

---

# Quotation / Proposal for Army Toll Tax Manager Application

---

## Project Title:

Army Toll Tax Manager - Desktop Application

## Technology Stack:

- Electron.js (v37+)
- Better-SQLite3 for local database storage
- HTML5, CSS3, Vanilla JavaScript
- XLSX.js for Excel export

---

## Application Modules & Features

### 1. Login System

- User login authentication against **users table** in SQLite.
- Pre-inserted default users:
  - `admin / admin`
  - `tollstaff1 / password123`
  - `tollstaff2` to `tollstaff10`

- Secure login form with username/password fields.
  - Logged-in username displayed on Dashboard and Ticket Entry tab.
  - Logout option available in dashboard panel.
- 

## 2. Ticket Entry Module

- Auto-generated **Ticket No.** (incremental)
- Fields:
  - **Vehicle Number** (text) - Mandatory
  - **Scheme** (dropdown: **One Way** / **Two Way** — default: One Way) - Optional
  - **Vehicle Type** (dropdown: **Car**, **Truck**, **Heavy**, **Private**) - Mandatory
  - **No. of Passengers** (number input, cannot go below 0) - Optional
  - **Is Government** (dropdown: **Yes** / **No** — default: No) - Optional
  - **Name** (text) - Optional
  - **Document** (text) - Optional
  - **Document ID** (text) - Optional
- Tax Calculations:
  - **Vehicle Tax** based on selected Vehicle Type.
  - **Passenger Tax**: **No. of Passengers** × ₹1 (One Way) or × ₹2 (Two Way)
  - **Parking Tax** applied for selected vehicle types only.
  - If **Is Govt** is Yes — all taxes are zero.
- **Total Tax** auto-calculated.

- **Print & Save** button:
    - Saves record in database.
    - Opens thermal-print-ready preview window with formatted receipt.
    - Receipt displays:
      - Ticket No, Vehicle No, Scheme, Vehicle Type, Passengers, Vehicle Tax, Passenger Tax, Parking Tax, Total Tax, and Date/Time.
    - Clears form after print.
- 



### 3. Dashboard (Complementary from my side) - No Charges

- Shows real-time summary panels:
    - **Tickets Today**
    - **Tax Collected Today**
    - **Top Vehicle Type Today**
    - **Logged-in User**
  - Clean, light-themed UI with icon-enhanced statistic cards.
  - Logout button included in dashboard.
- 



### 4. Ticket History

- Table showing:
  - Ticket No, Vehicle No, Scheme, Vehicle Type, Passengers, Vehicle Tax, Passenger Tax, Parking Tax, Total Tax, Created By, Date/Time.
- Features:
  - Search bar for live filtering by vehicle no, date, created by, type.

- Date range filters (**F**rom and **T**o) — max date not exceeding today.
  - **Reset** button to clear search fields.
  - **Export** button to download displayed records to Excel.
  - Displays **total tax value** at table footer.
  - Fixed table header with vertical scroll enabled.
- 



## Other Features

- Custom background image behind login and main screens.
  - App icon customized for **Army Toll Tax** (blue theme).
  - Clean, modern responsive UI.
  - All data stored locally in SQLite file.
  - App packaged for Windows platform using Electron Builder.
- 



## Database Schema

### Tables:

- **users**
    - id, username, password
  - **transactions**
    - ticket\_no, vehicle\_number, scheme, vehicle\_type, passengers, is\_govt, name, document, document\_id, vehicle\_tax, passenger\_tax, parking\_tax, total\_tax, created\_by, date\_time
-

# **Post-Delivery Support**

## **1. Free Support Period:**

A complimentary support period of **30 days** from the date of final delivery. During this period:

- Bug fixes and technical issues will be addressed at no additional cost.
- Minor UI adjustments (if necessary) based on client feedback will be accommodated.

## **2. Support Scope:**

Support includes:

- Assistance with installation and configuration.
- Bug rectification for existing features.
- Minor database adjustments (no structural changes).
- Clarifications and operational guidance.

## **3. Exclusions:**

Post-delivery support does not cover:

- New feature requests or major UI/UX revamps.
- Integration with third-party services not included in the original scope.
- OS-specific compatibility changes for future operating system versions.

## **4. Extended Support:**

After the free 30-day period, support can be extended at ₹500/hour or via a monthly maintenance plan upon request.

---

## Questions & Clarifications Required

Before proceeding with final adjustments, kindly confirm the following details:

---

### ◆ 1 Vehicle Type List

Please confirm the complete list of vehicle types and their corresponding **Vehicle Tax** and **Parking Tax** values.

**Example (current assumed values):**

Vehicle Type	Vehicle Tax (INR)	Parking Tax (INR)
Car	100	20
Truck	200	20
Heavy	300	20
Bus	400	20
Private	0	0

 **Would you like to modify/add any other vehicle types or tax values?**

---

## ◆ 2 Scheme List

Currently, two schemes are provided:

- **One Way** — normal tax calculation
- **Two Way** — doubles **Passenger Tax**

👉 Do you want to add any additional schemes (like Monthly Pass, Return Trip, etc.) in future scope?

