

# **SecurePay User Guide**

## **Introduction**

SecurePay is a secure and user-friendly payment platform designed to provide seamless transactions with advanced authentication and security mechanisms. This guide outlines the authentication process, security features, and how to navigate through the SecurePay website.

## **Table of Contents**

- 1. Sign-Up Process**
  - 2. Login Process**
  - 3. Multi-Factor Authentication (MFA) Setup**
  - 4. Fast Login Methods**
  - 5. Behavioral Biometrics System**
  - 6. Login Alerts & Device Management**
  - 7. SecurePay Website Walkthrough**
  - 8. Security & Account Settings**
  - 9. Links & Support**
- 

## **1. Sign-Up Process**

- 1. Click Sign Up in the navbar.**
  - 2. Enter your email and create a secure password.**
  - 3. Enable Multi-Factor Authentication (MFA):**
    - Scan a QR code using an authenticator app.
    - Enter the generated OTP for verification.
  - 4. Receive a recovery code and store it safely.**
  - 5. Choose a Fast Login Method:**
    - Windows Hello: Biometric/PIN-based authentication.
    - Google Password Manager: Passkey stored in your Gmail account, secured by a 6-character PIN.
  - 6. After authentication setup, your account is ready.**
- 

## **2. Login Process**

### **Returning User on the Same Device:**

- If Fast Login is enabled, use biometrics or a saved passkey.
- If logging in with a password, MFA is not required for low-risk logins.

#### Logging in on a New Device:

1. Enter email and password.
2. Context-Aware Authentication evaluates risk based on device, location, and IP address.
3. Authentication Scenarios:
  - Low Risk: Direct login.
  - Medium/High Risk: Additional MFA required (OTP, email verification, recovery code, or biometrics/PIN).
  - New Device & Google Passkey: Available only when logged into the same Gmail account.

#### Continue with Google Option:

- If selected during signup, MFA is still required for first-time login.
  - If logging in from an unknown location/device, additional MFA verification is required.
- 

### 3. Multi-Factor Authentication (MFA) Setup

1. Scan QR code using an authenticator app.
  2. Backup Recovery Codes are provided.
  3. Additional MFA methods available:
    - Email Verification
    - OTP Authentication
    - Biometric Authentication
    - Secure PIN Entry
- 

### 4. Fast Login Methods

- Windows Hello: Uses device-specific biometric authentication or PIN.
  - Google Password Manager: Stores a passkey secured by a 6-character PIN.
- 

### 5. Behavioral Biometrics System

SecurePay uses AI-driven behavioral biometrics to enhance security by analyzing:

- Keystroke dynamics
- Mouse movements & touch interactions
- Typing speed & patterns

Security Response Based on Anomaly Score:

Anomaly Score	Action Taken
Low	No additional action.
Medium	Additional biometric verification required.
High	MFA + Biometric authentication required.
Multiple Anomalies Account locked; forced logout.	

---

## 6. Login Alerts & Device Management

### Login Alerts:

- Users receive email notifications for logins from a new device or location.

### Device Management:

- Users can view active sessions and remotely log out from unrecognized devices.
- 

## 7. SecurePay Website Walkthrough

### Dashboard

- Provides a snapshot of your account activity and quick access to features.

### Transactions

- View past transactions with details including date, amount, and payment method.

### Settings

- Change Password securely.
- Manage Devices and log out from unwanted sessions.

### Make a Payment

1. Click Make a Payment in the navbar.
  2. Enter the recipient's bank details or UPI ID.
  3. SecurePay processes payments securely using Stripe.
  4. Confirm and authorize the payment.
  5. Receive a transaction confirmation.
- 

## 8. Security & Account Settings


- Users can change their password and manage authentication preferences.
  - Ability to log out from all sessions in case of suspicious activity.
-

## 9. Links

-  GitHub Repository: [SecurePay GitHub](https://github.com/Coder-Rohan24/Finfiesta_hackathon) ([https://github.com/Coder-Rohan24/Finfiesta\\_hackathon](https://github.com/Coder-Rohan24/Finfiesta_hackathon))
  -  Live Demo: [SecurePay Live](https://finfiesta-hackathon.vercel.app/) (<https://finfiesta-hackathon.vercel.app/>)
- 

## Conclusion

SecurePay provides a robust authentication system with context-aware security, behavioral biometrics, and adaptive MFA. With Stripe integration, SecurePay ensures a safe and seamless transaction experience. For any issues or queries, please contact SecurePay Support.

 Thank you for choosing SecurePay!