

**CENTRAL QUEENSLAND UNIVERSITY, MELBOURNE**  
([www.cqu.edu.au](http://www.cqu.edu.au))



**COIT20273 Software Design and Development Project**  
Traffic-Responsive Billboard Advertisement System  
**User Manual**  
Group 2

# Deployment Process

## Traffic-Responsive Billboard Advertisement System

Here's a full step-by-step guide to download XAMPP, clone the project from GitHub, configure it in XAMPP, and import the MySQL database using phpMyAdmin. This will also guide you through adding the ` `.htaccess` file and configuring the database in the project.

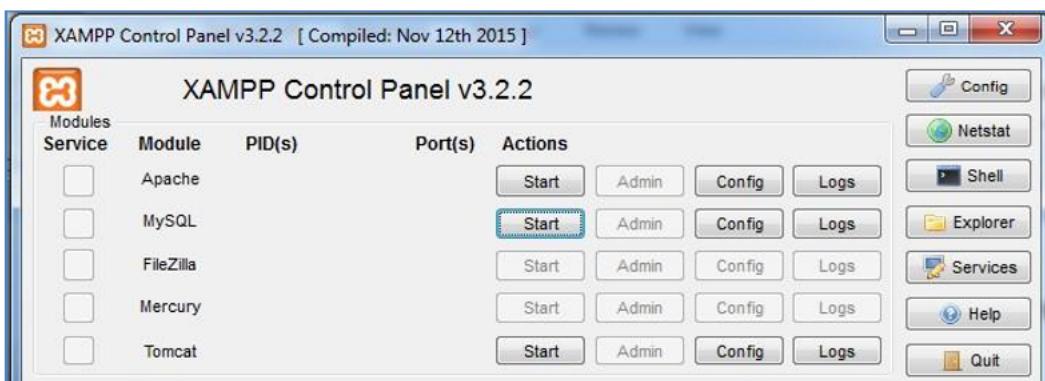
### Step 1: Download and Install XAMPP

#### *Download XAMPP:*

- Visit XAMPP official website. <https://www.apachefriends.org/download.html>
- Download the version that is compatible with your operating system (Windows, macOS, or Linux).

#### *Install XAMPP:*

- Run the downloaded installer.
- Follow the installation instructions. Choose components such as Apache, MySQL, PHP, and phpMyAdmin during installation.
- Once installation is complete, open the **XAMPP Control Panel** and start the **Apache** and **MySQL** services.



### Step 2: Clone the Project Repository from GitHub

#### *Install Git*

- **Windows:**  
Download Git from [Git for Windows](#) and run the installer.
- **macOS:**  
Run brew install git (requires Homebrew) or use git --version to install via Command Line Tools.
- **Linux (Ubuntu/Debian):**  
Run in Terminal:  
`sudo apt update`  
`sudo apt install git`

*Open Git Bash or Command Prompt* (or terminal for macOS/Linux):

- Navigate to the htdocs folder in your XAMPP installation directory:  
cd /path/to/xampp/htdocs/  
(In Windows, it's typically located in C:/xampp/htdocs/.)

*Clone the project Repository:*

- Use the following command to clone the repository:  
git clone https://github.com/akilawijesinghe/TRBAS.git  
This will download the project into the htdocs directory.

*Rename the Folder (Optional):*

- If needed, you can rename the cloned folder for better readability. For example:  
mv TRBAS new\_name

### Step 3: Configure .htaccess for the Project

*Create or Edit the .htaccess File:*

- In the root directory of the project (/path/to/htdocs/ TRBAS /), create a .htaccess file (if it doesn't exist) or modify the existing one.
- Add the following CodeIgniter-friendly rules to remove the index.php from URLs:

```
RewriteEngine On
# Remove index.php from URLs
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule ^(.*)$ index.php/$1 [L]
```

The screenshot shows the SonarLint IDE interface. The left pane, titled 'EXPLORER', displays a file tree for a project named 'AMS'. The tree includes folders like 'application', 'core', 'models', 'assets', and 'system', along with files such as '.htaccess', 'composer.json', 'index.php', and 'LICENSE.md'. The right pane, titled 'Editor', shows the contents of the '.htaccess' file. The code is as follows:

```
RewriteEngine On
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule ^(.*)$ index.php/$1 [L]
```

## Step 4: Set Up the Database in XAMPP (phpMyAdmin)

*Open phpMyAdmin:*

- In your browser, go to <http://localhost/phpmyadmin/>.

*Create a New Database:*

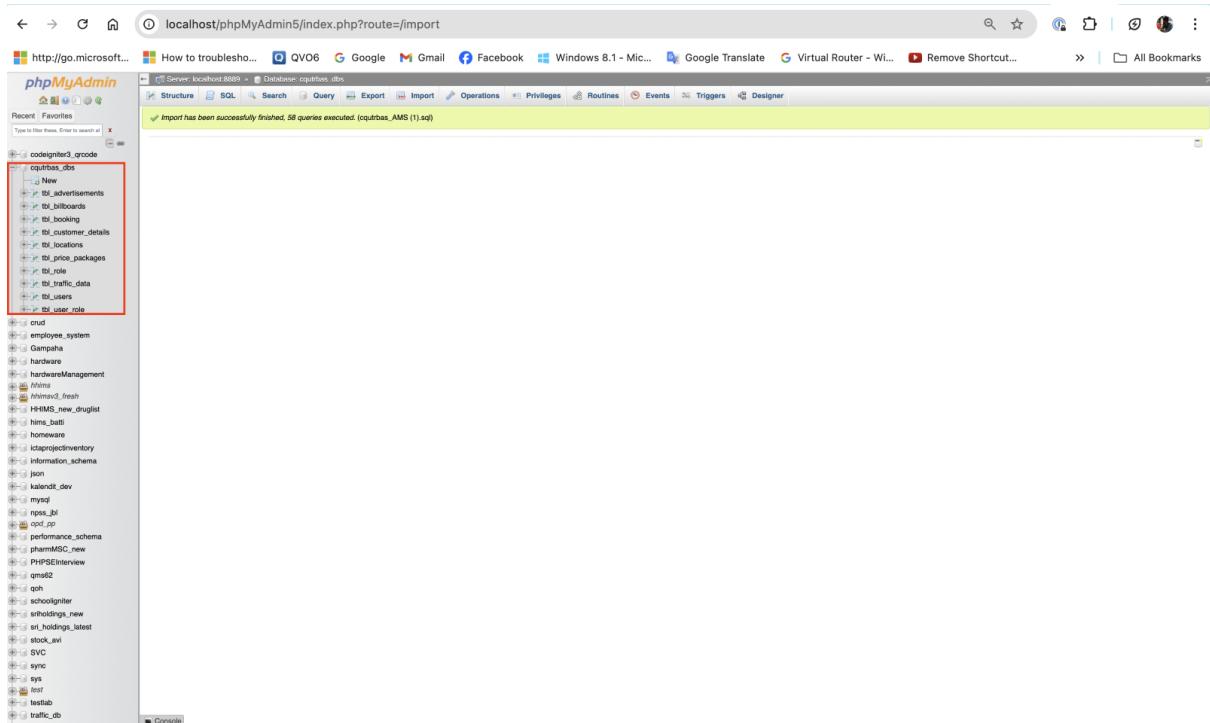
- Click on **Databases** at the top.
- Enter a name for your database (e.g., cqutrbas\_dbs) and click **Create**.

The screenshot shows the 'Databases' section of the phpMyAdmin interface. A new database named 'cqutrbas\_dbs' is being created with 'utf8mb4\_general\_ci' collation. The 'Create' button is highlighted.

### Import the Sample Database:

- Select the newly created database.
- Go to the **Import** tab.
- Choose the .sql file (which contains the sample database) from the project's assets/db folder it's located.
- Click **Go** to import the database.

The screenshot shows the 'Import' tab of the phpMyAdmin interface. A .sql file named 'cqutrbas\_AMS (1).sql' is selected for import. The 'Import' button is highlighted.



## Step 5: Configure the Database in the project

*Open the database.php file:*

- Navigate to application/config/database-sample.php in your CodeIgniter project.

*Configure the Database Settings:*

- Rename the database-sample.php to database.php
- Update the database configuration to match your XAMPP MySQL settings
  - Replace the username with your MySQL username
  - Replace the password with your MySQL password
  - Replace the database name with the created database name in the phpmyadmin

**Note:**

In XAMP, the default MySQL username is root, and the default password is also root. You can use these credentials if you haven't set up a custom username and password.

```

application > config > database.php > ...
66 |
67 | The $active_group variable lets you choose which connection group to
68 | make active. By default there is only one group (the 'default' group).
69 |
70 | The $query_builder variables lets you determine whether or not to load
71 | the query builder class.
72 */
73 $active_group = 'default';
74 $query_builder = TRUE;
75
76 $db['default'] = array(
77     'dsn' => '',
78     'hostname' => 'localhost',
79     'username' => 'root',
80     'password' => 'password',
81     'database' => 'culturbas_dbss',
82     'dbdriver' => 'mysql',
83     'dbprefix' => '',
84     'pconnect' => FALSE,
85     'db_debug' => (ENVIRONMENT !== 'production'),
86     'cache_on' => FALSE,
87     'cachadir' => '',
88     'char_set' => 'utf8',
89     'dbcollat' => 'utf8_general_ci',
90     'swap_pre' => '',
91     'encrypt' => FALSE,
92     'compress' => FALSE,
93     'stricton' => FALSE,
94     'failover' => array(),
95     'save_queries' => TRUE
96 );
97

```

Line 81, Col 33 Tab Size: 4 UTF-8 LF PHP Sonar Int focus: overall code

## Step 6: Configure config.php

*Update the config.php File:*

- Navigate to application/config/config.php.

