



Online Hiking & Trekking Bookings

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# Introduction

The Baklay Cebu Online Hiking & Trekking Booking System is a dedicated computer program engineered to centralize and automate the entire process of managing outdoor adventures across Cebu. Utilizing a robust, multi-user platform, the system connects Customers seeking to explore Cebu's trails with certified Trail Guides and efficient Administrators, enabling users to easily view, book, and track reservations while providing the agency with comprehensive tools for managing trek schedules, fleet availability, and seamless user interaction.

# STAKEHOLDERS/ ACTORS

customer

admin/manager

trail guides

# ERD (Entity Relationship Diagram)

**table\_USERS**

🔑 u_id	int(20)
u_name	text(100)
u_email	text(100)
u_contact	int(20)
u_type	text(20)
u_pass	text(20)
u_status	text(20)

**table\_BOOKINGS**

🔑 b_id	int
u_id	int(fk)
s_id	int(fk)
b_guests	int(50)
b_total_price	int(50)
b_date	int(50)
b_status	int(50)

**table\_SCHEDULES**

🔑 g_id	int
b_id	int(fk)
guests_name	text(100)

**table\_TREKS**

🔑 t_id	int(20)
t_code	text(50)
t_desc	text(100)
t_difficulty	text(50)
t_price	int(20)

**table\_SCHEDULES**

🔑 s_id	int
t_id	int(fk)
schedule_date	text(50)
capacity	int(50)
guide_id	int(50)

# Data Dictionary

Users					
Key	Field Name	Data Type	Field Length	Constraint	Description
pk	u_id	INT	50	primary key	User id , auto increment
	u_name	TEXT	50	NOT NULL	User name
	u_email	TEXT	20	NOT NULL	User unique email
	u_contact	INT	20	NOT NULL	User contact No.
	u_type	INT	20	NOT NULL	User Type
	u_pass	TEXT	20	NOT NULL	User unique password
	u_status	TEXT	20	NOT NULL	User status
					(Approved/Pending)

Guests					
Key	Field Name	Data Type	Field Length	Constraint	Description
pk	g_id	INT	50	primary key	Guide id, autoincrement
fk	b_id	INT	20	foreign key	Booking Id , configure to table bookings
	guests_name	TEXT	100	NOT NULL	Guest Name List

## Treks

Key	Field Name	Data Type	Field Length	Constraint	Description
pk	t_id	INT	50	primary key	Trek id, autoincrement
	t_code	TEXT	50	NOT NULL	Trek code
	t_desc	TEXT	100	NOT NULL	Trek description
	t_difficulty	TEXT	50	NOT NULL	Trek difficulty rate
	t_price	INT	50	NOT NULL	Trek price

## Treks Schedules

Key	Field Name	Data Type	Field Length	Constraint	Description
pk	s_id	INT	50	primary key	Schedule id, autoincrement
fk	t_id	INT	50	foreign key	Trek id configure to table trek
	schedule_da	INT	50	NOT NULL	Schedule date
	capacity	INT	50	NOT NULL	capacity of guests
fk	guide_id	INT	50	foreign key	guide id coonfigure to table treks

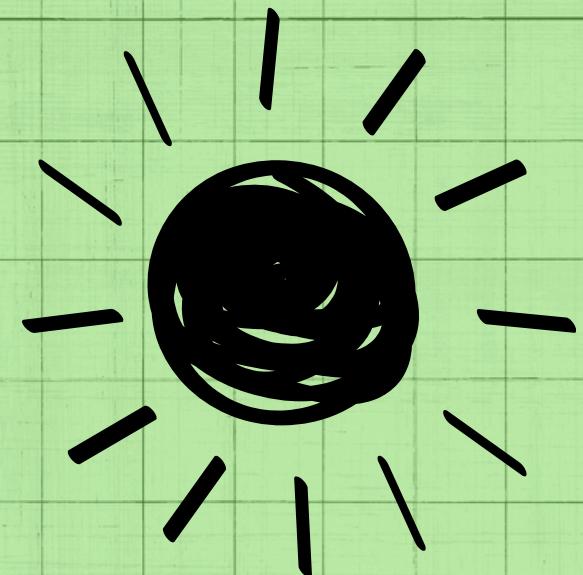
## Bookings

Key	Field Name	Data Type	Field Length	Constraint	Description
pk	b_id	INT	20	primary key	Booking id,autoincrement
fk	u_id	INT	20	foreign key	User id, configure to table user
fk	s_id	INT	20	foreign key	Schedule id, configure to table schedules
	b_guests	INT	50	NOT NULL	No. of guest who books
	b_total_price	INT	50	NOT NULL	Total price
	b_date	INT	50	NOT NULL	Schedule date
	b_status	TEXT	50	NOT NULL	Booking status

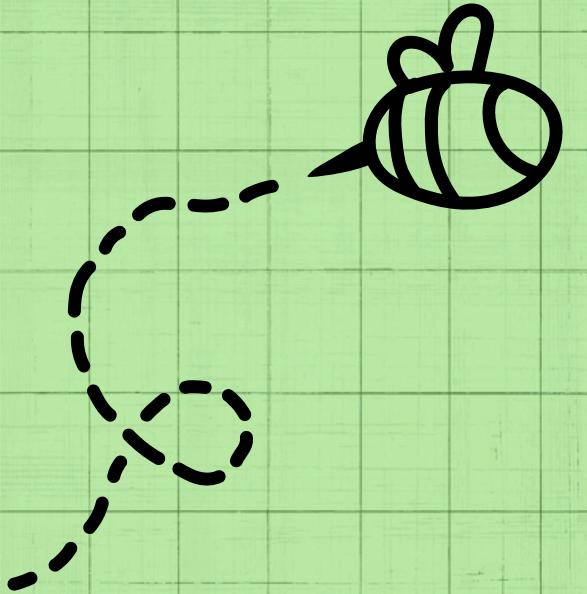
# System Evaluation / Reflection

The Baklay Cebu Online Hiking & Trekking Booking System is a dedicated computer program engineered to centralize and automate the entire process of managing outdoor adventures across Cebu. Utilizing a robust, multi-user platform, the system connects Customers seeking to explore Cebu's trails with certified Trail Guides and efficient Administrators, enabling users to easily view, book, and track reservations while providing the agency with comprehensive tools for managing trek schedules, fleet availability, and seamless user interaction.

However, the system faces core challenges related to poor internet connectivity in remote areas and the digital divide, potentially excluding users who are not tech-savvy. The key learning is that the system needs a hybrid approach—it must be simple to use and closely integrated with local, on-site personnel and logistics. Future improvements should focus on resilience (creating an easy "offline" mode for guides) and inclusivity (simplifying the user interface and offering diverse local payment options) to ensure its effectiveness across all users and locations.



Thank You



# by mildred