GROUP 2 - BEST CODERS
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LOST AND FOUND SYSTEM
DATABASE SCHEMA

Table for User

Entity	Create	Update	Retrieve	Delete/Claim	Model	Controller
User	addUser	updateUser	getAllUsers / getUserById	removeUser	userModel	userController
	/api/users	/api/users/:id	/api/users	/api/users/removed/:id		
	POST	**PUT**	**GET**	**DELETE**		
	user_id (INT) username (VARCHAR) passwor					

	d (VARCHAR) name (VARCHAR) role (ENUM: Ad				

Table for Locations

Entity	Create	Update	Retrieve	Delete/Claim	Model	Controller
Locations	addLocation	updateLocation	getAllLocations/getLocationById	location_id, location_name	locationModel	locationController
	/api/locations	/api/locations/:id	/api/locations	/api/locations/removed/:id		

	POST	PUT	GET	DELETE		
	location_id *(INT)* location_name *(VARCHAR)* building *(VARCHAR)* room_number *(VARCHAR)*					

Table for Item

Entity	Create	Update	Retrieve	Delete/claim	Model	Controller
Items	addItem	updateItem	getAllItems / getItemById	markAsClaimed	itemModel	itemController
	/api/items	/api/items/:id	/api/items	/api/items/claimed/:id		

	POST	PUT	GET	PUT		
	item_id (INT), item_name (VARCHAR), description(TEXT) date_found (DATE), status (ENUM: Found, Claimed), location_id (FK → Locations), added_by (FK → Users)					

Table for Claimants

Entity	Create	Update	Retrieve	Delete/Remove	Model	Controller
Claimants	addClaimant	updateClaimant	getallClaimants	removeClaimant	claimantModel	claimantController
	/api/claimants	/api/claimants/:id	/api/claimants	/api.claimants/removed/:id		
	POST	**PUT**	**GET**	**DELETE**		
	claimant_id (INT), claimant_name (VARCHAR), contact_number					

	(VARCH AR), email (VARCH AR)					

Table for Claims

Entity	Create	Update	Retrieve	Delete/C laim	Model	Controll er
Claims	addClaim	updateCl aim	getAllClai ms/ getClaim ById	verifyClai m	claimMo del	claimCon troller
	/api/claim s	/api/claim s/:id	/api/claim s	/api/claim s/verify/:i d		
	POST	**PUT**	**GET**	**PUT**		

	claim_id (INT), item_id (FK → Items), claimant_id (FK → Claimants), date_claimed (DATE), verified_by (FK → Users)					

FLOWCHART OF LOST AND FOUND SYSTEM