*Set the Base URL:*

- Find the \$config['base\_url'] line and set it to your project URL:

\$config['base\_url'] = '[https://your\\_domain\\_name/given\\_project\\_name](https://your_domain_name/given_project_name)';

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

/*
| Base Site URL
|
| URL to your CodeIgniter root. Typically this will be your base URL,
| WITH a trailing slash:
|
| http://example.com/
|
| WARNING: You MUST set this value!
|
| If it is not set, then CodeIgniter will try to guess the protocol and
| path to your installation, but due to security concerns the hostname will
| be set to $_SERVER['SERVER_ADDR'] if available, or localhost otherwise.
| The auto-detection mechanism exists only for convenience during
| development and MUST NOT be used in production!
|
| If you need to allow multiple domains, remember that this file is still
| a PHP script and you can easily do that on your own.
|
*/
$config['base_url'] = 'http://localhost/TRBAS/';

/*
| Index File
|
| Typically this will be your index.php file, unless you've renamed it to
| something else. If you are using mod_rewrite to remove the page set this
| variable so that it is blank.
|
*/
$config['index_page'] = '';

/*
| URI PROTOCOL
|

```

## Step 7: Configure Emailer.php

**Note:** We have configured email server for this project and you can use it(already configured in the **Emailer.php**). Follow the steps below if you want to configure your own email server.

*Update the Emailer.php File:*

- Navigate to application/libraries/Emailer.php.

*Set your email server info configs as below:*

```

<?php
class Emailer {
    protected $CI;
    public function __construct()
    {
        $this->CI = &get_instance(); // Get Codeigniter instance
        $this->CI->load->library('email');
        $config['protocol'] = 'smtp';
        $config['smtp_host'] = 'mail.cqutrbas.au';
        $config['smtp_port'] = 587;
        $config['smtp_user'] = 'cqutrbas@cqutrbas.au';
        $config['smtp_pass'] = 'Password';
        $config['smtp_crypto'] = '';
        $config['mailtype'] = 'html';
        $config['charset'] = 'utf-8';
        $config['wordwrap'] = TRUE;
        $config['newline'] = "\r\n";
        $this->CI->email->initialize($config);
    }
    public function send_email($to, $subject, $message)
    {
        $this->CI->email->from('cqutrbas@cqutrbas.au', 'CQUTRBAS');
        $this->CI->email->to($to);
        $this->CI->email->subject($subject);
        $this->CI->email->message($message);
        return $this->CI->email->send();
    }
}

```

Failed to save 'Emailer.php': Insufficient permissions. Select 'Retry as Sudo' to retry as superuser.

Retry as Sudo... Save As... Discard

## Step 9: Configure stripe integration

**Note:** We have created a test stripe account for this project and you can use it for testing, the secret key is already in the configuration file.

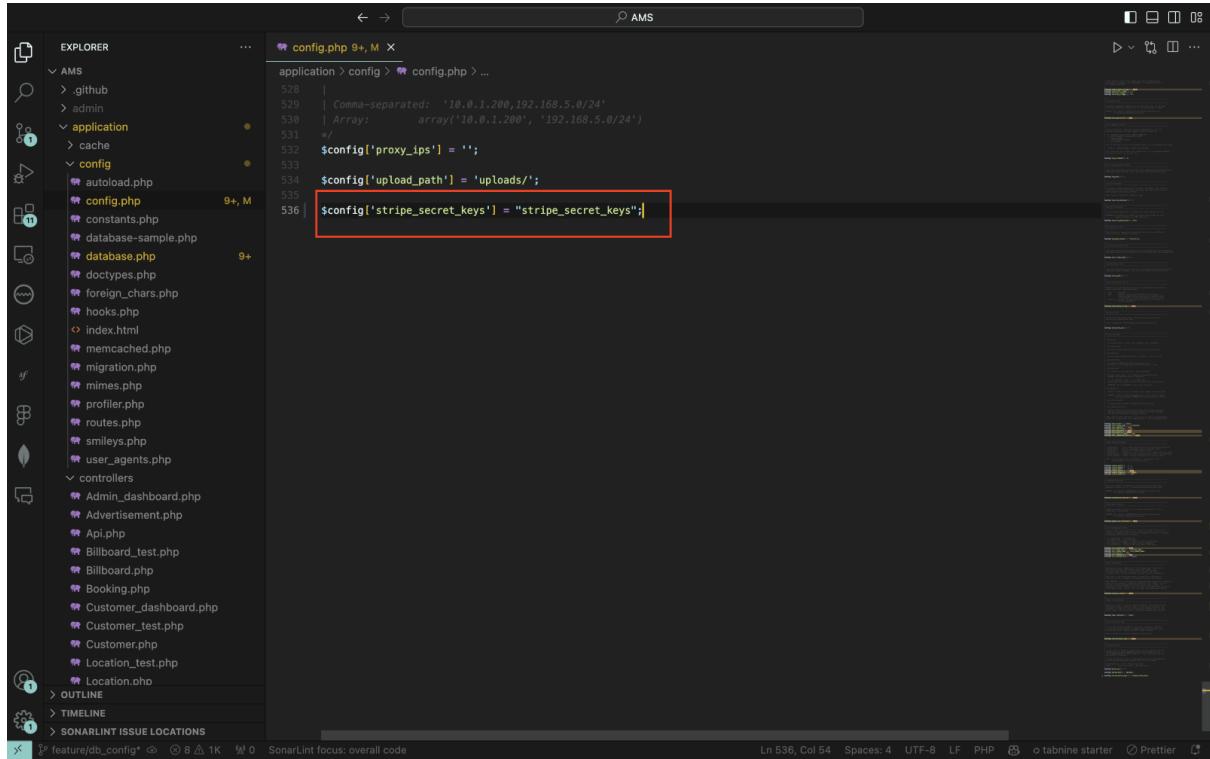
Create a Stripe account using [below link](#). Follow all the steps and get the stripe secret key.

- <https://dashboard.stripe.com/register>
- <https://docs.stripe.com/keys>

Update the config.php File:

- Navigate to application/config/config.php.

*Set your stripe account secret key:*



The screenshot shows a code editor interface with the file 'config.php' open. The code is as follows:

```
application > config > config.php > ...
528 | Comma-separated: '10.0.1.200,192.168.5.0/24'
529 | Array: array('10.0.1.200', '192.168.5.0/24')
530 /**
531 */
532 $config['proxy_ips'] = '';
533 /**
534 */
535 $config['upload_path'] = 'uploads/';
536 $config['stripe_secret_keys'] = "stripe_secret_keys";
```

A red box highlights the line '\$config['stripe\_secret\_keys'] = "stripe\_secret\_keys";'. The left sidebar shows a tree view of the project structure, including 'AMS', '.github', 'admin', 'application', 'cache', 'config', 'autoload.php', 'config.php', 'constants.php', 'database-sample.php', 'database.php', 'doctypes.php', 'foreign\_chars.php', 'hooks.php', 'index.html', 'memcached.php', 'migration.php', 'mimes.php', 'profiler.php', 'routes.php', 'smileys.php', 'user\_agents.php', 'controllers', 'Admin\_dashboard.php', 'Advertisement.php', 'Api.php', 'Billboard\_test.php', 'Billboard.php', 'Booking.php', 'Customer\_dashboard.php', 'Customer\_test.php', 'Customer.php', 'Location\_test.php', 'Location.php', 'OUTLINE', 'TIMELINE', and 'SONARLINT ISSUE LOCATIONS'. The bottom status bar shows 'Ln 536, Col 54', 'Spaces: 4', 'UTF-8', 'LF', 'PHP', and other icons.

## Step 10: Test the Application

*Run the Application:*

- In your browser, go to <http://localhost/TRBAS/>.
- If everything is configured correctly, this application should load without issues.
- Use test admin user role credentials (These is only for test purpose)
- Email – [admin1@admin.com](mailto:admin1@admin.com)
- Password - 123

### *Additional Notes*

- Ensure that the Apache and MySQL services are running in the XAMPP Control Panel.
- If you face any issues, check the **logs** in XAMPP for troubleshooting (found in C:\xampp\apache\logs\error.log for Windows or /Applications/XAMPP/xamppfiles/logs/error\_log for macOS).

## Python Real time vehicle detector for billboards

### **Development Environment**

- **Development Tools**
- The project was developed using **PyCharm**, a widely used Integrated Development Environment (IDE) for Python development. This provided support for debugging, testing, and seamless Git integration.

- **GitHub** was used as the version control and repository platform to manage the code, ensuring it can be easily shared and accessed for deployment.
- **Source Control and Collaboration**
- The Python script is hosted on **GitHub**, enabling version control and collaboration with other developers or team members.
- To deploy the project, the latest code can be cloned from the GitHub repository using:

git clone <https://github.com/akilawijesinghe/realTimeTrafficDetector>

## Test Environment Setup in PyCharm

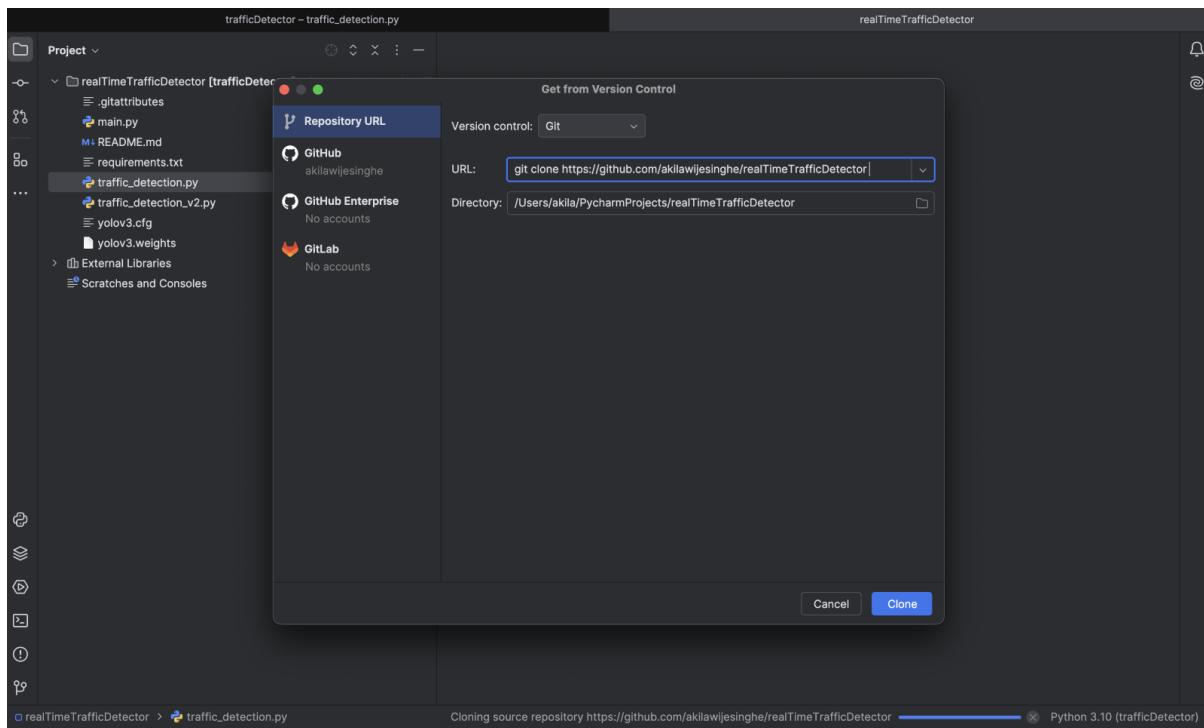
### Step 1: Install PyCharm

Ensure PyCharm is installed on your local machine. You can download it from [JetBrains](#).

### Step 2: Clone the GitHub Repository

Open the PyCharm IDE, go to **File > New > Project from Version Control**, and select **Git**. Paste the repository URL and clone it.

git clone <https://github.com/akilawijesinghe/realTimeTrafficDetector>



### Step 3: Configure Virtual Environment

PyCharm allows you to set up a virtual environment to isolate dependencies.

- Go to **File > Settings > Project > Python Interpreter**.
- Select **Add Interpreter** and choose **New Virtual Environment**.

- This ensures the test environment is separated from other projects and system packages.

## Step 4: Install Dependencies

In the terminal within PyCharm, install the dependencies using:

