

Replit Implementation Prompt: Dual Renderer Setup

Copy this into Replit to implement both rendering options.

PROMPT START

Add dual rendering capability to the PCBancard Proposal Generator. The agent should be able to choose between:

1. **Replit Native** - Generate DOCX/PDF locally using docx-js
2. **Gamma API** - Generate polished presentations via Gamma's API

STEP 1: Add Environment Variable

The Gamma API key has been uploaded. Add to your .env:

```
GAMMA_API_KEY=sk-gamma-xxxxxxxx
```

STEP 2: Create Renderer Selection UI

Add a toggle/selector to the proposal form that lets the agent choose:

OUTPUT METHOD

 Replit

Native

- Fast
- Editable
- DOCX/PDF

 Gamma

Presentation

- Beautiful
- Animated
- PDF/PPTX

Format: [PDF ▼]

STEP 3: Implement Gamma API Integration

Create a Gamma renderer that:

1. Takes the Claude-generated proposal blueprint
2. Formats it as structured text with `\n---\n` card breaks
3. POSTs to `https://public-api.gamma.app/v1.0/generations`
4. Polls `GET /generations/{id}` until status is "completed"
5. Downloads the PDF/PPTX from the returned URL
6. Stores locally and returns download link to agent

Key API details:

- Header: `X-API-KEY: sk-gamma-xxxxxxxx` (NOT Bearer token)
- Include `"exportAs": "pdf"` or `"pptx"` to get downloadable file
- Download URL expires - save the file immediately when generation completes

Sample POST body:

```
{  
  "inputText": "# Slide 1 Title\nContent...\n\n---\n\n# Slide 2 Title\nContent...  
  "format": "presentation",  
  "numCards": 8,  
  "themeId": "Professional",  
  "exportAs": "pdf",  
  "cardOptions": {  
    "dimensions": "16x9"  
  },  
  "contentOptions": {  
    "textDensity": "medium"  
  }  
}
```

STEP 4: Add Fallback Logic

If Gamma fails (API down, out of credits, timeout), automatically fall back to Replit Native:

```
try {  
  if (selectedRenderer === 'gamma') {  
    result = await gammaRenderer.generate(blueprint, options);  
  } else {  
    // Replit Native logic  
  }  
}
```

```

    } else {
      result = await nativeRenderer.generate(blueprint, options);
    }
  } catch (error) {
    console.warn(`#${selectedRenderer} failed, falling back...`);

    // Try the other renderer
    if (selectedRenderer === 'gamma') {
      result = await nativeRenderer.generate(blueprint, options);
      result.fallback = true;
      result.fallbackReason = error.message;
    }
  }
}

```

STEP 5: Update Results Display

Show which renderer was used and provide appropriate download options:

For Gamma:

- Download PDF button
- Download PPTX button (if requested)
- “Open in Gamma” link (for editing)
- Show credits remaining

For Replit Native:

- Download PDF button
- Download DOCX button
- No external links needed

If fallback occurred:

- Show message: “Gamma was unavailable, generated with Replit Native instead”

STEP 6: Add Status Indicator

Show renderer availability in the UI:

Renderers:  Replit Native  Gamma (847 credits)

or if Gamma is down:

Renderers:  Replit Native  Gamma (unavailable)

Check Gamma status on page load by calling `GET /themes` endpoint.

STEP 7: Test Both Paths

Create test buttons in dev mode:

[Test Replit Native] [Test Gamma API] [Test Fallback]

Verify:

- Both renderers produce complete proposals
- All numbers match the input data
- PCBancard branding appears (logo, colors)
- Downloads work correctly
- Fallback triggers when Gamma is disabled

EXPECTED BEHAVIOR

Agent Action	Result
Selects Replit + PDF	DOCX generated, converted to PDF, download link shown
Selects Replit + DOCX	DOCX generated directly, download link shown
Selects Gamma + PDF	Gamma generates presentation, PDF downloaded, both Gamma link and download shown
Selects Gamma + PPTX	Same as above but PPTX file
Selects Gamma but API fails	Automatic fallback to Replit Native with notification

PROMPT END

Quick Test Checklist

After implementation, verify:

- Renderer toggle appears in form
- Selecting Replit shows PDF/DOCX format options
- Selecting Gamma shows PDF/PPTX/Link options
- Replit Native generates successfully
- Gamma API connects (check console for auth errors)
- Gamma generation completes (may take 30+ seconds)
- Gamma file downloads to server
- Download links work for agent
- Fallback triggers when Gamma is disabled
- Credits remaining displays after Gamma generation