**Payment Engine**

**1. Unused Code:**

**A). paymentTemplateGenerator.ts**

* **Lines 14-17**: PaymentOption interface is defined but never used in the codebase

typescript

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  export interface PaymentOption {

    id: string;name: string;icon: LucideIcon | (() => JSX.Element);enabled: boolean;

  }

**Recommendation**: Delete this interface as it's superseded by the hardcoded paymentProviders array.

* **Lines 48-380**: Multiple unused callback props in PaymentTemplateSelectorProps interface:

typescript

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  onPaymentSuccess?: (userData: any) => void;

  onLoginSuccess?: (userData: any) => void;

  onSignupSuccess?: (userData: any) => void;

  onResetSuccess?: () => void;

**Recommendation**: Remove these callbacks as they're never called in the implementation.

**B). PaymentTemplateSelector.tsx**

* **Lines 20-85**: Unused payment provider icons

typescript

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  const paymentProviders = [

*// ... large SVG icon definitions*

  ];

**Recommendation**: The paymentProviders array is defined but never used in the component. Either utilize it for provider selection or remove it.

* **Lines 180-220**: Unused message handling code:

typescript

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  if (event.data.type === 'toggle\_autosave') {

    const autoSaveButtons = document.querySelectorAll('[data-autosave-button="true"]');

*// ... unused autosave handling*

  }

**Recommendation**: Remove the autosave message handling as it's not integrated with any actual functionality.

**C). utils/SaveButton.tsx**

* **Lines 300-433**: Multiple unused utility functions:

typescript

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  const handleAutoSave = () => { ... }

  const handleManualSave = () => { ... }

**Recommendation**: These functions are defined but never called. Remove them if auto-save functionality isn't implemented.

**2. Unwanted Pages:**

**A). Payment Flow Pages**

* **File: paymentTemplateGenerator.ts**
* **Lines 450-500**: Unused payment flow templates:

typescript

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    else if (paymentType === "dashboard") { ... }

    else if (paymentType === "payment\_success") { ... }

    else if (paymentType === "payment\_failure") { ... }

These templates are generated but have no corresponding routes or navigation links in the application.**Recommendation**: Either implement the navigation to these pages or remove the unused templates.

**B). Template Preview Pages**

* **File: templates/ClerkStyleTemplate.tsx**
* The entire file (631 lines) appears to be a template that's never rendered or used in the current payment flow.

**Recommendation**: Remove this template file if it's not part of the active payment UI.

**3. Deprecated & Unused Features:**

**A). Payment Provider Integration**

* **File: paymentTemplateGenerator.ts**
* **Lines 280-350**: Commented-out Stripe integration code:

typescript

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*// For demonstration, we redirect to a test Stripe checkout page*

    setTimeout(() => {

*// Redirect to the test Stripe checkout page*

      const testDomain = 'buy.stripe.com';

      const testPath = 'test\_7sIeVv1at530a3e3cc'; *// This is a test path for demonstration*

*// ...*

This code uses hardcoded test values and setTimeout, indicating it's a temporary implementation.**Recommendation**: Replace with proper Stripe integration or remove if not needed.

* **Lines 380-450**: Razorpay integration code contains multiple TODO comments and console.log statements:

typescript

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*// Script loading would happen here in a real app*

*// For demo, let's simulate a delay and open in a new tab*

**Recommendation**: Implement proper Razorpay integration or remove placeholder code.

**B). Feature Flags**

* **File: PaymentTemplateSelector.tsx**
* **Lines 90-95**: Unused feature flags in provider configuration:

typescript

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    enabled: false, *// All providers are marked as disabled*

**Recommendation**: Either implement provider enablement logic or remove the unused flag.

**4.Summary and Recommendations:**

**Immediate Deletions:**

1. Remove unused interfaces and types:

* Delete PaymentOption interface
* Remove unused callback props from PaymentTemplateSelectorProps

1. Remove unused UI components:

* Delete ClerkStyleTemplate.tsx if not part of active development
* Remove unused payment flow templates if not planned for immediate implementation