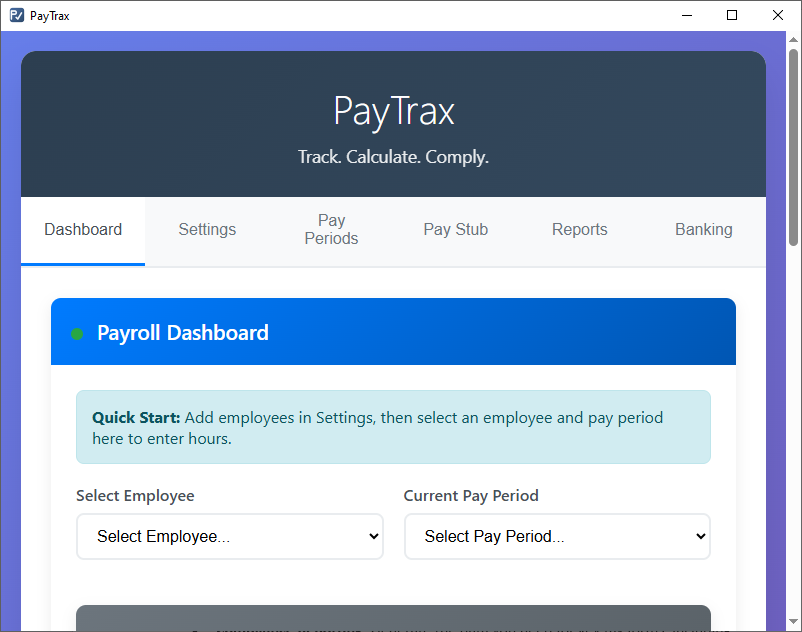
**PayTrax: Client-Side Payroll Management**

**Track. Calculate. Comply.**

PayTrax is a standalone, browser-based payroll management system designed for small businesses and solo entrepreneurs. It operates entirely on the client-side, meaning it doesn't require a server or an internet connection after the initial page load. All your sensitive payroll data is stored securely and privately in your own browser, giving you complete control.

This application was built entirely by Gemini 2.5 Pro to demonstrate a robust, modular, and data-persistent web application using only HTML, CSS, and vanilla JavaScript.



**Key Features**

* **Dynamic Payroll Dashboard:** Enter hours for employees and see gross pay, net pay, and total payroll costs calculated in real-time.
* **Comprehensive Settings:** Configure company details, pay frequencies, tax rates, and employee information all in one place.
* **Employee Management:** Easily add, edit, and manage your employees, including their pay rates, tax withholding, and PTO balances.
* **Pay Stub Generation:** Create professional, detailed, and printable pay stubs for any employee and any pay period.
* **Compliance Reporting:** Generate the data you need for key tax forms, including:
  + Tax Deposit Schedules
  + Annual W-2 Data
  + Quarterly IRS Form 941 Data
  + Annual IRS Form 940 Data
  + Custom date-range reports for wages and employer expenses.
* **Integrated Bank Register:** Track payroll debits automatically and manage other transactions in a simple bank ledger to monitor your cash flow.
* **Data Portability:** Securely export your entire application data to a JSON file for backup and import it just as easily.
* **100% Client-Side & Private:** Your data never leaves your computer. PayTrax uses your browser's IndexedDB for robust and private local storage.

**How It Works (Technical Overview)**

PayTrax is built with a modern, modular architecture without relying on any external frameworks.

* **Vanilla JavaScript (ES Modules):** The code is logically separated into modules for state management (state.js), business logic (logic.js), UI rendering (ui.js), and data persistence (db.js), making it clean and maintainable.
* **Single State Object:** The entire application's state is managed in a single appData object, providing a single source of truth for all calculations and UI updates.
* **IndexedDB Persistence:** PayTrax uses the browser's IndexedDB to reliably store all application data. It includes a graceful fallback to localStorage and a migration path to ensure data integrity.
* **Data Migration:** The import functionality includes a versioning and migration system, allowing data from older versions of the application to be safely imported and updated to the latest structure.

**Getting Started**

Because PayTrax is a fully client-side application, getting started is incredibly simple.

1. **Clone the repository:**
2. git clone [https://github.com/greenwh/PayTrax.git](https://github.com/greenwh/PayTrax.git)
3. **Navigate to the directory:**
4. cd PayTrax
5. **Open the application:** A simple server is required (see start\_paytrax\_server.bat) if the application is not installed using a distribution. Simply open the PayTrax.html file in your preferred web browser (like Chrome, Firefox, or Edge). That's it!

**Basic Usage Workflow**

1. Navigate to the **Settings** tab. Fill out your Company Settings, Tax Settings, and add your first employee in the Employee Management section.
2. Go to the **Dashboard** tab.
3. Select the employee you just created from the dropdown menu.
4. Select a pay period and enter the hours worked.
5. All calculations will update instantly. You can then generate a pay stub or view the updated reports.

**Contributing**

Contributions are welcome! If you'd like to help improve PayTrax, please fork the repository and submit a pull request with your changes.

**License**

This project is open-source and available under the [MIT License](https://www.google.com/search?q=LICENSE).