key from Appointments Table.
 - notes: Detailed notes from the session.
 - student_id: Foreign key.
- Mood Tracker Monitor: **Students weekly mood records.**
 - student_id: Foreign key.
 - mood_indicator_id: Primary key.
 - mood: Detailed of mood.

Student Subsystem:

- Student Table: Registered students (Account table).
 - student_id: Primary key
 - first_name: Student's first name
 - last_name: Student's last name
 - email: Student's email address

- date_of_birth: Student's date of birth
- Address Table: Student residence address.
 - Home address can also be optional.
 - address_id: Primary key.
 - student_id: Foreign key.
 - country: Country/Nation.
 - province: Province/State.
 - city: City/township.
 - street: street address.
 - zipcode: city zip code.
- Course Table: Student academic courses.
 - course_code: Primary key.
 - course_name: Name of the course.
 - credits: Number of credits for the course.
 - department: Department offering the course.
 - student_id: Foreign key.
- Enrolment Table: Tracks courses students are enrolled in.
 - enrollment_id: Primary key.
 - student_id: Foreign key from Students Table.
 - course_code: Foreign key from Courses Table.
 - enrollment_date: Date of enrolment.
- Service/Stressor Table: Tracker issues a student came to address with the counsellor.
 - service_id: Primary key.
 - student_id: Foreign key.
 - service_name: name of service.
 - reason: Reason for admission.
 - date_of_admission: Date of when student requested consultation.

➤ Comment Table: For collecting student comments.

- connect_id: Primary key.
- student_id: Foreign key.
- comment_date: Date for when comment was created.
- comment_content/description: Content of comment.

Shared Tables: _____

➤ Booking/Appointments Table: Relation containing all the appointments.

- booking_id: Primary key.
- student_id: Foreign key 1.
- counsellor_id: Foreign key 2.
- appointment_date: date of appointment.

➤ Ratings Table: The table for storing user-2-counsellor ratings.

- All actors are roll players.
- Admin and counsellor can view ratings and make decisions based on this data.
- Student is main actor.

- rating_id: Primary key.
- student_id: Foreign key 1.
- counsellor_id: Foreign key 2.
- rating: Rating for counsellor.
- Rating_date: date of rating.

➤ Session Type table: Record the type of appointment booked.

- Both the student and counsellor are the actors on these table.
- The student can book appointments, and the counsellors can view appointments.

- session_type_id: Primary key.
- student_id: Foreign key 1.
- counsellor_id: Foreign key 2.
- type_name: Name of the session type.
- description: Description of what the session entails.

➤ Feedback: Feedback on experience on therapeutic experience.

- This table is going to be accessible to both admin and counsellor.
- The main actor is student.

- feedback_id: Primary key.
- student_id: Foreign key.
- feedback_date: Date for when comment was created.
- feedback_header/topic: Content of comment.
- feedback_content/description: Content of comment.