

# Data Dictionary

Term	Description
Front-end	The front-end refers to the user interface (UI) and user experience (UX) components of our software. It is the part of the system that users directly interact with.
Back-end	The back-end is the behind-the-scenes portion of the system that is not directly accessible to users. It is responsible for storing, processing, and manipulating data, as well as managing the core functionality of the software.
API	An API serves as an intermediary between the front-end and back-end of our software, enabling the transfer of data and requests between these two components. It defines the methods and protocols for communication.
Login details	Login details consist of a unique user ID and an associated password. These credentials are used for user authentication, allowing access to the system.
User ID	A User ID is a unique identifier used for user authentication and recognition within our system. It can be either username or email address.
Username	A username is a user-specific alphanumeric identifier with a defined format, typically chosen by the user during registration. A username must have a minimum of 8 and a maximum of 32 alphanumeric characters.
Email address	An email address serves as a User ID and is another unique identifier with a specific format. It consists of a user-specific name followed by the "@" symbol and a domain name (e.g., "username@example.com"). Email addresses must comply with standard email format guidelines.
OTP	An OTP is a single-use, randomly generated password that serves as a secondary key for verifying the identity of a user. OTPs are typically sent to the user's registered email address and are used for secure login or authentication.
Account	An account is a secure and personalized digital entity within our system that is associated with an individual user. It serves as a container for storing user-specific information, preferences, and activities.
User	A user is any individual who utilizes our system. A user must have successfully logged into the system using their login details to access

	the system features.
Location	Location refers to any name, address, or postal code that is verifiable using Google Maps API.
Distance	Distance refers to linear distance within our system.
Route	A route is a planned path or course that is taken or followed to reach a specific destination or travel from one location to another.