

Recorever

User API

API endpoint		register-user	
method		post	
Request Params		Type	Description
name		string	Name of the user
email		string	User’s email address
password		string	User’s account password
Creates a new user account in the system.			
Success			
Status Code		201	
Response Type		JSON	
Response Data		Type	Description
user_id		int	Unique ID of the created report
name		string	Name of the user
email		string	User email address
Sample Response			
{ "user_id": 1, "name": "John Cruz", "email": "john@example.com", "created_at": "2025-10-10T14:00:00Z" }			
Fail			
Status Code		400	
Response Type		text	
Response Data		Type	Description
error_message		string	Description of the problem.
Sample Response			
Email already exists.			

API endpoint		login-user	
method		post	
Request Params		Type	Description
email		string	User email address
password		string	Account password
Authenticates a user and returns an access token.			
Success			
Status Code		200	
Response Type		JSON	
Response Data		Type	Description
access_token		string	Bearer token
user_id		int	Logged in user ID
user_name		string	Display name of user
Sample Response			
{ "access_token": "abc123xyz456", "token_type": "Bearer", "expires_in": 3600, "user_id": 1, "user_name": "John Cruz" }			
Fail			
Status Code		401	
Response Type		text	
Response Data		Type	Description
error_message		string	Unauthorized access error.
Sample Response			
Invalid email or password.			

API endpoint		get-user-data	
method		get	
Request Params		Type	Description
id		int	User ID
Retrieves the profile information of a user.			
Success			
Status Code		200	
Response Type		JSON	
Response Data		Type	Description
user id		int	User ID
name		string	Full name
email		string	Email address
phone number		string	User contact number
profile picture		string	URL to profile picture
Sample Response			
{ "user_id": 1, "name": "John Cruz", "email": "john@example.com", "phone_number": "+639171234567", "profile_picture": "https://example.com/profiles/john.jpg" }			
Fail			
Status Code		404	
Response Type		text	
Response Data		Type	Description
error message		string	Unauthorized access error.
Sample Response			
User not found.			

API endpoint		update-user-data	
method		put	
Request Params		Type	Description
name		string	Updated name
phone_number		string	Updated contact number
profile_picture		string	Updated profile image URL
Updates existing user details.			
Success			
Status Code		200	
Response Type		JSON	
Response Data		Type	Description
success		bool	Operation result
message		string	Update confirmation
Sample Response			
<pre>{ "success": true, "message": "Profile updated successfully." }</pre>			
Fail			
Status Code		400	
Response Type		text	
Response Data		Type	Description
error_message		string	Validation or server error
Sample Response			
Invalid phone number format.			

API endpoint	delete-user	
method	delete	
Request Params	Type	Description
id	int	User ID
Soft-deletes the user account by setting delete_at.		
Success		
Status Code	200	
Response Type	JSON	
Response Data	Type	Description
success	bool	Operation result
message	string	Confirmation result
Sample Response		
{ "success": true, "message": "User account deactivated." }		
Fail		
Status Code	404	
Response Type	text	
Response Data	Type	Description
error message	string	Error message details
Sample Response		
User not found.		

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Match API

API endpoint		item-match	
method		post	
Request Params		Type	Description
lost_report_id		int	ID of the lost item report
found_report_id		int	ID of the found item report
Creates a new record that links a lost item report to a found item report for review or confirmation.			
Success			
Status Code		201	
Response Type		JSON	
Response Data		Type	Description
match_id		int	ID of the newly created match
lost_report_id		int	Linked lost report
found_report_id		int	Linked found report
status		string	Default status (e.g., "pending")
created_at		string	Timestamp of creation
Sample Response			
<pre>{ "match_id": 1, "lost_report_id": 5, "found_report_id": 8, "status": "pending", "created_at": "2025-10-10T14:32:00Z" }</pre>			
Fail			
Status Code		400	
Response Type		text	
Response Data		Type	Description
error_message		string	Error message description
Sample Response			
Invalid lost or found report ID.			