```
pip install -r requirements.txt
```

This installs all necessary libraries like OpenCV, NumPy, and others listed in the requirements.txt file.

The screenshot shows the PyCharm interface. On the left, the project structure for 'realTimeTrafficDetector\_new [trafficDetector]' is visible, including files like .venv, .gitattributes, main.py, README.md, requirements.txt, traffic\_detection.py, traffic\_detection\_v2.py, yolov3.cfg, and yolov3.weights. The 'traffic\_detection.py' file is open in the center editor, displaying Python code for video capture and YOLO model loading. A warning message at the top of the editor states: 'Package requirements 'opencv-python', 'requests', 'numpy' are not satisfied'. Below the editor, a terminal window shows the command: '(.venv) akila@Akila-MacBook-Pro-2: realTimeTrafficDetector\_new % pip install -r requirements.txt'. The terminal output shows the download of several packages: opencv-python, requests, numpy, and charset-normalizer. The status bar at the bottom indicates indexing and shows settings for 5:2 LF, UTF-8, 4 spaces, and Python 3.10 (realTimeTrafficDetector\_new).

## Step 5. Integration with API

- The system integrates with an API to fetch and display advertisements based on vehicle detection.
- Only change the domain name to your domain name.

```

15     # Define the full COCO classes that YOLOv3 recognizes
16     classes = ["person", "bicycle", "car", "motorbike", "aeroplane", "bus", "train", "truck",
17                 "boat", "traffic light", "fire hydrant", "stop sign", "parking meter", "bench",
18                 "bird", "cat", "dog", "horse", "sheep", "cow", "elephant", "bear", "zebra",
19                 "giraffe", "backpack", "umbrella", "handbag", "tie", "suitcase", "frisbee",
20                 "skis", "snowboard", "sports ball", "kite", "baseball bat", "baseball glove",
21                 "skateboard", "surfboard", "tennis racket", "bottle", "wine glass", "cup",
22                 "fork", "knife", "spoon", "bowl", "banana", "apple", "sandwich", "orange",
23                 "broccoli", "carrot", "hot dog", "pizza", "donut", "cake", "chair", "sofa",
24                 "pottedplant", "bed", "diningtable", "toilet", "laptop", "mouse",
25                 "remote", "keyboard", "cell phone", "microwave", "oven", "toaster", "sink",
26                 "refrigerator", "book", "clock", "vase", "scissors", "teddy bear", "hair drier",
27                 "toothbrush"]
28
29
30     # URL for the API to check traffic conditions
31     TRAFFIC_API_URL = 'https://cavtrbas.au/api/check_traffic'
32
33
34     # Get the MAC address of the current machine
35     def get_mac_address(): 1usage
36         mac_num = hex(uuid.getnode()).replace('0x', '').upper()
37         mac = ":".join(mac_num[i:i+2] for i in range(0, 12, 2))
38
39         return mac
40
41     def display_ad(video_url): 1usage
42         # Release the video capture before playing the ad
43         cap.release()
44         cv2.destroyAllWindows()
45
46         # Open the video from the URL
47         ad_cap = cv2.VideoCapture(video_url)
48
49         if not ad_cap.isOpened():
50             print("Error: Could not open video URL")

```

- **API requests** are made using the `requests` library in Python, which handles communication between the detection system and the traffic monitoring service.

## Step 6: Running the Script

After setting up the environment and ensuring all files are in place, you can run the script in PyCharm. To do this:

- Right-click the main Python file and select **Run**. PyCharm's console will display output, allowing you to test how vehicle detection performs in a controlled environment.

## Real Env Deployment Setup:

### System Requirements

- Python 3.x is required to run the script. Other dependencies, such as OpenCV, NumPy, need to be installed using a `requirements.txt` file or directly with pip.
- Use PyCharm's built-in virtual environment manager to isolate the project dependencies and ensure compatibility during deployment.
- **Installing Dependencies:**
- After cloning the repository, install dependencies using the following command, `pip install -r requirements.txt`
- This will automatically install OpenCV, NumPy, and any other necessary libraries listed in the `requirements.txt`.

### Configuration

- **Pre-trained Models**

- Ensure that the YOLOv3 model weights and configuration files (yolov3.weights and yolov3.cfg) are present in the same directory or properly linked in the script.
- **Service Setup (Cross-Platform)**
- On deployment, the script can be set up as a background service. For cross-platform support:
  - **Linux:** Use systemd to create a service file that runs the Python script at boot.
  - **Windows:** Use Task Scheduler to set the script to run on system startup.
- This ensures that the detection system runs continuously without manual intervention.

## Deployment as a Service

- The project can be deployed on a local or cloud-based machine (e.g., Raspberry Pi, or edge devices for real-time detection).
- After cloning the repository, you can create a script or batch file to start the Python script as a service (.sh for Linux, .bat for Windows). This ensures the script runs automatically after deployment.

## Failure Handling and Automatic Restart

- Configure cron jobs (Linux) or Task Scheduler (Windows) to periodically check if the Python script is running. If the process crashes, it will automatically restart the script to ensure continuous operation.

## GitHub Links

- Traffic-Responsive Billboard Advertisement System
- <https://github.com/akilawijesinghe/TRBAS>
- Python Real time vehicle detector for billboards
- <https://github.com/akilawijesinghe/realTimeTrafficDetector>

# Introduction

The **Billboard Management and Advertising Control System** is a web-based application designed to help businesses efficiently manage billboards, advertisements, and customer interactions. The platform enables administrators to handle day-to-day operations such as scheduling ads, managing customer accounts, generating reports, etc. This manual will guide you through the various features and functionalities available in the system.

## User Permissions

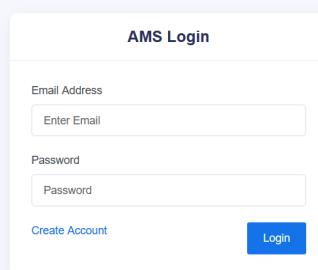
There are two primary roles in the system:

1. **Admin:** Manages billboards, advertisements, customer accounts, and user accounts and generates reports.
2. **Customer:** Can create their account, view advertisement performance, make bookings and generate reports.

## Admin Functions

### Logging in and Getting Started

1. Open the application and enter your credentials on the login screen.



The image shows a screenshot of the 'AMS Login' interface. It features a light gray header with the text 'AMS Login'. Below this is a form with two input fields: 'Email Address' and 'Password', each with a placeholder text ('Enter Email' and 'Password' respectively). To the left of the 'Email Address' field is a 'Create Account' link. To the right of the 'Password' field is a blue 'Login' button.

## Dashboard Overview

The dashboard is the central hub for viewing system activity and statistics. It includes sections for:

- **Active Advertisements:** A list of currently active ads.
- **Traffic Volume Overview:** A summary of traffic volume for each billboard location.
