PREREQUISITES

Before setting up TRANXIT, we need the server to have the following prerequisite softwares or frameworks in your server to build a conceivable environment.

1. LAMP Stack:

    The server environment should have Linux Operating System with Apache Server and MySQL database, PHP server scripting language.

    The following are the compatible versions of the LAMP stack
    a. Linux - Ubuntu - 14.04 or 16.04 (LTS is Preferred) or Equivalent
    b. Apache >= 2.4.25
    c. MySQL >= 5.7
    d. PHP >= 7

    Additional PHP Modules required.
    1. OpenSSL PHP Extension
    2. PDO PHP Extension
    3. Mbstring PHP Extension
    4. Tokenizer PHP Extension
    5. XML PHP Extension

    Apache modules
    1. Rewrite Module

2. Node.js :

    Source to download Node.js: https://nodejs.org/en

3. Domain Name:

    It is recommended that you get a domain name and an SSL certificate for the same for our application to work with full functionality.

4. SSL Certificate:

    To maintain compatibility of the application across the web app along with live tracking you need to have SSL certificate to fetch the user location from the browser.

5. Composer:

Composer is required to download the dependencies for the application.

INSTALLATION

1. Unzip the code in the server.
2. Set the following permissions
   a. sudo chgrp -R www-data storage bootstrap/cache public
   b. sudo chmod -R ug+rwx storage bootstrap/cache public
   To the following folders
   c. ./bootstrap
   d. ./storage
   e. ./public
3. Now edit the .env file in tranxit folder

   DB_HOST = localhost (Provide Database host URL here)
   DB_PORT = 3306 (Provide Database port here)
   DB_DATABASE = xuber (Provide the Database name from step-5)
   DB_USERNAME = root (Database username)
   DB_PASSWORD = (Database password)

   SOCKET_SERVER= The URL of the Node.js server (e.g.http://tranxit.co:3000)

   For mail delivery integration using gmail, If you use other mail
   providers, please get the details below by contacting them
   MAIL_DRIVER = smtp
   MAIL_HOST = smtp.gmail.com
   MAIL_PORT = 587
   MAIL_USERNAME = (Provide your gmail username)
   MAIL_PASSWORD = (Provide your gmail password)
   MAIL_ENCRYPTION = tls

   For Paypal payment integration to receive payments from users,
   PAYPAL_CLIENT_ID = your_paypal_client_id
   PAYPAL_SECRET = your_paypal_secret

   To integrate Google Maps in the app you'll have to create an API key
   GOOGLE_API_KEY = your_google_maps_api_key

4. Run the following commands to complete setup
   a. composer install

b. npm install
c. php artisan key:generate
d. php artisan migrate --seed
e. php artisan storage:link
f. php artisan passport:install

5. Configure virtual hosts to direct to the subdirectory public inside the application
    Reference:
https://www.digitalocean.com/community/tutorials/how-to-set-up-apache-virtual-hosts-on-ubuntu-14-04-lts
6. Configure SSL certificate for getting location in browser.
    Reference:
https://www.digitalocean.com/community/tutorials/how-to-install-an-ssl-certificate-from-a-commercial-certificate-authority
7. Set up Node.js app to listen on the web socket using the following commands
    a. npm install -g pm2
    b. pm2 start server.js --name="Tranxit"
8. By now the application should be live and ready for testing.
9. You can reach the admin panel from this URL yourdomain.com/admin/login
    a. Default admin credentials are
        Username: admin@tranxit.com
        Password: 123456
10. You'll also have demo accounts to access the user and provider panels, which you might
    like to disable while moving the application to production
    a. Default user and provider credentials are
        Username: demo@appoets.com
        Password: 123456