API endpoint		get-matches	
method		get	
Request Params		Type	Description
status		string	Filter by match status (e.g., pending, confirmed)
date		string	Filter matches created on specific date
Creates a new record that links a lost item report to a found item report for review or confirmation.			
Success			
Status Code		200	
Response Type		JSON	
Response Data		Type	Description
match_id		int	Unique match identifier
lost_report_id		int	Linked lost report
found_report_id		int	Linked found report
status		string	Match status
created_at		string	Date and time created
Sample Response			
<pre>[{ "match_id": 1, "lost_report_id": 5, "found_report_id": 8, "status": "pending", "created_at": "2025-10-10T14:32:00Z" }, { "match_id": 2, "lost_report_id": 6, "found_report_id": 9, "status": "confirmed", "created_at": "2025-10-09T18:10:00Z" }]</pre>			
Fail			
Status Code		404	
Response Type		text	
Response Data		Type	Description
error_message		string	No results found
Sample Response			
No matches found.			

API endpoint		update-match	
method		put	
Request Params		Type	Description
id		int	Match ID to be updated
status		string	New status (e.g., confirmed, rejected)
Creates a new record that links a lost item report to a found item report for review or confirmation.			
Success			
Status Code		200	
Response Type		JSON	
Response Data		Type	Description
match_id		int	ID of the updated match
status		string	Updated status
message		string	Confirmation message
Sample Response			
{ "match_id": 1, "status": "confirmed", "message": "Match status updated successfully." }			
Fail			
Status Code		404 or 400	
Response Type		text	
Response Data		Type	Description
error_message		string	Description of the failure
Sample Response			
No matches found.			

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Report API

API endpoint		create-report	
method		post	
Request Params		Type	Description
user_id		int	ID of the user creating the report
type		string	Type of report – “lost” or “found”
item_name		string	Name of the item being reported
location		string	Location where the item was lost or found
description		string	Additional details about the item
date_reported		date	Date the report was made
status		string	Initial status (pending, approve, etc)
Create a new lost or found report			
Success			
Status Code		201	
Response Type		JSON	
Response Data		Type	Description
report_id		int	Unique ID of the created report
type		string	Reported item name
item_name		string	Reporte item name
status		string	Current report status (pending by default)
Sample Response			
{ "report_id": 1, "type": "found", "item_name": "Wallet", "status": "pending" }			
Fail			
Status Code		400	
Response Type		text	
Response Data		Type	Description
error_message		string	Error message when report creation fails.
Sample Response			
Failed to create report. Missing required fields.			

API endpoint	get-reports	
method	get	
Request Params	Type	Description
type	string	Filter reports by “lost” or “found”
status	string	Filter by report status (e.g. “pending”, “approved”)
location	string	Filter by location keyword
date_reported	date	Filer reports by date
Retrieve all lost or found reports. Can be filtered by type, status, date, or location.		
Success		
Status Code	200	
Response Type	JSON	
Response Data	Type	Description
reports	array	List of reports objects containing summarized data
Sample Response		
<pre>[{ "report_id": 2, "type": "lost", "item_name": "Umbrella", "location": "Library", "status": "pending" }, { "report_id": 3, "type": "found", "item_name": "Watch", "location": "Gym", "status": "approved" }]</pre>		
Fail		
Status Code	404	
Response Type	text	
Response Data	Type	Description
error message	string	Returned when no reposts match the filters.
Sample Response		
No reports found.		

API endpoint	get-report	
method	get	
Request Params	Type	Description
id	int	The ID of the report to retrieve

API endpoint	update-report	
method	put	
Request Params	Type	Description
id	int	ID of the report to update
status	string	New report status (e.g., “approved”, “rejected”)

date_resolved	date	When the item was resolved
description	string	Updated description or admin note
Update report details or status (for admin or authorized users).		
Success		
Status Code	200	
Response Type	JSON	
Response Data	Type	Description
success	boolean	Indicates if the update succeeded
message	string	Confirmation message
Sample Response		
<pre>{ "Success": true, "message": "Report updated successfully." }</pre>		
Fail		
Status Code	400	
Response Type	text	
Response Data	Type	Description
error_message	string	Reason for failed update
Sample Response		
Failure to update report. Invalid ID.		