- **Billboard Stats:** This section displays an overview of the customer's billboards. It shows relevant statistics such as total billboards, ad performance, and visibility.
- **Customer Stats:** This section provides detailed insights into the customer's active advertisements, including total ads, duration, and performance metrics.

This screenshot shows the Admin Dashboard under the 'Billboard Stats' section. It displays eight billboards with their respective IDs, locations, and total vehicle counts. The billboards are arranged in two rows of four.

ID	Location	Total Vehicles
ID : 9	Docklands Junction VIC	80
ID : 8	Flagstaff Street Station Platform 2	94
ID : 7	Latrobe Street	604
ID : 1	CQU Uni Building Melbourne	329
ID : 2	CQU Uni Building Melbourne	0
ID : 3	St Kilda Junction	0
ID : 4	Dandenong Road	0
ID : 5	CQU Uni Building Melbourne	0
ID : 6	Dandenong Road	0

This screenshot shows the Admin Dashboard under the 'Customer Stats' section. It displays six customers with their respective IDs, names, and total ads. The customers are arranged in two rows of three.

ID	Name	Total Ads
ID : 1	Test Customer	6
ID : 27	Teja	4
ID : 38	Akila Wijesinghe	2
ID : 5	TestCustomer	0
ID : 4	Test Customer For Unique	0
ID : 3	Customer4	0
ID : 36	Minoli	0
ID : 30	uditha	0
ID : 28	Teja	0

# Managing Billboards

1. Navigate to the **Billboards** section from the main menu.
2. Click on **Add Billboard** to create a new billboard entry. Fill in details such as **Billboard Name, Location, Type, and Status**.
3. To edit an existing billboard, select it from the list, make changes, and click **save**.
4. To delete a billboard, click on the delete button next to the edit button and confirm the deletion.

The screenshot shows the OC TRBAS software interface. On the left is a dark sidebar with various menu items: Dashboard, Billboards (which is selected and highlighted in blue), Locations, Bookings, Advertisements, Customers, Price Packages, Users, and Reports. The main area has a light background and is titled "Billboards". At the top left of this area is a blue button labeled "Add Billboard". Below the title is a search bar with placeholder text "Search: [ ]". Underneath the search bar is a table with the following columns: ID, LOCATION, SIZE, TYPE, MAC ADDRESS, MIN VEHICLE COUNT, PRICE PER DAY, ACTIVE, and ACTIONS. There are five rows of data in the table, each with a unique ID (1, 3, 4, 6) and specific details. To the right of each row are two buttons: a red "Delete" button and a blue "Edit" button. The top right corner of the main area shows a user profile icon and the greeting "Hi, akila1".

ID ↑↓	LOCATION ↑↓	SIZE ↑↓	TYPE ↑↓	MAC ADDRESS ↑↓	MIN VEHICLE COUNT ↑↓	PRICE PER DAY ↑↓	ACTIVE ↑↓	ACTIONS ↑↓
1	CQU Uni Building Melbourne	Large	LED	CA:2A:4B:C6:16:2D	20	\$1000.00	Yes	<span>Delete</span> <span>Edit</span>
3	St Kilda Junction	Large	LED	CA:2A:4B:C6:16:2B	35	\$500.00	Yes	<span>Delete</span> <span>Edit</span>
4	Dandenong Road	MEDIUM	LED	BB:C2:D4:16:15:7	25	\$350.00	Yes	<span>Delete</span> <span>Edit</span>
6	Dandenong Road	Large	LED	CA:2A:4B:C6:16:2C	37	\$200.00	Yes	<span>Delete</span> <span>Edit</span>

The screenshot shows the OC TRBAS software interface with a modal dialog box titled "Add Billboard" overlaid on the main "Billboards" list page. The dialog box contains several input fields: "Location" with a dropdown menu showing "Select Location", "Size" with a dropdown menu showing "Size", "Type" with a dropdown menu showing "LED", "Mac Address" with an input field containing "Mac Address", "Min Vehicle Count" with an input field containing "Minimum Vehicle Count", "Price Per Day" with an input field containing "Price Per Day", and "Active" with a dropdown menu showing "Yes". At the bottom right of the dialog box are two buttons: "Close" and "Save changes". The background of the main area shows the same table and list of billboards as the previous screenshot, with the "Add Billboard" button visible at the top left of the main content area.

**Add Billboard**

Location	CQU Uni Building Melbourne
Size	Large
Type	LED
Mac Address	CA:2A:4B:C6:16:2D
Min Vehicle Count	20
Price Per Day	\$1000.00
Active	Yes

**Actions:** Close, Save changes

**Delete Billboard**

Are you sure you want to delete this billboard?

**Actions:** Close, Delete

## Managing Locations

1. Navigate to the **Locations** section.
2. Click on **Add Location** to specify a new billboard location. Enter details such as **location name**.
3. Edit or delete locations by selecting them from the list.

ID	LOCATION	CREATED DATE	ACTIONS
1	CQU Uni Building Melbourne	2024-08-22 00:26:39	<button>Delete</button> <button>Edit</button>
3	Flinders Street Station Platform 1	2024-08-28 00:47:01	<button>Delete</button> <button>Edit</button>
5	St Kilda Junction	2024-09-04 04:49:45	<button>Delete</button> <button>Edit</button>
6	Dandenong Road	2024-09-04 04:50:54	<button>Delete</button> <button>Edit</button>
7	Springvale road	2024-09-04 04:52:07	<button>Delete</button> <button>Edit</button>
8	Latrobe Street	2024-09-04 04:53:14	<button>Delete</button> <button>Edit</button>

Add Location



Close Save changes

Add Location



Close Save changes

The screenshot shows the 'Locations' section of the application. A modal window titled 'Delete Location' is open, asking 'Are you sure you want to delete this location?'. It has 'Close' and 'Delete' buttons. Below the modal is a table listing locations with columns: ID, LOCATION, CREATED DATE, and ACTIONS (Delete, Edit). The table contains 8 entries.

ID	LOCATION	CREATED DATE	ACTIONS
1	CQU Uni Building Melbourne	2024-08-22 00:26:39	<button>Delete</button> <button>Edit</button>
3	Flinders Street Station Platform 1	2024-08-28 00:47:01	<button>Delete</button> <button>Edit</button>
5	St Kilda Junction	2024-09-04 04:49:45	<button>Delete</button> <button>Edit</button>
6	Dandenong Road	2024-09-04 04:50:54	<button>Delete</button> <button>Edit</button>
7	Springvale road	2024-09-04 04:52:07	<button>Delete</button> <button>Edit</button>
8	Latrobe Street	2024-09-04 04:53:14	<button>Delete</button> <button>Edit</button>

## Managing Bookings

1. Go to the **Bookings** section.
2. Click **Create Booking** and select the **Billboard, Customer, Date Range, Price, and Active Status**.
3. View, edit, or cancel bookings as necessary.

The screenshot shows the 'Bookings' section of the application. A modal window titled 'Add Booking' is open. Below it is a table listing bookings with columns: ID, CUSTOMER, BILLBOARD, PRICE PACKAGE, DATE RANGE, ACTIVE, and ACTIONS (Delete, Edit). The table contains 7 entries.

ID	CUSTOMER	BILLBOARD	PRICE PACKAGE	DATE RANGE	ACTIVE	ACTIONS
1	Test Customer	CQU Uni Building Melbourne	Updated Package	2024-08-22 to 2024-08-30 <span style="background-color: red; color: white; padding: 2px;">Expired</span>	<span style="background-color: green; color: white; padding: 2px;">Yes</span>	<button>Delete</button> <button>Edit</button>
3	Test Customer	CQU Uni Building Melbourne	Default	2024-06-14 to 2024-07-15 <span style="background-color: red; color: white; padding: 2px;">Expired</span>	<span style="background-color: green; color: white; padding: 2px;">Yes</span>	<button>Delete</button> <button>Edit</button>
