

# ■ CONTABILITÀ ALPHA - DEVELOPER HANDOFF

## ■ PROJECT STATUS

- **Full-stack accounting app completed** - React + FastAPI + MongoDB
- **Advanced features implemented:** AI insights, multi-currency, WhatsApp integration, Chart.js analytics
- **All code working locally** at `http://localhost:3000`
- **GitHub repository:** `tunalpha/Contabilita-alpha`
- **Current issue:** Vercel deploy succeeds but returns 404 NOT\_FOUND

## ■ TECHNICAL ARCHITECTURE

### ■ *Project Structure:*

```
/
■■■ frontend/      # React app with Tailwind, Chart.js
■■■ backend/       # FastAPI Python server
■■■ vercel.json     # Deployment configuration
■■■ package.json    # Root package.json
■■■ requirements.txt # Python dependencies (optimized)
```

### ■■ *Current Vercel Configuration:*

```
{
  "builds": [
    {
      "src": "frontend/package.json",
      "use": "@vercel/static-build",
      "config": { "distDir": "build" }
    },
    {
      "src": "backend/server.py",
      "use": "@vercel/python"
    }
  ],
  "routes": [
    { "src": "/api/(.*)", "dest": "backend/server.py" },
    { "src": "/(.*)", "dest": "frontend/build/index.html" }
  ]
}
```

## ■ PROBLEM ANALYSIS

- **404 Error:** Frontend routing broken - React app not served correctly
- **Possible causes:** Build path issues, incorrect Vercel configuration, frontend build failure

■ **Backend works:** API endpoints accessible when properly routed

## ■ ENVIRONMENT VARIABLES

```
MONGO_URL=mongodb://localhost:27017/contabilita
ADMIN_PASSWORD=alpha2024!
```

## ■ KEY DEPENDENCIES

■ **Frontend:** React 18, Tailwind CSS, Chart.js, react-chartjs-2, i18next

■ **Backend:** FastAPI, pymongo, reportlab, aiohttp, aiosmtplib

## ■ QUICK SOLUTION OPTIONS

### *Option A - Fix Vercel Config:*

```
{
  "builds": [
    {
      "src": "frontend/package.json",
      "use": "@vercel/static-build",
      "config": {
        "buildCommand": "cd frontend && yarn build",
        "distDir": "frontend/build"
      }
    }
  ]
}
```

### *Option B - Separate Deployments:*

- Deploy frontend to Vercel/Netlify
- Deploy backend to Railway/Render
- Update CORS settings

## ■ IMMEDIATE TASKS

1. **Check Vercel build logs** - See why frontend returns 404
2. **Fix vercel.json paths** - Ensure correct build output directory
3. **Test locally first** - Run 'cd frontend && yarn build' to verify
4. **Alternative:** Split frontend/backend deployments

## ■ IMPLEMENTED FEATURES

■ **AI Insights:** Automatic financial analysis and predictions

■ **Analytics Dashboard:** Chart.js graphs for trends and categories

■ **WhatsApp Integration:** Floating button with pre-filled messages (+39 377 241 1743)

■ **Multi-currency:** USD/GBP/EUR with automatic conversion

■ **PDF Reports:** Professional transaction reports

■ **Multi-client System:** Isolated data per client

## ■ CODE ACCESS

■ **GitHub:** <https://github.com/tunalpha/Contabilita-alpha>

■ **Local URL:** <http://localhost:3000> (working)

■ **Vercel URL:** <https://contabilita-alpha-ylp2-git-main-tunalphas-projects.vercel.app/>  
(404 error)

## ■ GOAL

**Fix the Vercel deployment to serve the React frontend correctly instead of returning 404.**

The app is 100% complete with advanced features - just needs proper deployment configuration!

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■ Ready for deployment fix!