



MSc Software Engineering (Conversion)
7SENG013W Software Development Project

User Guide Document -

BusBuzz

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BusBuzz Team



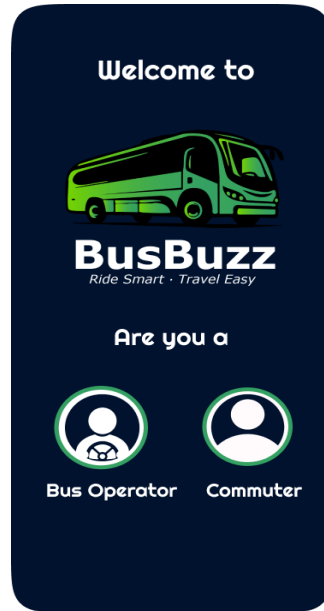
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This guide is designed for users who wish to familiarize themselves with the application and gain a comprehensive understanding of its features. It provides step-by-step instructions and explanations to help you navigate the application efficiently and make the most of its functionalities



Getting Started with BusBuzz: Login and Navigation Guide



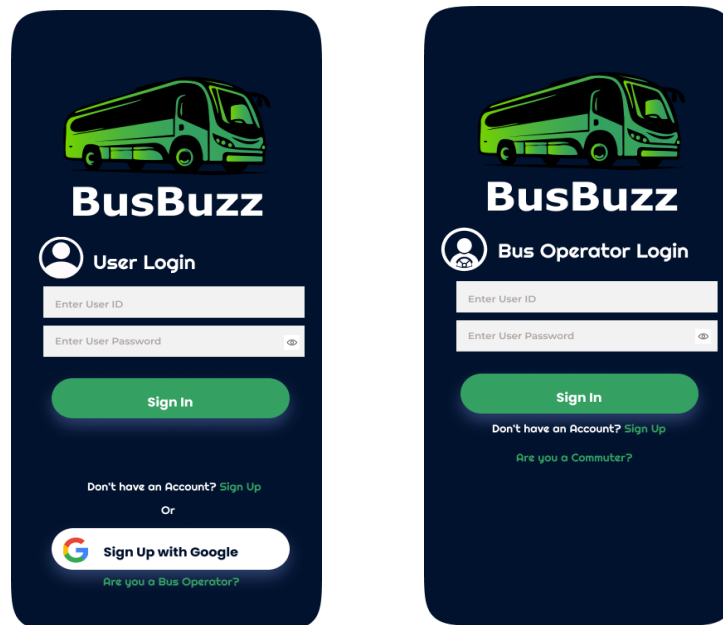
Upon launching the BusBuzz application, users will be greeted with the welcome screen, where they can select their role to proceed.

- **Bus Operator:** Select this option if you are a bus driver. This will give you access to features tailored to schedules, Bus operator map and other bus operator-specific functions.
- **Commuter:** Select this option if you are a passenger. This will allow you to access features designed for users, such as viewing bus schedules, tracking bus locations, ETA etc.

The intuitive interface ensures a seamless transition, allowing you to quickly start using the application based on your role.



Login Screen- BusBuzz Application



After selecting your role (Bus Operator or Commuter) on the Welcome screen, you will be directed to the respective login page. There are two options on this screen:

1. User Login

- Enter User ID: Type your registered User ID in the field provided.
- Enter User Password: Input your password associated with your account.
- Sign In: Click the "Sign In" button to access your account.

2. Bus Operator Login

- Enter User ID: Type your registered User ID for the Bus Operator account.
- Enter User Password: Input your password for the Bus Operator account.
- Sign In: Click the "Sign In" button to access your Bus Operator features.

If you do not have an account, you can choose to Sign Up by clicking the "Sign Up" button located under the login form.

- Alternatively, you can Sign Up with Google by clicking the Google icon to register using your Google account credentials (**only available for Users/commutes**)



Forgot Password and Sign Up Options

- **Don't have an Account?** If you do not have an account yet, click the "**Sign Up**" link to create a new account for either a commuter or bus operator.
- **Are you a Commuter?** If you are logged into the Bus Operator login screen and want to switch to the Commuter login, click the "**Are you a Commuter?**" link to redirect you to the commuter login screen.
- **Are you a Bus Operator?** If you are logged into User login screen and want to switch to the Bus Operator login, click the "**Are you a Bus Operator?**" link to redirect you to the Bus Operator login screen.

