

adminaccountstbl	
PK	<u>adminaccounts_id (INT, NOT NULL)</u>
	username (VARCHAR)
	password (VARCHAR)
	accessrole (VARCHAR)

Authorized user who imports temp accounts of users

tempaccountstbl	
PK	<u>tempacc_ID (INT, NOT NULL)</u>
	fullname (VARCHAR)
	email (VARCHAR)
	password (VARCHAR)
	barangay (VARCHAR)
	city_municipality (VARCHAR)
	accessrole (VARCHAR)

Each user has their own temporary account based on their respective barangay/municipal address

userstbl	
PK	<u>UserID (INT, NOT NULL)</u>
FK	tempacc_ID (INT)
FK	email (VARCHAR)
FK	password (VARCHAR)
	accessrole (VARCHAR)
FK	fullname (VARCHAR)
	contact_no (VARCHAR)
	organization (VARCHAR)
FK	barangay (VARCHAR)
FK	city_municipality (VARCHAR)

Each user has their own rank placement, eco points, and badges

Gamification & Eco-Leaderboard	
FK	<u>UserID (INT)</u>
	EcoPoints (INT)
	Rank (VARCHAR)
	Badges (TEXT)
	Programs_participated (INT)
FK	ProgramID (INT)

One user can submit as many reports as they can

reports	
PK	<u>ReportID (INT)</u>
FK	UserID (INT)
	ReportType (ENUM: 'Illegal Logging', 'Tree Growth', 'Other')
	Description (TEXT)
	ReportDate (DATETIME)
	Status (ENUM: 'Pending', 'Reviewed', 'Resolved')
FK	AreaID (INT)

Reports can either be about tree progress report or illegal activity report

illegal_activity_reports	
PK	<u>IAReportID (INT, NOT NULL)</u>
FK	ReportID (INT)
	Description (TEXT)
	ReportDate (DATETIME)
	Status (ENUM: 'Pending', 'Reviewed', 'Resolved')

Every area can receive multiple progress growth reports

mangroveArea	
PK	<u>AreaID (INT)</u>
	Barangay (VARCHAR)
	City_Municipality (VARCHAR)
	QR_code (VARCHAR, Unique)
	ReportsSubmitted (INT)

One mangrove area covers multiple mangroves

mangrove	
PK	<u>mangrove_id (INT)</u>
	Location (POINT)
FK	AreaID (VARCHAR)
	PlantedDate (DATE)
	QR_code (VARCHAR, Unique)
	status (ENUM: 'Healthy', 'Threatened', 'Damaged')

Each mangrove can have multiple progress growth reports

treeGrowth	
PK	<u>TreeGrowthID (INT)</u>
	growthDescription (TEXT)
	reportDate (DATE)
	QR_code (VARCHAR, Unique)
	status (ENUM: 'Healthy', 'Threatened', 'Damaged')
FK	MangroveID (INT)
FK	ReportID(INT)

Different users can join multiple programs

Conservation Programs	
PK	<u>ProgramID (INT)</u>
	Name (VARCHAR)
	Description (TEXT)
	StartDate (DATE)
	EndDate (DATE)
FK	ManagedBy (INT, Foreign Key to Users)

One program will be included in the user's profile once they completed their participation