API endpoint	delete-report	
method	delete	
Request Params	Type	Description
id	int	The ID of the report to delete
Delete or cancel a report by its ID.		
Success		
Status Code	200	
Response Type	JSON	
Response Data	Type	Description
success	boolean	Indicates if the update succeeded
message	string	Confirmation message
Sample Response		
<pre>{ "Success": true, "message": "Report deleted successfully." }</pre>		
Fail		
Status Code	404	

Response Type	text	
Response Data	Type	Description
error_message	string	Error message when report not found
Sample Response		
Failed to delete report. Report not found.		

API endpoint	upload -report-image	
method	post	
Request Params	Type	Description
id	int	ID of the report to attach image(s)
image	file	Image file(s) representing the reported item
Upload one or more image files for a specific report		
Success		
Status Code	200	
Response Type	JSON	
Response Data	Type	Description
success	boolean	Indecates if the update succeeded
file_url	string	URL path of the uploaded image
Sample Response		
<pre>{ "Success": true, "file_url": "https://recorever.com/uploads/report_4_1.jpg" }</pre>		
Fail		
Status Code	400	
Response Type	text	
Response Data	Type	Description
error_message	string	Error message for invalid file or upload failure
Sample Response		
Image upload failed. Invalid file type.		

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Authorization

API endpoint	generate-token	
method	post	
Request Params	Type	Description

email	string	Registered email of the user
password	string	Password associated with the account
Authenticates a user and generates an access token.		
Success		
Status Code	200	
Response Type	JSON	
Response Data	Type	Description
access_token	string	Token string used for authenticated requests
token_type	string	Indicates the token type
expires_in	int	Duration in seconds before token expiration
user_id	int	Unique ID of the authenticated user
user_name	string	Name of the authenticated user
Sample Response		
<pre>{ "access_token": "4 S6E7v7k7S56e9h5m6vMsdM8sdfxgGhAS6LKj8h2k", "token_type": "Bearer", "expires_in": 3600, "user_id": 105, "user_name": "John Cruz" }</pre>		
Fail		
Status Code	401	
Response Type	JSON	
Response Data	Type	Description
error_message	string	Returned when login credentials are invalid.
Sample Response		
<pre>{ "error_message": "Invalid email or password." }</pre>		

API endpoint	get-token	
method	get	
Request Params	Type	Description
access_token	string	The bearer token to validate (sent in Authorization header)
Validates the authenticity and validity of an existing access token. When the app loads or refreshes to verify if the user's token is still valid.		
Success		
Status Code	200	
Response Type	JSON	
Response Data	Type	Description
valid	boolean	Indicates if the token is still valid

user_id	int	ID of the user tied to the token
user_name	string	Name of the authenticated user
expires_at	string	Token expiration timestamp
Sample Response		
<pre>{ "valid": true, "user_id": 105, "user_name": "John Cruz", "expires_at": "2025-10-09T15:00:00Z" }</pre>		
Fail		
Status Code	401	
Response Type	JSON	
Response Data	Type	Description
valid	boolean	False if the token is invalid or expired
error_message	string	Returned when login credentials are invalid.
Sample Response		
<pre>{ "valid": false, "error_message": "Invalid email or password." }</pre>		

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NOTIFICATION APIs

API endpoint	create-notification	
method	post	
Request Params	Type	Description
user_id	int	The ID of the user who will receive the notification
report_id	int	The report ID associated with the notification
message	string	The notification message content
This endpoint sends a new notification to a specific user. It creates a new notification record in the database.		
Success		
Status Code	201	
Response Type	text	
Response Data	Type	Description
success	string	A boolean value indicating a successful or unsuccessful operation
Sample Response		

success		
Fail		
Status Code	400	
Response Type	text	
Response Data	Type	Description
error_message	string	Error message when creating notification is unsuccessful.
Sample Response		
Failed to create notification.		