24	Minoli	St Kilda Junction	More than month	2025-01-01 to 2025-01-31 <span style="background-color: orange; color: white; padding: 2px;">Future</span>	<span style="background-color: green; color: white; padding: 2px;">Yes</span>	<button>Delete</button> <button>Edit</button>
25	Teja	Dandenong Road	More than month	2024-10-02 to 2024-10-31 <span style="background-color: green; color: white; padding: 2px;">Active</span>	<span style="background-color: green; color: white; padding: 2px;">Yes</span>	<button>Delete</button> <button>Edit</button>
31	Test Customer	CQU Uni Building Melbourne	Default	2024-12-06 to 2024-12-11 <span style="background-color: orange; color: white; padding: 2px;">Future</span>	<span style="background-color: green; color: white; padding: 2px;">Yes</span>	<button>Delete</button> <button>Edit</button>
34	Akila Wijesinghe	Docklands Junction VIC	Default	2024-09-18 to 2024-09-25 <span style="background-color: red; color: white; padding: 2px;">Expired</span>	<span style="background-color: green; color: white; padding: 2px;">Yes</span>	<button>Delete</button> <button>Edit</button>

**Add Booking**

Billboard	Select Billboard			
Customer	Select Customer			
Date Range				
1	Price	Select date range first		
3	Active	Yes		
24				
25	Teja	Dandenong Road	More than month	Active
31	Test Customer	CQU Uni Building Melbourne	Default	2024-12-06 to 2024-12-11 Future
34	Akila Wijesinghe	Docklands Junction VIC	Default	2024-09-18 to 2024-09-25 Expired

**Add Booking**

Billboard	St Kilda Junction	
Customer		
Date Range	01/01/2025 - 01/31/2025	
1	Price	More than month
3	Active	Yes
24	Price per day:	\$500.00
25	Total days:	31
25	Discount:	10%
25	Total price before discount:	\$15500.00
25	Discount amount:	\$1550.00
31	Final price after discount:	\$13950.00

**Delete Booking**

Are you sure you want to delete this booking?

ID	CUSTOMER	BILLBOARD	PRICE PACKAGE	DATE RANG	ACTIVE	ACTIONS
1	Test Customer	CQU Uni Building Melbourne	Updated Package	2024-08-22 to 2024-08-30 Expired	Yes	Delete Edit
3	Test Customer	CQU Uni Building Melbourne	Default	2024-06-14 to 2024-07-15 Expired	Yes	Delete Edit
24	Minoli	St Kilda Junction	More than month	2025-01-01 to 2025-01-31 Future	Yes	Delete Edit
25	Teja	Dandenong Road	More than month	2024-10-02 to 2024-10-31 Active	Yes	Delete Edit
31	Test Customer	CQU Uni Building Melbourne	Default	2024-12-06 to 2024-12-11 Future	Yes	Delete Edit
34	Akila Wijesinghe	Docklands Junction VIC	Default	2024-09-18 to 2024-09-25 Expired	Yes	Delete Edit

# Managing Advertisements

## 1. Access the Advertisements Screen:

- Navigate to the **Manage Advertisements** section from the main menu.
- This screen displays a table listing all customer bookings.

ID ↑	CUSTOMER ↑	BILLBOARD ↑	DATE RANGE ↑
1	Test Customer	CQU Uni Building Melbourne	2024-08-22 to 2024-08-30 Expired
3	Test Customer	CQU Uni Building Melbourne	2024-06-14 to 2024-07-15 Expired
24	Minoli	St Kilda Junction	2025-01-01 to 2025-01-31 Expired
25	Teja	Dandenong Road	2024-10-02 to 2024-10-31 Ongoing

## 2. View Bookings:

- The table includes booking details such as **Booking ID, Customer Name, Billboard, and Date Range**.
- Each row in the table represents a distinct booking, showing the relevant information at a glance.

ID ↑	CUSTOMER ↑	BILLBOARD ↑	DATE RANGE ↑
1	Test Customer	CQU Uni Building Melbourne	2024-08-22 to 2024-08-30 Expired
3	Test Customer	CQU Uni Building Melbourne	2024-06-14 to 2024-07-15 Expired
24	Minoli	St Kilda Junction	2025-01-01 to 2025-01-31 Expired
25	Teja	Dandenong Road	2024-10-02 to 2024-10-31 Ongoing

### 3. Add Advertisement Content:

- To add advertisement content to a booking, click on the desired row in the table.
- A pop-up or a new section will open, allowing the admin to upload the advertisement video.
- Once the advertisement is added, it will be linked to that specific booking and scheduled accordingly.

The screenshot shows the CC TRBAS software interface. On the left is a dark sidebar with white icons and text for Dashboard, Billboards, Locations, Bookings, Advertisements (which is highlighted), Customers, Price Packages, Users, and Reports. The main area has a light blue header "Advertisement". Below it, there are two main sections: "Bookings" and "Advertisements".

**Bookings:** This section contains a table with columns: ID, CUSTOMER, BILLBOARD, and DATE RANGE. It lists four entries:

ID	CUSTOMER	BILLBOARD	DATE RANGE
1	Test Customer	CQU Uni Building Melbourne	2024-08-22 to 2024-08-30 Expired
3	Test Customer	CQU Uni Building Melbourne	2024-06-14 to 2024-07-15 Expired
24	Minoli	St Kilda Junction	2025-01-01 to 2025-01-31 Expired
25	Teja	Dandenong Road	2024-10-02 to 2024-10-31 Ongoing

**Advertisements:** This section has a table with columns: ID, URL, and ACTIONS. It displays the message "No Advertisements". Below this is a dashed box with the text "Upload Video (MP4, MOV, AVI, MPEG4, FLV, 3GPP, 15 seconds max, 10MB max)" and a placeholder "Drop files here to upload".

## Managing Customers

1. Go to the **Customers** section.
2. Click **Add Customer** to create a new customer profile. Enter relevant information such as **Name, Contact Details, and ABN, ETC.**
3. To update customer details, select the customer from the list, make changes, and click **Save**.
4. You can deactivate or delete customer accounts as needed.

ID	NAME	EMAIL	CONTACT	ADDRESS	ABN	ACTIVE	ACTIONS
1	Test Customer	customer@gmail.com	0456654456	TEST	12345	<span>Yes</span>	<button>Delete</button> <button>Edit</button>
3	Customer4	customer5@gmail.com	0456654456	test	123	<span>Yes</span>	<button>Delete</button> <button>Edit</button>
4	Test Customer For Unique	c2@gmail.com	0456654456	scsd	12	<span>Yes</span>	<button>Delete</button> <button>Edit</button>
5	TestCustomer	customertest@gmail.com	0456654456	Test addressq		<span>Yes</span>	<button>Delete</button> <button>Edit</button>

Add customer

Name	<input type="text"/>
Email	<input type="text"/>
Contact	<input type="text"/>
Address	<input type="text"/>
ABN	<input type="text"/>
Password	<input type="text"/>
Password must be 8+ characters, include uppercase, lowercase, a number, and a special character.	
Confirm	<input type="text"/>
Active	<input type="checkbox"/>
<button>Close</button> <button>Save changes</button>	

Add customer

Name	<input type="text" value="Test Customer"/>
Email	<input type="text" value="customer@gmail.com"/>
Contact	<input type="text" value="0456654456"/>
Address	<input type="text" value="TEST"/>
ABN	<input type="text" value="12345"/>
Password	<input type="text"/>
Password must be 8+ characters, include uppercase, lowercase, a number, and a special character.	
Confirm	<input type="text"/>
Active	<input type="checkbox"/>
<button>Close</button> <button>Save changes</button>	

The screenshot shows the OC TRIBAS software interface. On the left is a sidebar with navigation links: Dashboard, Billboards, Locations, Bookings, Advertisements, Customers (selected), Price Packages, Users, and Reports. The main area has a title 'Customer' and a sub-section 'Add Customer'. A modal window titled 'Delete customer' asks 'Are you sure you want to delete this customer?'. It has 'Close' and 'Delete' buttons. Below the modal is a table with columns: ID, NAME, EMAIL, CONTACT, ADDRESS, ABN, ACTIVE, and ACTIONS. The table contains five rows of customer data. Each row has a 'Delete' and 'Edit' button in the ACTIONS column.