Sign Up Screen - Creating an Account

The image displays two mobile application screens for account creation. Both screens have a dark blue background and feature the BusBuzz logo at the top, which includes a green bus icon and the text 'BusBuzz'.

Left Screen: Create User Account

- Fields: Create User ID, Create User Password (with an eye icon for visibility), Confirm User Password (with an eye icon for visibility).
- Buttons: A green 'Sign Up' button and a link 'Already have an Account? Sign In'.

Right Screen: Create Bus Operator Account

- Fields: Enter Email Address, Select Bus Type (dropdown), License plate number, Select Bus Route (dropdown), Create Password (with an eye icon for visibility), Confirm Password (with an eye icon for visibility).
- Buttons: A green 'Sign Up' button and a link 'Already have an Account? Sign In'.

Once you click on **Sign Up** from the login screen, you will be directed to the account creation page. Depending on your role (Commuter or Bus Operator), the details required will vary.

1. Create User Account (Commuter)

- **Create User ID:** Enter a unique User ID for your account. This will be used to log into the application.
- **Create User Password:** Choose a secure password for your account.
- **Confirm User Password:** Re-enter your password to confirm it.



After entering these details, click the Sign-Up button to create your account. You will then be able to sign in with the credentials you've just set.

2. Create Bus Operator Account

If you are registering as a Bus Operator, you will need to provide additional information:

- Enter Email Address: Provide a valid email address for communication and account management.
- Select Bus Type: Choose the type of bus you are operating (e.g., Mini Bus, Standard Bus, etc.).
- License Plate Number: Enter the license plate number of your bus.
- Select Bus Route: Choose the bus route your bus operates on.
- Create Password: Choose a secure password for your Bus Operator account.
- Confirm Password: Re-enter the password to confirm.

Once you have filled in these fields, click the Sign-Up button to create your Bus Operator account.

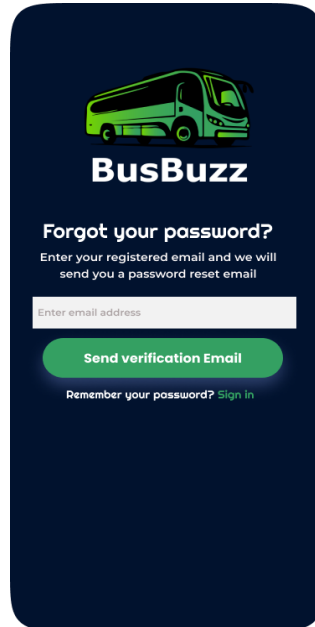
Returning Users

- If you already have an account, click the Sign In link to return to the login page and enter your credentials.



Forgot Password Rest

If you have forgotten your password , click on forgot password to reset your password and you will be navigated to the below screen.



If you've forgotten your password, follow these steps to reset it:

1. Enter Registered Email Address

On the **Forgot Your Password?** screen, enter the email address associated with your account. This should be the email address you used to **sign up**.

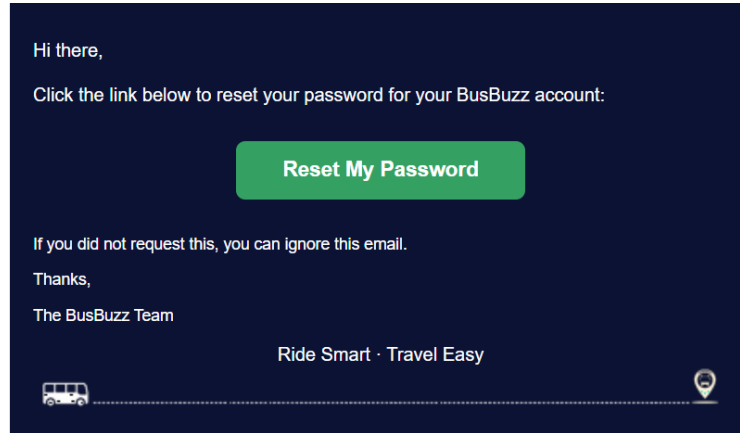
2. Send Verification Email

After entering your email address, click the **Send Verification Email** button. A password reset link will be sent to your registered email inbox.



Email with Reset Link

Once the email is sent, you will receive an email from **BusBuzz** (as shown in the below image) containing a link to reset your password.