API endpoint	get-notifications	
method	get	
Request Params	Type	Description
user_id	int	The ID of the logged-in user
This endpoint retrieves all notification for the logged-in user		
Success		
Status Code	200	
Response Type	json	
Response Data	Type	Description
notif_id	int	The unique ID of the notification
report_id	int	The report ID associated with the notification
message	string	The notification message content
status	string	The status of the specific notification whether it is “unread” or “read”
created_at	string	The date and time the notification has been created
Sample Response		
<pre>{ "report_id": 1, "message": "Your lost item has been found", "status": "unread", "created_at": "2025-10-09 08:35:00" }</pre>		
Fail		
Status Code	404	
Response Type	text	
Response Data	Type	Description
error_message	string	Error message when retrieving notifications is unsuccessful.
Sample Response		
Failed to retrieve notifications. No notifications found for this user.		

API endpoint	get-unread-notifications	
method	get	
Request Params	Type	Description
user_id	int	The ID of the logged-in user
This endpoint retrieves only the unread notification for the logged-in user		
Success		
Status Code	200	
Response Type	json	
Response Data	Type	Description
notif_id	int	The unique ID of the notification
report_id	int	The report ID associated with the notification
message	string	The notification message content
created_at	string	The date and time the notification has been created
Sample Response		
<pre>{ "report_id": 1, "message": "Your lost item has been found", "created_at": "2025-10-09 08:35:00" }</pre>		
Fail		
Status Code	404	
Response Type	text	
Response Data	Type	Description
error_message	string	Error message when retrieving unread notifications is unsuccessful.
Sample Response		
Failed to retrieve unread notifications. No unread notification found.		

API endpoint	update-notification-read-status	
method	put	
Request Params	Type	Description
notif_id	int	The ID of the notification to mark as read
This endpoint marks a specific notification as “read.”		
Success		
Status Code	404	
Response Type	text	
Response Data	Type	Description

success	string	A boolean value indicating a successful or unsuccessful operation
Sample Response		
Notification marked as read successfully.		
Fail		
Status Code	401	
Response Type	text	
Response Data	Type	Description
error_message	string	Error message when updating notification is unsuccessful.
Sample Response		
Failed to update the read status of the notification. Notification not found or already marked as read.		

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ADMIN APIs

API endpoint	admin/report/{id}/status	
method	put	
Request Params	Type	Description
id	int	The unique ID of the found report to update
This endpoint allows an administrator to update the status (e.g., approved, rejected) of a specific report.		
Success		
Status Code	200	
Response Type	json	
Response Data	Type	Description
success	boolean	Indicates if the update was successful.
message	string	Confirmation message with the new status.
Sample Response		
<pre>{ "success": true, "message": "Report status updated to approved" }</pre>		
Fail		
Status Code	400	
Response Type	text	
Response Data	Type	Description
error_message	string	Error message when updating the status of report is unsuccessful.
Sample Response		
Report not found or status update failed.		

API endpoint		admin/dashboard-stats	
method		get	
Request Params		Type	Description
days	int	Number of days to look back (default is 15).	
This endpoint rejects a user's claim request after validation			
Success			
Status Code		200	
Response Type		json	
Response Data		Type	Description
stats		object	A container for summary metrics.
- lostFoundRatio		string	The ratio of lost items vs found items (e.g., "10/5").
- pendingAction		int	Total number of reports with "pending" status.
- successfullyClaimed		int	Total number of reports with "claimed" status.
- totalReports		int	Total active reports in the system.
reportsOverTime		array	A list of daily report counts for chart plotting.
- date		string	The date in "MM-dd" format.
- count		int	The number of reports created on that date.
Sample Response			
<pre>{ "stats": { "lostFoundRatio": "20/19", "pendingAction": 2, "successfullyClaimed": 10, "totalReports": 39 }, "reportsOverTime": [{ "date": "10-01", "count": 5 }, { "date": "10-02", "count": 8 }] }</pre>			