ID	NAME	EMAIL	CONTACT	ADDRESS	ABN	ACTIVE	ACTIONS
1	Test Customer	customer@gmail.com	0456654456	TEST	12345	Yes	Delete Edit
3	Customer4	customer5@gmail.com	0456654456	test	123	Yes	Delete Edit
4	Test Customer For Unique	c2@gmail.com	0456654456	scsd	12	Yes	Delete Edit
5	TestCustomer	customertest@gmail.com	0456654456	Test addressq		Yes	Delete Edit

## Managing Price Packages

1. Go to the **Price Packages** section.
2. Click **Add Package** and provide details like **Package Name, Price, Duration, and Included Billboards**.
3. Update or delete packages as necessary.

**Price Packages**

Add Price Package

Show 10 entries

Search:

ID	PACKAGE NAME	DURATION (DAYS)	DISCOUNT	ACTIVE	ACTIONS
2	More than month	30	10.00%	Yes	<button>Delete</button> <button>Edit</button>
3	Default	1	0.00%	Yes	<button>Delete</button> <button>Edit</button>
4	More than 3 months	90	20.00%	Yes	<button>Delete</button> <button>Edit</button>
5	More than 5 months	150	25.00%	Yes	<button>Delete</button> <button>Edit</button>

Showing 1 to 4 of 4 entries

Previous 1 Next

2024, made with ❤️ by Group 2

Add Price Package

Name	<input type="text" value="Package Name"/>
Days	<input type="text" value="Duration"/>
Discount(%)	<input type="text" value="Discount"/>
Active	<input type="text" value="Yes"/>

Close Save changes

Showing 1 to 4 of 4 entries

Previous 1 Next

2024, made with ❤️ by Group 2

Add Price Package

Name	<input type="text" value="More than month"/>
Days	<input type="text" value="30"/>
Discount(%)	<input type="text" value="10.00"/>
Active	<input type="text" value="Yes"/>

Close Save changes

Showing 1 to 4 of 4 entries

Previous 1 Next

2024, made with ❤️ by Group 2

The screenshot shows a user interface for managing price packages. On the left is a sidebar with navigation links: Dashboard, Billboards, Locations, Bookings, Advertisements, Customers, Price Packages (which is selected), Users, and Reports. The main area is titled "Price Packages" and contains a table with four entries. A modal dialog box is overlaid on the page, asking "Are you sure you want to delete this pricepackage?". The modal has "Close" and "Delete" buttons. The table data is as follows:

ID	PACKAGE NAME	DURATION (DAYS)	DISCOUNT	ACTIVE	ACTIONS
2	More than month	30	10.00%	Yes	<button>Delete</button> <button>Edit</button>
3	Default	1	0.00%	Yes	<button>Delete</button> <button>Edit</button>
4	More than 3 months	90	20.00%	Yes	<button>Delete</button> <button>Edit</button>
5	More than 5 months	150	25.00%	Yes	<button>Delete</button> <button>Edit</button>

At the bottom of the main area, it says "Showing 1 to 4 of 4 entries". In the top right corner of the page, there is a user profile icon and the text "Hi, akila!

## Managing General Users

1. Access the **User Management** section.
2. Add new users by entering their details and assigning a role.
3. Edit or deactivate users based on account status.

ID	NAME	EMAIL	CONTACT	ACTIVE	ACTIONS
6	akila1	admin1@admin.com	0422644889	Yes	<button>Delete</button> <button>Edit</button>
34	test	test@test.com		Yes	<button>Delete</button> <button>Edit</button>

Showing 1 to 2 of 2 entries

Search:

Previous 1 Next

Add user

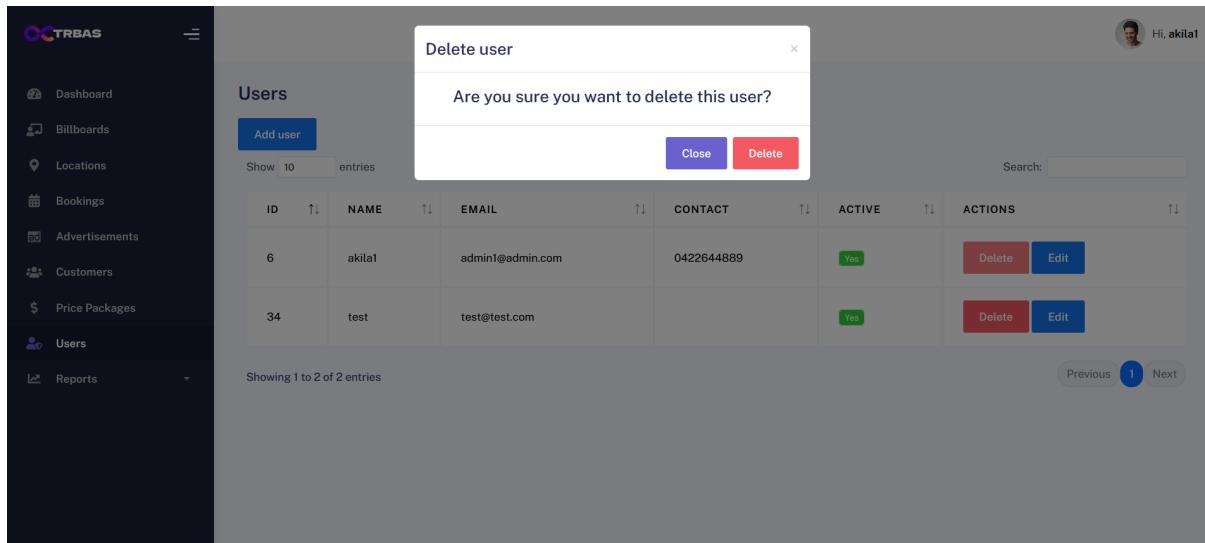
Name	<input type="text"/>
Email	<input type="text"/>
Contact	<input type="text"/>
Password	<input type="password"/>
Confirm	<input type="password"/>
Active	<select>Yes</select>

Close Save changes

Add user

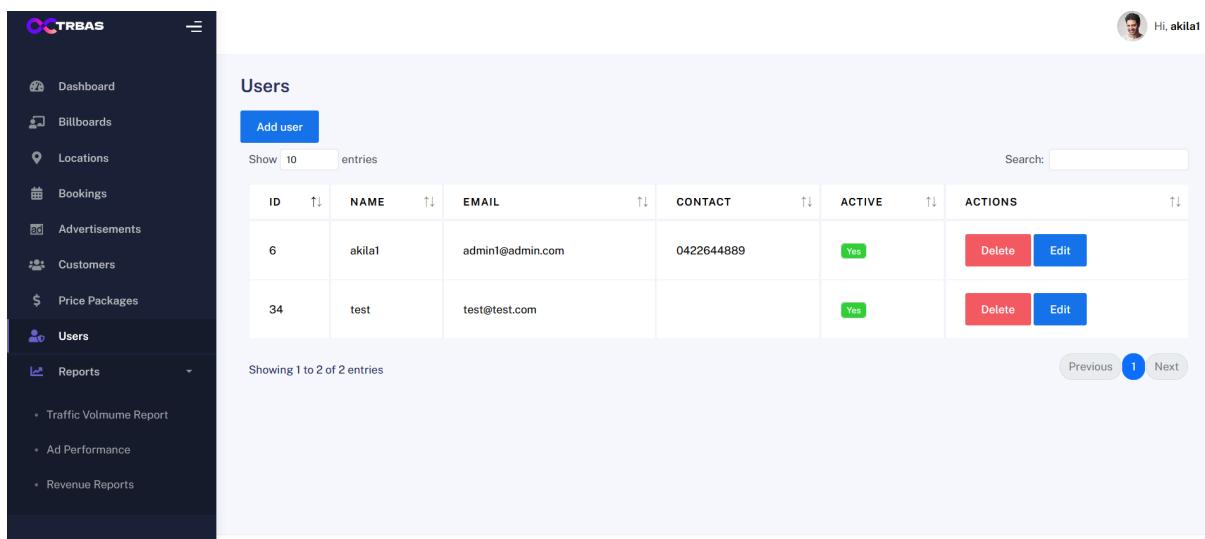
Name	<input type="text" value="akila1"/>
Email	<input type="text" value="admin1@admin.com"/>
Contact	<input type="text" value="0422644889"/>
Password	<input type="password"/>
Confirm	<input type="password"/>
Active	<select>Yes</select>

Close Save changes



## Managing Admin Users

1. Navigate to the **Admin Management** section.
2. Click **Add Admin** to create a new admin user. Enter details such as **Name, Email, Role, and Permissions**.
3. Modify or remove admin users as needed.



The screenshot shows the CCTRBAS application interface. On the left is a dark sidebar with various menu items: Dashboard, Billboards, Locations, Bookings, Advertisements, Customers, Price Packages, Users (selected), Reports, Traffic Volume Report, Ad Performance, and Revenue Reports. The main content area displays a table titled 'Users' with two entries: ID 6 (Name: akilal) and ID 34 (Name: test). A modal window titled 'Add user' is open in the center. It contains fields for Name (akilal), Email (admin1@admin.com), Contact (0422644889), Password (yellowed), Confirm (Password), and Active (Yes). Below the form are 'Close' and 'Save changes' buttons. The top right corner shows a user profile with the greeting 'Hi, akilal'.

This screenshot is nearly identical to the one above, but the 'Name' field now contains 'akila1'. All other fields (Email, Contact, Password, Confirm, Active) remain the same. The modal window and sidebar are identical to the first screenshot.

The screenshot shows the CCTRBAS application interface. The sidebar and user profile are identical to the previous screenshots. A modal window titled 'Delete user' is centered, displaying the message 'Are you sure you want to delete this user?'. Below the message are 'Close' and 'Delete' buttons. The main content area shows the 'Users' table with the same two entries as before. The top right corner shows the user profile with 'Hi, akilal'.

## Viewing Reports

- **Traffic Volume Report:** Provides insights into the number of viewers for each billboard location.
- **Ad Scheduling Report:** Displays details of when and where each advertisement is scheduled.
- **Ad Performance Report:** Shows a comprehensive performance overview, including metrics such as customer, booking, billboard, and vehicle count.
- **Ad Exposure Report:** Generate an exposure report by selecting a date range (From Date, To Date) to view visibility and engagement data.

### Traffic Volume Report

1. Navigate to the Reports section in the main menu.
2. Click on Traffic Volume Report.
3. Select the desired Billboard Location from the dropdown list.
4. Choose the Date Range by setting the From Date and To Date fields.
5. Click Generate Report to view the traffic volume data.

The screenshot shows the CCTRBAS software interface. On the left is a dark sidebar with various menu items: Dashboard, Billboards, Locations, Bookings, Advertisements, Customers, Price Packages, Users, Reports (selected), Traffic Volume Report, Ad Performance, and Revenue Reports. The main area has a title 'Traffic Volume Report' and two date input fields: 'From Date' (10 / 02 / 2024) and 'To Date' (10 / 02 / 2024). A 'Search' button is to the right of the date fields. Below this is a table titled 'Traffic Volume Report' with the subtitle 'From Date: 2024-10-02 To Date: 2024-10-02'. The table has columns for #, Billboard ID, Location, and Total Vehicle Count. The data shows 9 entries, all with a total vehicle count of 0. The locations listed are CQU Uni Building Melbourne, St Kilda Junction, Dandenong Road, Latrobe Street, Flagstaff Street Station Platform 2, and Docklands Junction VIC.

#	Billboard ID	Location	Total Vehicle Count
1	1	CQU Uni Building Melbourne	0
2	2	CQU Uni Building Melbourne	0
3	3	St Kilda Junction	0
4	4	Dandenong Road	0
5	5	CQU Uni Building Melbourne	0
6	6	Dandenong Road	0