- **Reset My Password:** Click the **Reset My Password** button within the email to proceed to the password reset page.

3. Reset Password

After clicking the link, you will be redirected to a page where you can set a new password for your account. Enter your new password and confirm it.

4. Password Updated

After submitting the new password, your account will be updated with the new credentials. You can now log in using your new password.

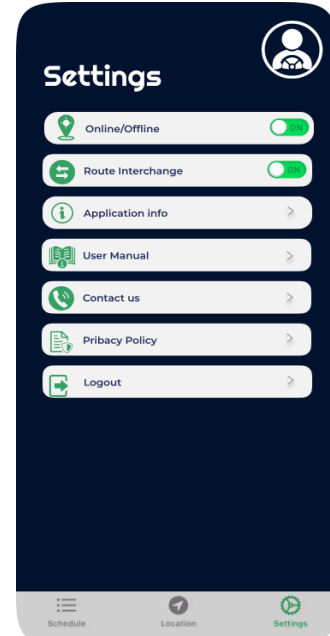
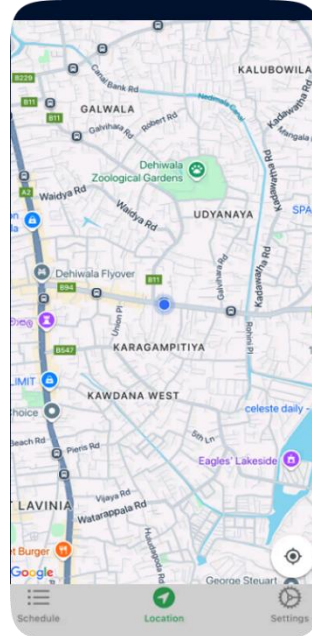
If You Did Not Request a Reset

If you did not request a password reset, you can simply ignore the email. Your password will remain unchanged.



Bus Operator Screens- After Successful Login

Once you successfully log in as a Bus Operator, you will be presented with three main screens: Schedule, Location, and Settings. These screens help you manage your daily tasks effectively.



1. Bus Schedule Screen

The **Bus Schedule** screen displays the scheduled times and routes for your bus. It also shows the current status of each route:

- **Completed** (Red): Shows completed scheduled route trips.
- **In Progress** (Green): Shows current scheduled route trip.
- **Scheduled** (Yellow): Displays upcoming scheduled route trips that have not yet started.

This screen allows you to easily track and manage your day-to-day bus operations, ensuring you stay on schedule.

2. Location Screen

The **Location** screen displays the current location of your bus on the map. It shows your route and helps you visualize your position relative to other buses operating along the same route.

- You will also be able to view the locations of other buses on your route, making it easier to plan and manage inter-operator coordination.