Claim

API endpoint		claims	
method		POST	
Request Params		Type	Description
report_id		int	The ID of the found item report being claimed
claimant_name		int	The ID of the user creating the claim (required for authorization)
contact_email		string	The name of the item being claimed.
contact_phone		string	A detailed description of the item to prove ownership (e.g., contents, distinguishing marks)
admin_remarks			
matching_lost_report_id			
Submits a new claim request manually, often used by admins to link a found item to a claimant or a matching lost report.			
Success			
Status Code		201	
Response Type		JSON	
Response Data		Type	Description
claim_id		int	ID of the created claim
report_id		int	ID of the report being claimed.
claimant_name		string	Name of the person claiming the item.
contact_email		string	Email address of the claimant.
contact_phone		string	Phone number of the claimant.
admin_remarks		string	Internal notes or remarks regarding the claim.
created_at		datetime	Date and time when the claim was submitted
matching_lost_report_id		long	ID of the corresponding "lost" report, if a match is found.
Sample Response			
<pre>{ "claim_id": 1, "report_id": "5", "claimant_name": "janedee", "contact_email": "janedee@gmail.com", "contact_phone": "09206290522", "admin_remarks": "correctly describe the item's unique traits", "created_at": "2025-10-09 14:33:00" "matching_lost_report_id": 3 }</pre>			
Fail			
Status Code		404	
Response Type		text	
Response Data		Type	Description

error_message	string	Error message returned when submitting claim is unsuccessful.
Sample Response		
Target report not found.		

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Image

API endpoint		get-images	
method		GET	
Request Params		Type	Description
image_id		int	Unique identifier of the image
report_id		int	ID of the related report
claim_id		int	ID of the related claim
file_path		string	Path or URL of the uploaded image
uploaded_at		datetime	Date and time when the image was uploaded
Retrieve all uploaded images (for reports or claims).			
Success			
Status Code		200	
Response Type		JSON	
Response Data		Type	Description
images		array	List of image objects containing summarized data
Sample Response			
<pre>[{ "image_id": 1, "report_id": 101, "claim_id": null, "file_path": "/uploads/images/report_101_image_1.jpg", "uploaded_at": "2023-10-27T10:30:00Z" }, { "image_id": 2, "report_id": null, "claim_id": 201, "file_path": "/uploads/images/claim_201_photo_a.png", "uploaded_at": "2023-10-27T11:00:00Z" }]</pre>			

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Fail		
Status Code	404	
Response Type	text	
Response Data	Type	Description
error_message	string	Error message when images are not found
Sample Response		
No images found.		

API endpoint	get-image	
method	GET	
Request Params	Type	Description
id	int	Image ID to retrieve
Retrieve details of a single image by ID.		
Success		
Status Code	200	
Response Type	JSON	
Response Data	Type	Description
image_id	int	Unique identifier of the image
report_id	int	ID of the related report
claim_id	int	ID of the related claim
file_path	string	Path or URL of the uploaded image
uploaded_at	datetime	Date and time when the image was uploaded
Sample Response		
<pre>{ "image_id": 1, "report_id": 5, "claim_id": 3, "file_path": "uploads/report_5_image1.jpg", "uploaded_at": "2025-10-10 14:32:00" }</pre>		
Fail		
Status Code	404	
Response Type	text	
Response Data	Type	Description
error_message	string	Error message when image ID does not exist
Sample Response		
Image not found.		

API endpoint		delete-image	
method		DELETE	
Request Params		Type	Description
id		int	Image ID to retrieve
Deletes an image from both storage and the database based on its ID.			
Success			
Status Code		200	
Response Type		JSON	
Response Data		Type	Description
message		string	Confirmation message after deletion
Sample Response			
{ "message": "Image deleted successfully." }			
Fail			
Status Code		400	
Response Type		text	
Response Data		Type	Description
error_message		string	Error message if image deletion fails or image not found
Sample Response			
Failed to delete image. Image not found.			