7	7	Latrobe Street	0
8	8	Flagstaff Street Station Platform 2	0
9	9	Docklands Junction VIC	0

## Ad Performance Report

1. Go to the Reports section in the main menu.
2. Click on Ad Performance Report.
3. Select a Date Range and apply additional filters such as from date and to date.
4. Click Search to view the performance metrics.

The screenshot shows the 'Ad Performance Report' page. On the left is a dark sidebar with the 'CTR BAS' logo at the top. Below it are various navigation items: Dashboard, Billboards, Locations, Bookings, Advertisements, Customers, Price Packages, Users, Reports (which is expanded to show Traffic Volume Report, Ad Performance, and Revenue Reports), and Help. The main content area has a light background. At the top, there are 'From Date' and 'To Date' input fields both set to '10/02/2024'. To the right of these fields is a 'Search' button. Below this, the title 'Ad Performance Report' is centered above a subtitle 'From Date: 2024-10-02 To Date: 2024-10-02'. A horizontal line separates this from a table below. The table has columns: '#', 'Billboard', 'Customer', 'Booking', and 'Total Vehicle Count'. There are 11 rows of data, each representing a booking entry with its details. The last row is a summary row labeled 'Total'.

#	Billboard	Customer	Booking	Total Vehicle Count
1	ID : 1 CQU Uni Building Melbourne	Test Customer	From : 2024-08-22 To : 2024-08-30 d1e03a0d665dc68853e2c69af2a5d026.mp4	0
2	ID : 1 CQU Uni Building Melbourne	Test Customer	From : 2024-08-22 To : 2024-08-30 0440db462d98316ad85ed9c4ecb1caf5.mp4	0
3	ID : 1 CQU Uni Building Melbourne	Test Customer	From : 2024-08-22 To : 2024-08-30 c4626fb6b6d1091253675ed4f8a73530.mp4	0
4	ID : 1 CQU Uni Building Melbourne	Test Customer	From : 2024-08-22 To : 2024-08-30 c23125a0fdbbaacf78719f82bf7692ccb.mov	0
5	ID : 3 St Kilda Junction	Teja	From : 2024-09-04 To : 2024-12-31 46b2fefef965fbfebbfab9a48fa6b666.mp4	0
6	ID : 3 St Kilda Junction	Teja	From : 2024-09-04 To : 2024-12-31 a9eeeba6028c96ac0bc5b7d74606c04cb.mp4	0
7	ID : 3 St Kilda Junction	Teja	From : 2024-09-04 To : 2024-12-31 24dd688f4258a35634a7e7139e877991.mp4	0
8	ID : 3 St Kilda Junction	Teja	From : 2024-09-04 To : 2024-12-31 6e1403de566f4c0528f8740b45adf6a2.mp4	0
9	ID : 3 St Kilda Junction	Teja	From : 2024-09-04 To : 2024-12-31 a7e1db065f4b2f116b9ebac56c91c67.mp4	0
10	ID : 3 St Kilda Junction	Teja	From : 2024-09-04 To : 2024-12-31 df72084843745506f4401cd68f7d0794.mp4	0
11	in - 2	Total	From : 2024-09-04 To : 2024-12-31	0

## Revenue Report

1. Navigate to the Reports section and click on Revenue Report.
2. Select a Date Range by setting the From Date and To Date fields.
3. Click Search to view revenue data.

The screenshot shows the CQTRBAS application interface. On the left is a dark sidebar with various menu items: Dashboard, Billboards, Locations, Bookings, Advertisements, Customers, Price Packages, Users, Reports (selected), Traffic Volume Report, Ad Performance, and Revenue Reports. The main content area is titled "Revenue Report" and displays two date input fields: "From Date" (10/02/2024) and "To Date" (10/02/2024), followed by a "Search" button. Below this, a table header "Revenue Report" is shown with the subtitle "From Date: 2024-10-02 To Date: 2024-10-02". A table with three columns (#, Date, Revenue) shows one row: "Total Revenue" with "\$0.00".

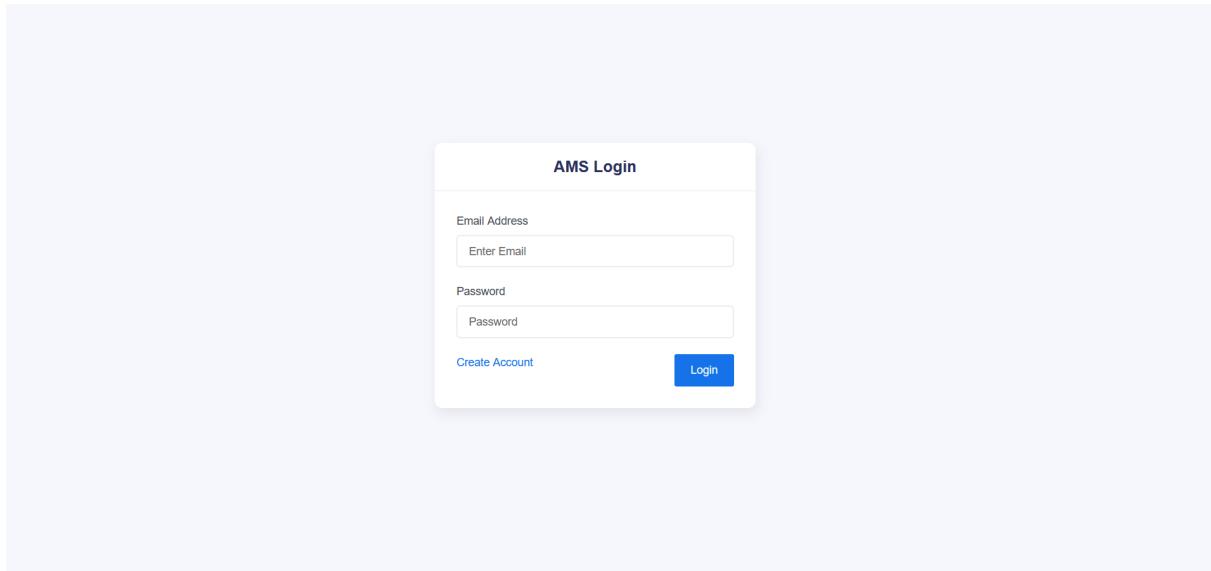
## Customer Functions

### Self-Registration Process

First, you need to create an account by following these steps:

#### 1. Visit the Registration Page

- Open your web browser and go to <https://cqutrbas.au/login>.
- Click the "**Create account**" link.

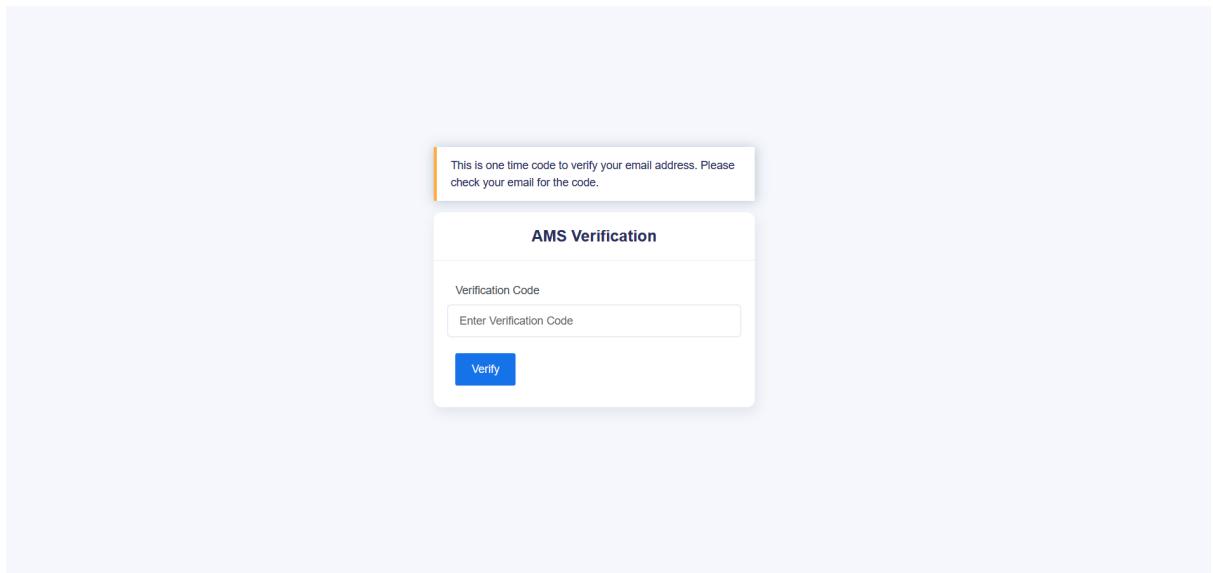


## 2. Fill Out the Registration Form

A screenshot of a registration form. It contains fields for "Name" (placeholder "Enter Name"), "Email Address" (placeholder "Enter Email"), "Contact" (placeholder "Enter Contact"), "Address" (placeholder "Enter Address"), "ABN" (placeholder "Enter ABN"), and "Password" (placeholder "Password"). A note below the password field states: "Password must be 8+ characters, include uppercase, lowercase, a number, and a special character." There is also a "Confirm Password" field (placeholder "Confirm Password"). At the bottom are two buttons: a blue "Login" button and a blue "Register" button.

## 3. Submit the Registration Form

- Once all fields are filled out, click the "**Register**" button.
- You will receive a notification indicating that a verification code has been sent to your registered email address.



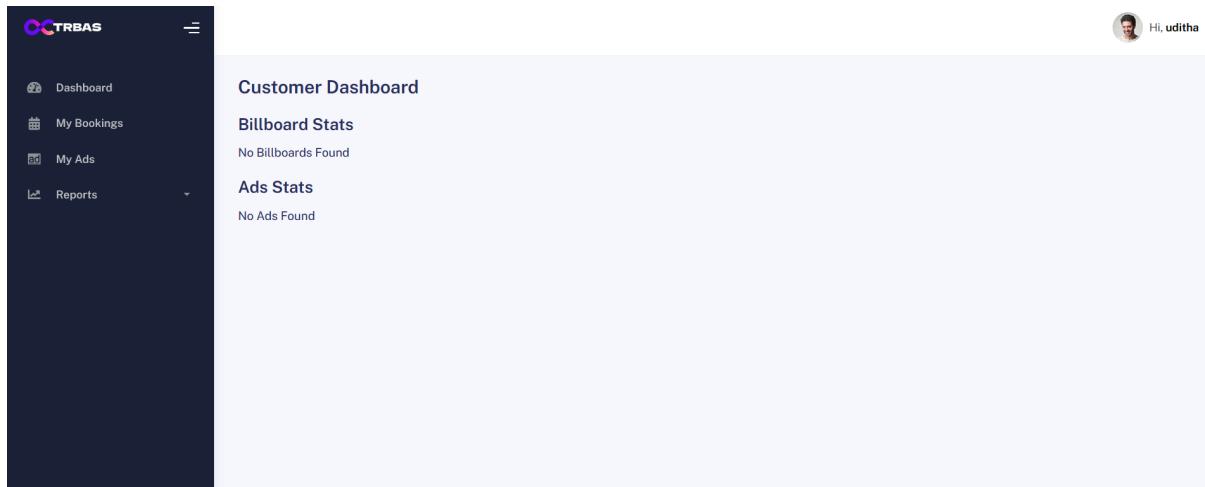
#### 4. Check Your Email

- Go to your email inbox and look for an email from Billboard Management and Advertising Control System.
- If you don't see the email in your inbox, check your Spam/Junk folder.

## Dashboard Overview

The dashboard is the central hub for viewing system activity and statistics. It includes sections for:

- **Billboard Stats:** This section displays an overview of the customer's billboards. It shows relevant statistics such as total billboards, ad performance, and visibility.
- **Ads Stats:** This section provides detailed insights into the customer's active advertisements, including total ads, duration, and performance metrics.



## My Bookings

1. Go to the **Bookings** section.
2. Click **Create Booking** and select the **Billboard, Customer, Date Range, Price, and Active Status**.
3. Pay for booking using strip.
4. View, edit, or cancel bookings as necessary.

Bookings																	
<a href="#">Add Booking</a>																	
Show 10 entries <input type="text" value="Search:"/>																	
ID	Customer	Billboard	Price Package	Date Range	Active	Actions											
No data available in table																	
Showing 0 to 0 of 0 entries																	
<a href="#">Previous</a> <a href="#">Next</a>																	

Hi, uditha

Add Booking

Billboard	Select Billboard
Customer	uditha
ID	
Date Range	
Price	Select date range first
Showing	
Active	Yes

[Close](#)

CQUTRBAS.AU TEST MODE

CQU Uni Building Melbourne Billboard  
(2024-10-04 to 2024-10-17) for 14 days at...

**A\$14,000.00**

**Pay with card**

Email

Card information

Cardholder name

Country or region

Securely save my information for 1-click checkout  
Pay faster on CQUTRBAS.AU and everywhere Link is accepted.

**Pay**

Notwithstanding the logo displayed above, when paying with a co-branded eftpos debit card, your payment may be processed through either card network.

Powered by | [Terms](#) | [Privacy](#)

The screenshot shows the OCTRAS application's Bookings section. A modal dialog box titled "Delete Booking" is open, asking "Are you sure you want to delete this booking?". Below the modal is a table of bookings. The table has the following columns: ID, CUSTOMER, BILLBOARD, PRICE PACKAGE, DATE RANG, ACTIVE, and ACTIONS. The data in the table is as follows:

ID	CUSTOMER	BILLBOARD	PRICE PACKAGE	DATE RANG	ACTIVE	ACTIONS
1	Test Customer	CQU Uni Building Melbourne	Updated Package	2024-08-22 to 2024-08-30 Expired	Yes	<button>Delete</button> <button>Edit</button>
3	Test Customer	CQU Uni Building Melbourne	Default	2024-06-14 to 2024-07-15 Expired	Yes	<button>Delete</button> <button>Edit</button>
24	Minoli	St Kilda Junction	More than month	2025-01-01 to 2025-01-31 Future	Yes	<button>Delete</button> <button>Edit</button>
