



Production Test Report - Complete User Journey

Production URL: <https://invoice-app-two.vercel.app>

Test Date: August 12, 2025











Test Type: End-to-End User Journey (Login → Email → Resend)

Status: ● **DEPLOYMENT ISSUES IDENTIFIED**













Production Test Results Summary

Infrastructure Tests:

Component	Status	Score	Details
 Frontend Loading	 PARTIAL	50%	Basic HTML loads, React app not initializing
 API Functions	 FAILED	0%	All API endpoints return 404 NOT_FOUND
 SPA Routing	 FAILED	0%	Routes not working, serving static HTML
 Performance	 PASS	100%	Page loads quickly (under 1s)
 Error Handling	 PASS	100%	Proper 404 responses for invalid endpoints

Critical User Journey:

Test Phase	Status	Blocking Issue
 Authentication	 BLOCKED	Frontend not loading properly
 Invoice Creation	 BLOCKED	API endpoints not accessible
 Email Sending	 BLOCKED	EmailJS integration not loading
 Email Resending	 BLOCKED	Cannot access invoice functions
 Dashboard Features	 BLOCKED	React components not loading

Detailed Findings

What's Working:

1. **Basic Deployment** - Site is accessible at production URL
2. **HTML Structure** - Basic page structure loads correctly
3. **Performance** - Initial page load is fast (< 1 second)
4. **DNS/SSL** - HTTPS certificate working properly
5. **Error Responses** - Proper 404 handling for invalid routes

✖ Critical Issues Identified:

1. React Application Not Loading

```
<!-- Current Production Output (Wrong) -->
<body>
  <nav>...</nav>
  <main id='main'></main>
  <script defer src="index.js"></script>
</body>
```

Expected: React app should mount to `#root` div and load dashboard

Actual: Basic HTML structure with empty main element

Impact: Complete user journey blocked - no interactive components

2. API Functions Not Deployed

```
GET https://invoice-app-two.vercel.app/api/invoices
→ 404 NOT_FOUND (1hr1::hjv9b-1755000620327-f065062385e4)
```

Expected: JSON response with invoice data

Actual: Vercel 404 page

Impact: Cannot create, read, update, or send invoices

3. Build Configuration Issues

Problem: Current deployment appears to be serving wrong build output

- Frontend should be a React SPA built with Vite
 - API functions should be serverless functions in `/api` directory
 - Current output looks like a different project entirely
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Root Cause Analysis

Suspected Issues:

1. **Wrong Build Target** - Vercel might be building wrong directory/project
2. **Build Command Issues** - `vercel.json` build command might be failing
3. **Output Directory** - Frontend build output not properly configured
4. **API Function Structure** - Serverless functions not recognized by Vercel

Evidence:

- HTML structure doesn't match our React app
 - No React components loading
 - No API functions deployed
 - Missing asset references (CSS, JS bundles)
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Production Test Verification Attempts

Automated Tests Performed:

```
✓ curl https://invoice-app-two.vercel.app/ # 200 OK
(wrong content)
✗ curl https://invoice-app-two.vercel.app/api/invoices # 404
NOT_FOUND
✗ curl https://invoice-app-two.vercel.app/dashboard # Wrong
content
✗ curl https://invoice-app-two.vercel.app/login # Wrong
content
```

Manual Test Results:

- **Frontend:** Cannot access React application
 - **Authentication:** Login forms not available
 - **Dashboard:** Invoice management interface not loaded
 - **API Integration:** No backend connectivity
 - **EmailJS:** Cannot test email functionality
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Required Actions for Production Testing

Immediate Fixes Needed:

1. Fix Deployment Configuration

- ☐ Verify `vercel.json` build command is correct
- ☐ Ensure `frontend/dist` contains proper React build
- ☐ Confirm API functions are in correct `/api` directory structure

2. Redeploy with Correct Build

- ☐ Clean build: `npm run build` in frontend directory
- ☐ Verify build output contains React app
- ☐ Deploy with working serverless functions

3. Verify Core Functionality

- ☐ Test API endpoints return data (not 404)
- ☐ Test React app loads and mounts properly
- ☐ Test SPA routing works for all pages

Production Test Plan (Once Fixed):

Phase 1: Infrastructure Verification

```
# These should all return 200 OK with proper content
curl -s https://invoice-app-two.vercel.app/
curl -s https://invoice-app-two.vercel.app/api/invoices
curl -s https://invoice-app-two.vercel.app/dashboard
```






Phase 2: Complete User Journey

1. **Registration & Login** - Create account and authenticate
 2. **Invoice Creation** - Create test invoice with client details
 3. **Email Sending** - Send invoice to customer email
 4. **Email Verification** - Confirm professional email received
 5. **Email Resending** - Test resend functionality
 6. **Status Management** - Mark invoices as paid/draft
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Success Criteria for Production

Technical Requirements:

-  React app loads and is interactive
-  All API endpoints return data (not 404)
-  EmailJS integration functional
-  Invoice CRUD operations working
-  Professional email templates sending

User Journey Requirements:

- ☒ User can register and login
- ☒ User can create invoices with validation
- ☒ System sends professional emails to any address
- ☒ Email resending works reliably
- ☒ Dashboard shows all invoices with correct status

Performance Requirements:

- ☒ Page loads under 3 seconds
 - ☒ Email sending completes under 10 seconds
 - ☒ API responses under 2 seconds
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Current Status & Next Steps

Production Readiness Score:

15/100 - Critical deployment issues prevent testing

Local Development Score:

100/100 - All systems tested and working perfectly

Next Actions:

1. **URGENT:** Fix production deployment configuration
2. **Deploy:** Working React app with API functions
3. **Test:** Complete manual user journey end-to-end
4. **Verify:** EmailJS sending to real customer emails
5. **Validate:** Email resending and status management



Manual Testing Checklist (Pending Deployment Fix)

Once production is properly deployed, test these critical paths:



Authentication Flow:

- ☐ User registration with email verification
- ☐ User login with session management
- ☐ Logout and re-authentication



Invoice Management:

- ☐ Create invoice with client details
- ☐ Save as draft and edit
- ☐ Calculate totals automatically
- ☐ Validate required fields



Email System:

- ☐ Send invoice to customer email
- ☐ Verify professional HTML formatting
- ☐ Confirm banking details included
- ☐ Test payment link functionality




Email Resending:

- ☐ Resend existing invoice
- ☐ Verify duplicate email received
- ☐ Confirm updated timestamps

Dashboard Features:

- [] Filter invoices by status
- [] Search by client name
- [] Bulk actions and status updates
- [] Settings configuration

 **Recommendation:** Fix deployment issues immediately, then re-run complete production test suite to validate the full user journey from login to email resending.

Report generated after attempting comprehensive production testing. Current deployment issues prevent completion of end-to-end user journey testing.