

# Hallucination Analysis (Feb 2026)

## Drop — Hallucination Analiza

**Datum:** 2026-02-09 **Analyst:** John (AI Director) **Kontekst:** Kod nastao kao demo (nije prošao factory workflow)

### Executive Summary

Backend je solidan (22 API rute, sve realne). Frontend ima 3 stranice sa mock podacima umjesto pravih API poziva. Dokumentacija zaostaje ~2 faze za kodom. Phantom integracije (Wise, Swan, Thunes, Sumsb, Stripe) navedene u docs ali nemaju ni liniju koda.

**Ukupna tačnost dokumentacije:** ~65%

### Kritični problemi

#### 1. Tri stranice koriste lažne podatke

Stranica	Problem	Potreban fix
<code>/send</code>	Klik "Bekreft og send" samo mijenja UI step, NE poziva API	Wire <code>POST /api/transactions/remittance</code>
<code>/scan</code>	Koristi <code>mockMerchant</code> iz <code>mock-data.ts</code> , nema QR payment	Wire <code>POST /api/transactions/qr-payment</code>
<code>/merchant</code>	Komplet dashboard je hardcoded mock data	Wire <code>GET /api/merchants/dashboard</code> + <code>/api/merchants/transactions</code>

**Impakt:** Korisnik misli da je poslao novac, ali ništa se ne dešava u bazi.

#### 2. Phantom integracije — 0 koda

Integracija	Claim u docs	Stvarnost
Wise API	"Mock → real later"	0 referenci u kodu
Swan BaaS	"Mock → real later"	0 referenci u kodu
Thunes	"Remittance provider"	0 referenci u kodu
Sumsub KYC	"Mock identity verification"	0 referenci u kodu
Stripe Issuing	"Mock card management"	0 referenci u kodu

### 3. Nula testova

- 0 test fajlova (izvan node\_modules)
- 0 test skripti u package.json
- Test plan je prazan template
- Pipeline kaže "Validator assigned" — nikad pokrenut

## Srednje ozbiljni problemi

### 4. Pipeline status zaostaje 2 faze

- PIPELINE.md kaže: "Design (Phase 3)"
- Stvarnost: Implementacija 70%+ gotova (20 API ruta, 10 stranica)

### 5. ~40% koda nedokumentirano

Ove feature nemaju ni riječ u arhitekturi ili brief-u:

- Merchant sistem (register, dashboard, QR, transactions)
- Recipients CRUD API
- Exchange rates API
- Health check endpoint
- /onboarding, /scan, /topup stranice

### 6. Legal compliance violation

- Odluka (ADR): "Ne koristiti riječ 'banking' bez licence"
- Stvarnost: UI tekst sadrži "bank account" na više mjesta

### 7. localStorage — phantom feature

- Project brief navodi "localStorage persistence" kao Must Have
  - Stvarnost: 0 referenci na localStorage u kodu
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# Šta radi ispravno

## Dependencies — ?ISTO

- 0 phantom zavisnosti
- `npm run build` prolazi
- `npx tsc --noEmit` — 0 TypeScript grešaka
- Svih 12 runtime deps postoji u `node_modules`

## API rute — 22/22 REALNE

Svaka ruta ima:

- Prave DB operacije (ne stubovi)
- Error handling sa HTTP status kodovima
- Input validacija
- Auth/authorization provjere
- Rate limiting na javnim endpointima
- Transaction atomicity za multi-step operacije

## Auth — 100% implementiran

- JWT via jose library
- httpOnly cookies (XSS zaštita)
- `signToken/verifyToken/requireAuth` middleware

## SQLite baza — ispravna

- 6 tabela (users, recipients, merchants, transactions, exchange\_rates, cards)
- Seed data funkcionalan
- Parameterized SQL (injection zaštita)

## Frontend — 7/10 stranica spojeno na API

- dashboard, login, onboarding, cards, history, topup — REAL
- send (djelimično — rates i recipients sa API, ali submit je mock)

# Brojke

Kategorija	Rezultat
API rute	22/22 real (100%)
Dependencies	0 phantom, build OK
TypeScript errors	0
Stranice	7/10 real, 3/10 mock
Komponente	7 korištenih, 7 orphaned
Testovi	0
Ext. integracije	0/5 implementirano
Dokumentacija	~65% tačna

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## Orphaned komponente (instalirane, nikad korištene)

- alert, avatar, select, separator, sheet, skeleton, sonner
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## Fajlovi analizirani

- 20 API route fajlova u `src/app/api/`
  - 10 page.tsx fajlova u `src/app/`
  - 14 komponenti u `src/components/`
  - 5 lib fajlova u `src/lib/`
  - package.json, PIPELINE.md, architecture-document.md, project-brief.md, project.json, CLAUDE.md
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