25	Teja	Dandenong Road	More than month	2024-10-02 to 2024-10-31 Active	Yes	<button>Delete</button> <button>Edit</button>
31	Test Customer	CQU Uni Building Melbourne	Default	2024-12-06 to 2024-12-11 Future	Yes	<button>Delete</button> <button>Edit</button>
34	Akila Wijesinghe	Docklands Junction VIC	Default	2024-09-18 to 2024-09-25 Expired	Yes	<button>Delete</button> <button>Edit</button>

## My Bookings

1. Go to the **Bookings** section.
2. Click **Create Booking** and select the **Billboard, Customer, Date Range, Price, and Active Status**.
3. View, edit, or cancel bookings as necessary.

The screenshot shows the OCTRAS application's Bookings section. A modal dialog box titled "Delete Booking" is open, asking "Are you sure you want to delete this booking?". Below the modal is a table of bookings. The table has the following columns: ID, CUSTOMER, BILLBOARD, PRICE PACKAGE, DATE RANG, ACTIVE, and ACTIONS. The data in the table is as follows:

ID	CUSTOMER	BILLBOARD	PRICE PACKAGE	DATE RANG	ACTIVE	ACTIONS
1	Test Customer	CQU Uni Building Melbourne	Updated Package	2024-08-22 to 2024-08-30 Expired	Yes	<button>Delete</button> <button>Edit</button>
3	Test Customer	CQU Uni Building Melbourne	Default	2024-06-14 to 2024-07-15 Expired	Yes	<button>Delete</button> <button>Edit</button>
24	Minoli	St Kilda Junction	More than month	2025-01-01 to 2025-01-31 Future	Yes	<button>Delete</button> <button>Edit</button>
25	Teja	Dandenong Road	More than month	2024-10-02 to 2024-10-31 Active	Yes	<button>Delete</button> <button>Edit</button>
31	Test Customer	CQU Uni Building Melbourne	Default	2024-12-06 to 2024-12-11 Future	Yes	<button>Delete</button> <button>Edit</button>
34	Akila Wijesinghe	Docklands Junction VIC	Default	2024-09-18 to 2024-09-25 Expired	Yes	<button>Delete</button> <button>Edit</button>

**Add Booking**

Billboard	Select Billboard			
Customer	Select Customer			
Date Range				
1	Price	Select date range first		
3	Active	Yes		
24				
25	Teja	Dandenong Road	More than month	Active
31	Test Customer	CQU Uni Building Melbourne	Default	2024-12-06 to 2024-12-11 Future
34	Akila Wijesinghe	Docklands Junction VIC	Default	2024-09-18 to 2024-09-25 Expired

**Add Booking**

Billboard	St Kilda Junction	
Customer		
Date Range	01/01/2025 - 01/31/2025	
1	Price	More than month
3	Active	Yes
24	Price per day:	\$500.00
25	Total days:	31
25	Discount:	10%
25	Total price before discount:	\$15500.00
25	Discount amount:	\$1550.00
31	Final price after discount:	\$13950.00

**Delete Booking**

Are you sure you want to delete this booking?

ID	CUSTOMER	BILLBOARD	PRICE PACKAGE	DATE RANG	ACTIVE	ACTIONS
1	Test Customer	CQU Uni Building Melbourne	Updated Package	2024-08-22 to 2024-08-30 Expired	Yes	Delete Edit
3	Test Customer	CQU Uni Building Melbourne	Default	2024-06-14 to 2024-07-15 Expired	Yes	Delete Edit
24	Minoli	St Kilda Junction	More than month	2025-01-01 to 2025-01-31 Future	Yes	Delete Edit
25	Teja	Dandenong Road	More than month	2024-10-02 to 2024-10-31 Active	Yes	Delete Edit
31	Test Customer	CQU Uni Building Melbourne	Default	2024-12-06 to 2024-12-11 Future	Yes	Delete Edit
34	Akila Wijesinghe	Docklands Junction VIC	Default	2024-09-18 to 2024-09-25 Expired	Yes	Delete Edit

# My Ads

## 1. Access the Advertisements Screen:

- Navigate to the **My Ads** section from the main menu.
- This screen displays a table listing all bookings.

The screenshot shows the 'Bookings' table within the 'Advertisements' screen. The table has columns for ID, CUSTOMER, BILLBOARD, and DATE RANGE. The data includes:

ID	CUSTOMER	BILLBOARD	DATE RANGE
1	Test Customer	CQU Uni Building Melbourne	2024-08-22 to 2024-08-30 Expired
3	Test Customer	CQU Uni Building Melbourne	2024-06-14 to 2024-07-15 Expired
24	Minoli	St Kilda Junction	2025-01-01 to 2025-01-31 Expired
25	Teja	Dandenong Road	2024-10-02 to 2024-10-31 Ongoing

## 2. View Bookings:

- The table includes booking details such as **Booking ID, Customer Name, Billboard, and Date Range**.
- Each row in the table represents a distinct booking, showing the relevant information at a glance.

The screenshot shows the 'Bookings' table within the 'Advertisements' screen. The table has columns for ID, CUSTOMER, BILLBOARD, and DATE RANGE. The data includes:

ID	CUSTOMER	BILLBOARD	DATE RANGE
1	Test Customer	CQU Uni Building Melbourne	2024-08-22 to 2024-08-30 Expired
3	Test Customer	CQU Uni Building Melbourne	2024-06-14 to 2024-07-15 Expired
24	Minoli	St Kilda Junction	2025-01-01 to 2025-01-31 Expired
25	Teja	Dandenong Road	2024-10-02 to 2024-10-31 Ongoing

### 3. Add Advertisement Content:

- To add advertisement content to a booking, click on the desired row in the table.
- A pop-up or a new section will open, allowing the admin to upload the advertisement video.
- Once the advertisement is added, it will be linked to that booking and scheduled accordingly.

The screenshot shows the TRBAS software interface. On the left, a dark sidebar menu includes options like Dashboard, Billboards, Locations, Bookings, Advertisements (which is selected), Customers, Price Packages, Users, and Reports. The main content area has a header "Advertisement". It contains two tables: "Bookings" and "Advertisements".

**Bookings Table:**

ID	CUSTOMER	BILLBOARD	DATE RANGE
1	Test Customer	CQU Uni Building Melbourne	2024-08-22 to 2024-08-30 Expired
3	Test Customer	CQU Uni Building Melbourne	2024-06-14 to 2024-07-15 Expired
24	Minoli	St Kilda Junction	2025-01-01 to 2025-01-31 Expired
25	Teja	Dandenong Road	2024-10-02 to 2024-10-31 Ongoing

**Advertisements Table:**

ID	URL	ACTIONS
No Advertisements		

On the right, there is a section for uploading videos with a placeholder message: "Upload Video (MP4, MOV, AVI, MPEG4, FLV, 3GPP, 15 seconds max, 10MB max)" and a dashed box for file uploads with the instruction "Drop files here to upload".

## Ad Exposure Report

1. Go to the Reports section and select Ad Exposure Report.
2. Set the From Date and To Date fields to define the date range.
3. Click Search to view exposure metrics for each billboard.

The screenshot shows the CC TRBAS software interface. On the left is a dark sidebar with navigation options: Dashboard, My Bookings, My Ads, Reports (selected), Ad Exposure (selected under Reports), and Ad Scheduling. The main area is titled "Ad Exposure Report". It features two date input fields: "From Date" set to "10 / 02 / 2024" and "To Date" set to "10 / 02 / 2024". A blue "Search" button is located to the right of the date fields. At the bottom of the main area, a title reads "Ad Performance Report - uditha" followed by "From Date: 2024-10-02 To Date: 2024-10-02". Below this is a table with four columns: "#", "Billboard", "Booking", and "Total Vehicle Count".

## Ad Scheduling Report

1. Go to the Reports section and select Ad Scheduling Report.
2. The report will automatically generate when you click on the ad scheduling report.

The screenshot shows the CC TRBAS software interface. On the left is a dark sidebar with navigation options: Dashboard, My Bookings, My Ads, Reports (selected), Ad Exposure (selected under Reports), and Ad Scheduling. The main area is titled "Ad Scheduling Report". It features a table with six columns: "#", "Booking ID", "Billboard", "From and To Date", "Ad Videos", and "Status".