3. Settings Screen

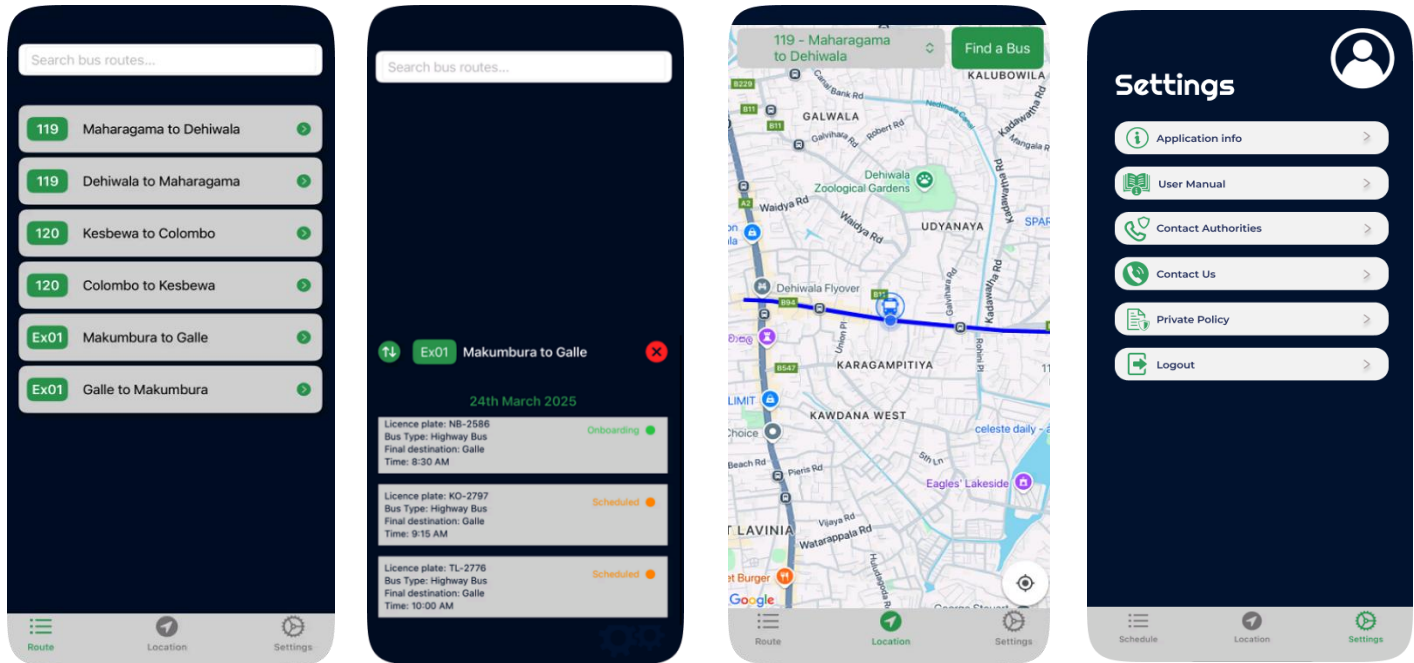
The **Settings** screen provides options for customizing your Bus Operator experience. The following features are available:

- **Online/Offline:** Toggle this setting to control whether your location is visible to passengers. When set to **Offline**, your location will be hidden, allowing you to operate discreetly when necessary.
- **Route Interchange:** Toggle this option on when you are operating in the opposite direction (e.g., from Route B to Route A instead of Route A to Route B). This helps the system know you are traveling in the reverse direction.
- **Application Info:** View the app's version details.
- **User Manual:** Access the user guide for detailed instructions on how to use the BusBuzz app.
- **Contact Us:** Reach out to the support team for any inquiries or issues.
- **Privacy Policy:** Review the privacy policy to understand how your data is handled.
- **Logout:** Securely log out of your account when finished.



Commuter Screens- After Successful Login

Once you log in as a Commuter, you will have access to three main screens: Route, Location, and Settings. These screens allow you to search bus routes, track bus locations, and manage app settings.



1. Route Screen

The Route screen displays all available bus routes, including both regular and highway buses. Here, you can select the routes you are interested in.

- Existing Routes: A list of bus routes is displayed.
- Click on a Route Card: When you tap a route, such as Ex-01 Makumbura to Galle, you will see the bus schedule, including the time and bus details. For highway buses, the schedule and bus information are available, including:
 - License Plate Number
 - Bus Type (e.g., Highway Bus)
 - Scheduled Time to destination
- Search Bus Routes: You can use the search bar at the top to quickly find any bus route by name.



2. Location Screen

The Location screen allows you to view the current location of buses along the selected route. This feature helps you track the buses in real-time and estimate the arrival time.

- **Bus Locations:** A map view shows the location of buses currently operating on the selected route.
- **Estimated Time of Arrival (ETA):** View the ETA for each bus on the route.
- **Bus Details:** Click on any bus icon to see additional details about the bus, such as the route, scheduled time, and license plate.
- **Search Bus Routes:** If you are looking for a specific route, you can search for it by name in the search bar.

3. Settings Screen

The Settings screen provides essential options for managing your Commuter account and app experience. It is divided into various sections to ensure a seamless and user-friendly navigation. The following options are available:

- **Application Info:** View detailed information about the app version and other technical details related to the application.
- **User Manual:** Access the comprehensive user guide to learn more about app features, navigation, and troubleshooting tips.
- **Contact Authorities:** Quickly get in touch with the relevant authorities for any assistance or issues related to your commute.
- **Contact Us:** Reach out to the BusBuzz support team for help with any app-related inquiries or technical issues.
- **Privacy Policy:** Review the privacy policy to understand how your personal data is protected and used within the app.
- **Logout:** Securely log out of your account to ensure the privacy and security of your user information.

This settings screen provides a convenient way for commuters to manage their preferences and access helpful resources.