



# BUZONO PORTAL



BARAMDAT SOLUTIONS

**Project Description:**

Buzono is a company who provide traffic violations & tickets mailing handling services for their clients & companies. They take full control of client's traffic violations from receiving mails to pay fines. They have different subscription plans and each subscription plan will have specific set of services e.g. Sub Plan A client have up to 10 traffic violations service.

Upon client onboarding completion, they will change all their traffic violations mailing address to their own address. And when a client will have traffic violation then that mail will be received by the Buzono, they will scan the mail document & will upload on the portal against respective client. Client will get the email notification, & will be able to view & track their traffic violation documents & fines. Client can pay violations from his side or ask Buzono to pay on his behalf.

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## 1. Users:

There will be following types of users who will be using the portal

### a. User Roles:

- i. Admin: Admin will be able to access all the features
- ii. Staff: Staff(s) will be responsible for adding client's documents.
- iii. Client: Clients will be able to view & track their traffic violations

### b. Features:

- i. User (client) should be able to register
- ii. User should be able to login
- iii. User should be able to forgot & reset password
- iv. User should be able to change password
- v. User should be able to change photo
- vi. Admin should be able to add new user
- vii. Admin should be able to update user
- viii. Admin should be able to delete user
- ix. Admin should be able to view users list

Table	users
Fields	Description
Id	id: Auto generated
First Name *	first_name:
Last Name *	last_name:
Email *	email:
Password	password: Auto generated
Role *	
Photo	photo:
Phone *	phone:
Address *	address:
City *	city:
State *	state:
Zip *	zip:
Country *	country:
Email verified	email_verified: default 0
Status	status: 1

User Type *	user_type: retail or commercial
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Update At	updated_at: Current date time

<b>Table</b>	<b>user_roles</b>
<b>Fields</b>	<b>Description</b>
id	id: Auto generated
Name *	name:
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Updated At	updated_at: Current date time

## 2. User Cards:

### a. Features:

- i. User should be able to add, update, delete & view its credit card details

<b>Table</b>	<b>user_cards</b>
<b>Fields</b>	<b>Description</b>
Id	id: Auto generated
User Id	user_id: users.id
Name *	name:
Number *	number: int
Expiry Month *	expiry_month: int
Expiry Year *	expiry_year: int
Code	code: int
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Updated At	updated_at: Current date time

### 3. Subscriptions:

#### a. Subscription Plans:

- i. Admin should be able to add, update, delete & view the subscription plans
- ii. Client should be able to view & buy subscription plans

Table	subscription_plans
Fields	Description
Id	id: Auto generated
Plan Name *	name: text
Plan Id *	square_id: alphanumeric
Plan Credits *	credits: int
Status	status: default 0
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Updated At	updated_at: Current date time

#### b. User Subscriptions:

Table	user_subscriptions
Fields	Description
Id	id: Auto generated
User Id *	user_id: users.id
Plan Id *	plan_id: subscriptions_plans.square_id
Status	status: default 0
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Updated At	updated_at: Current date time

#### 4. Payments:

##### a. Features:

- i. Admin & client will be able to track the list the subscription payments
- ii. Admin will be able to add the payments history for the violations
- iii. Client will be able to view their payments history

#### 5. Vehicles:

##### a. Features:

- i. Admin & client should be able to add, update, delete & view vehicles

Table	working_areas
Fields	Description
Id	id: Auto generated
User Id	user_id: users.id
Plate Number *	plate_number: alphanumeric
Registration Card Front *	reg_card_front: text
Registration Card Back	reg_card_back: text
Credits	credits: int
Status	status
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Updated At	updated_at: Current date time

## 6. Violations & Types:

### a. Features:

- i. Admin should be able to add, update, delete & view the violation types
- ii. Admin should be able to add, update, delete & view the violations
- iii. Client should be able to view& track their violations

Table	violation_types
Fields	Description
Id	id: Auto Generated
Name *	name:
Status	status: <i>active, deactive</i>
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Updated At	updated_at: Current date time

Table	violations
Fields	Description
Id	Id: Auto Generated
User Id *	user_id
Violation Id *	violation_id: violation_types.id
Files *	files: <i>json</i>
Due Fine *	due_fine: <i>double</i>
Late Fine *	late_fine: <i>double</i>
Due Date *	due_date: <i>date</i>
Notes	notes: <i>optional</i>
Status *	status: new, paid, unpaid
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Updated At	updated_at: Current date time



## 7. Documents:

### a. Features:

- i. Admin will be able to add, update, delete & view the documents
- ii. Client will be able to view & download their documents

Table	documents
Fields	Description
Id	id: Auto Generated
User Id *	user_id: users.id
Name	name:
File name	file_name:
File size	file_size:
File ext	file_ext:
Notes	notes: <i>optional</i>
Created By	created_by: Current User Id
Created At	created_at: Current date time
Updated By	updated_by: Current User Id
Updated At	updated_at: Current date time

## 8. System Permissions:

Permission	Access To
users_management – L1	
user_add	
user_update	
user_delete	
user_view	
vehicles_management – L1	
vehicle_add	
vehicle_update	
vehicle_delete	
vehicle_view	
violations_management – L1	
violation_add	
violation_update	
violation_delete	
violation_view	
Violation_type_add	
Violation_type_update	
violation_type_delete	
violation_type_view	
user_subscriptions_management – L1	
user_subscription_add	
user_subscription_update	
user_subscription_delete	
user_subscription_view	
documents_management – L1	
document_add	
document_update	
document_delete	
document_view	

## 9. Controllers & Routes:

### a. Controllers:

#### i. UserController.php

Feature	Web Route	Api Route	Function
<b>UserController.php</b>			
Login	/login	/login	login()
Forgot Password	/password/forgot	/password/forgot	passwordForgot()
Reset Password	/password/reset	/password/reset	passwordReset()
Logout		/logout	logout()
User Profile	/profile		viewProfile()
Edit Profile	/profile/edit	/profile/edit	
Change Password		/password/update	passwordUpdate() )
Change Photo		/photo/update	photoUpdate()
Change Profile		/profile/update	profileUpdate()
Users List	/users	/users	viewAll()
Add User	/user/add	/user/add	add()
Update User	/user/update	/user/update	update()
View User	/user/id	/user/id	view()
Delete User		/user/delete/id	delete()
Add User Employment	/user/employment/add	/user/employment/add	addEmployment() )
Update User	/user/employment/update/id	/user/employment/update/id	UpdateEmployment()

Employment			
View User Employment History	/user/employment/history/id	/user/employment/history/id	viewEmploymentHistory()
View All Employments	/user/employments	/user/employments	viewEmploymentAll()
Delete Employment		/user/employment/delete/id	deleteEmployment()
Add User Role	/user/role/add	/user/role/add	addRole()
Update User Role	/user/role/update/id	/user/role/update/id	updateRole()
View All Roles	/user/roles	/user/roles	viewRoleAll()
Delete Role	/user/role/delete/id	/user/role/delete/id	deleteRole()
Role Permissions	/user/role/permissions/id		viewPermissions()
Update Role Permissions		/user/role/permissions/update/id	updatePermissions()