---

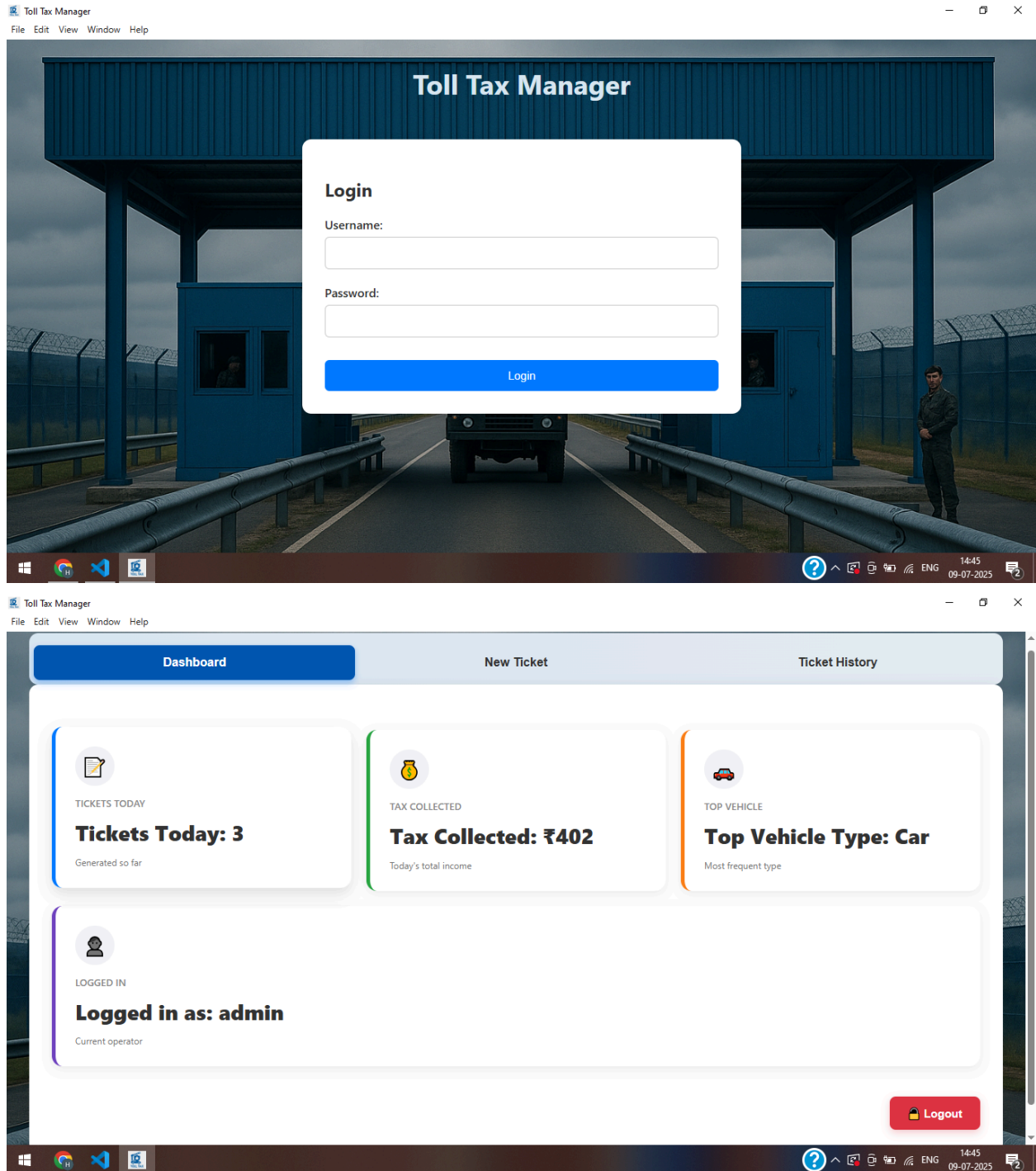
## ◆ 3 Application Name

Please confirm the finalized name you'd like displayed:

- On the app title bar
- In the thermal receipt print header
- On dashboard and print preview windows
- And optionally in the app icon's tooltip

👉 Current assumed name: **Toll Tax Manager**  
Would you like to update or customize this?

# Screenshots:





Toll Tax Manager

File Edit View Window Help

Dashboard

New Ticket

Ticket History

Search Vehicle/ Date/ Created By/ Type

Search

From: dd-mm-yyyy

To: dd-mm-yyyy

Filter

Reset

Export

Ticket ID	Vehicle No.	Scheme	Type	Passenger	Vehicle Tax(₹)	Passenger Tax(₹)	Parking Tax(₹)	Total Tax(₹)	Created By	Date
3	8978	One Way	Car	10	100	10	20	₹130	tollstaff1	7/9/2025, 2:12:58 PM
2	9898	Two Way	Car	10	100	20	20	₹140	admin	7/9/2025, 2:03:33 PM
1	1213	One Way	Car	12	100	12	20	₹132	admin	7/9/2025, 1:40:29 PM
								TOTAL: ₹402		

Windows Taskbar

System Tray

Toll Tax Manager

File Edit View Window Help

Dashboard

New Ticket

Ticket History

Ticket No:  
4

Date:  
Wed Jul 09 2025

Vehicle Number:\*

Is Government?:

No

Vehicle Tax (₹):

Scheme:\*

One Way

Name:

Passenger Tax (₹):

Vehicle Type:\*

Select Type

Document:

Parking Tax (₹):

0

Passenger:

0

Document ID:

Total Tax (₹):

Print & Save

Windows Taskbar

System Tray

