# Wireframe Document

## Money Laundering Prevention System

Written By: Mukul Palmia

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## Introduction

This wireframe document provides a structured visual representation of the Money Laundering Prevention System (MLPS) user interface (UI). It serves as a blueprint to guide the development team in building an intuitive and efficient application for transaction monitoring.

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## User Interface Screens

**1. Overview**
The Money Laundering Prevention System is designed to allow users to input transaction details and analyze them for potential fraudulent activity.
**2. Goals**

- Provide a clear and user-friendly interface for entering transaction details.
- Enable users to input key information related to transactions.
- Offer a mechanism for model training and fraud detection.

**3. Target Audience**

- Compliance officers
- Financial analysts
- Law enforcement personnel

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## Wireframes

**1. Main Input Screen**
**Description:**
This is the primary screen where users input transaction details and submit them for fraud detection.
**Layout:**

- **Header:**
    - "iNeuron" logo
    - "Money Laundering Prevention System" (Title)
- **Navigation Panel (Left Sidebar):**
    - "Select Prediction Type" section with radio buttons:
        - **Prediction from Form** (selected by default)
        - **Batch Prediction**
    - "Train Model" button
- **Transaction Input Form (Main Panel):**
    - **Source ID** (Numeric Input Field with Increment/Decrement Buttons)
        - Example: "44604"
    - **Destination ID** (Numeric Input Field with Increment/Decrement Buttons)
        - Example: "7869"
    - **Amount of Money** (Numeric Input Field)
        - Example: "59999"

    - **Transaction Month** (Numeric Input Field with Increment/Decrement Buttons)
        - Example: "3"
    - **Type of Action** (Dropdown Menu)
        - Example: "cash-in"
    - **Type of Fraud** (Dropdown Menu)
        - Example: "type1"
    - **Submit Button**
- **Footer:**
    - Message: "Submit the form to get predictions."

**Annotations:**

- Input fields for IDs and Amount should include validation.
- Dropdowns should be populated with relevant transaction actions and fraud types.
- Submit button triggers fraud detection processing.
- Navigation panel allows users to train models or switch between prediction modes.

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## User Flow

1. The user accesses the "Money Laundering Prevention System."
2. The user selects "Prediction from Form" or "Batch Prediction."
3. The user fills out the transaction details on the "Main Input Screen."
4. The user clicks the "Submit" button to get predictions.
5. (Optional) The user may train the model using the "Train Model" button.

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## Considerations

- Security: Ensure proper data encryption and access control.
- User Experience: Maintain a minimalistic and responsive UI.
- Performance: Optimize system processing time.
- Scalability: Ensure the system can handle a high volume of transactions.

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## Future Enhancements

- Implement real-time transaction monitoring.
- Integrate with external APIs and financial databases.
- Develop machine learning models for fraud detection.
- Add reporting and audit trail features.