

Magazin online

"Fake it till you make it"

Intro: Test-driven development (TDD)

***Test-driven development (TDD)** is a software development process relying on software requirements being converted to test cases before software is fully developed, and tracking all software development by repeatedly testing the software against all test cases. This is opposed to software being developed first and test cases created later.*

Wikipedia

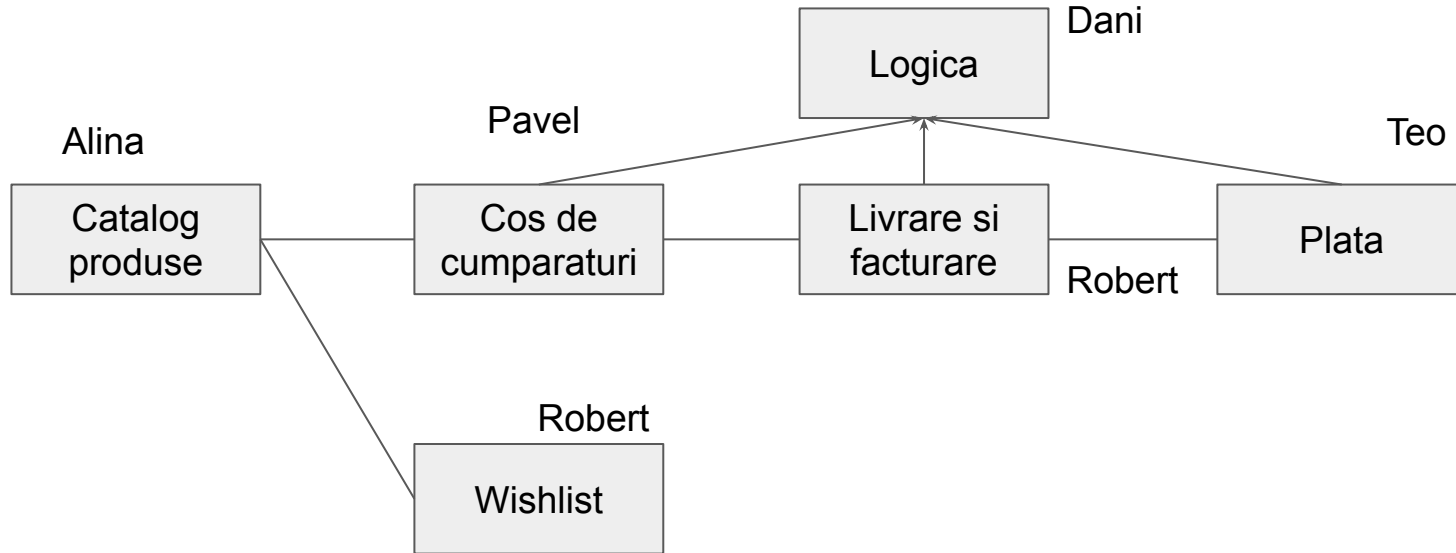
Proces

- Adauga un Test
- Ruleaza toate testele si vezi daca testul nou esueaza
- Scrie cod
- Ruleaza iar testele si refactorizeaza
- Repeta

Context

- Intrari valide
- Intrari invalide
- Erori, exceptii si evenimente
- Conditii limita
- Orice altceva ce poate da erori

Structura unui magazin online



Catalog de produse

- Lista produse
- Detalii produs
- Organizare după categorii

Interfata:

- addToBasket(id, name, price)
 - Id : int, identificator produs, unic
 - Nume: string
 - Pret: float
- addToWishlist(..) idem

Wishlist

- Lista produse preferate

Interfata:

- addToWishlist(id, name, price)
 - Id : int, identificator produs, unic
 - Name: string
 - Price: float

Cos de cumparaturi

- Listare Produse comandate, cu cantitatile lor
- Total comanda
- Date comanda: ora/data, stare (noua, în lucru, terminata)

Interfata:

- `getProducts()` -> `[{id, name, price, quantity},..]`
- `getOrder()` -> `{total, date, status}`
- `addQuantity(productId, quantity)` / `removeQuantity(productId, quantity)`
- `delete(productId)`

Cos de cumparaturi - implementare

Interfata:

- addToBasket(..), addToWishlist(..)
- addQuantity(productId, quantity) / removeQuantity(productId, quantity)
- delete(productId)
- getProducts() -> [{id, name, price, quantity},..]
- getOrder() -> {total, date, status}
- setInvoicingDetails(name, email, phone, address, city, county, company, cui)
- setShippingDetails(name, email, phone, address, city, county)
- setPayment(type, cardNo, cardName, month, year, cvv)
- process()

Livrare si facturare

- Formular date facturare (poate fi si firma)
- Formular date livrare

Interfata:

- `setInvoicingDetails(name, email, phone, address, city, county, company, cui)`
- `setShippingDetails(name, email, phone, address, city, county)`

Plata

- Formular selectie metoda de plata
- Formular plata cu cardul
- Buton finalizare proces

Interfata:

- `setPayment(type, {cardNo, cardName, month, year, cvv})`
 - `type`: string, "cc" = credit card, "ramburs" = ramburs
 - `params`: object, optional.
- `process()`

Nota: în cazul "ramburs" nu se trimit si restul parametrilor