



ETFBAY – BITS N' BYTES

UNIVERZITET U SARAJEVU

ELEKTROTEHNIČKI FAKULTET SARAJEVO

ODSJEK ZA RAČUNARSTVO I INFORMATIKU

OBJEKTNO ORIJENTISANA ANALIZA I DIZAJN

Mirza Hadžić
Irhad
Ždralović
Emin Zukić

NAZIV TIMA I ODABIR PROJEKTA

- BitsNBytes ili CodeBrigade
- eBay clone
- Aplikacija za trčanje
- Aplikacija za turizam



KONKURENCIJA

Dobrodošli na OLX.ba! Tražite **4.688.459** artikala u **2126** kategorija

Vaš shop je uvijek otvoren

Uredaj Moj webshop BH Telekoma od sada su dostupni i na OLX-u!

VRHUNSKI LIMENI KROVOVI

U BINGU

fonTEL.e.ba

Prička koja se ne propusta!

Platinum OLX shopovi

Izdvojeni artikli

PRIKAŽI OPĆE

Hi Sign in or register Daily Deals Help & Contact

Shop by category

Search for anything

All Categories

Advanced

Auto Lovers, Welcome Home

Popular, rare and vintage: parts and accessories for every car

Shop with Confidence

Find Your Piece →

15% Enjoy 15%* off!

Enter BESTSELLER15 to save on items from our top sellers | *Terms & Conditions

Claim coupon →

Explore popular brands See all →

ETFBAY ĆE PROMIJENITI ONLINE TRGOVINU

CAR LEASING

Want a cheap
new lease car?
Start HERE!



My cheapest
leasing deals!

Click to chat
with Ling



ABARTH CAR LEASING

500
500 Convertible

595
595 Convertible
Punto Evo



ALFA ROMEO LEASE CARS

Giulietta
Mito



Note: I live inside this website Monday to Friday 8am-8pm, to give you the very best service and make your experience a happy one! - Ling Valentine, accept no substitutes.

LINGS CARS.com

UK CONTRACT HIRE CARS FROM LING VALENTINE Version 237.1... You can trust me! ... In 2012 I've rented over 150 million cars (at RRP) SPECIAL LING/VIZ T-SHIRT!

CAR LEASING - CONTRACT HIRE - CHEAP LEASE CARS

Home

Cars
and
Vans

How It
Works

Price
Lists

About
Ling

lmei WAH!
1500+Letters
Customers

Fun
Stuff

Quote/
Order

Business Customer Pricing

Personal Customer Pricing

NEW

SEXY

christine
full rep
here

FEAR
FREE
LAMPS

Search Cars Here

Go



@LINGSCARS
Follow Me

LING'S LIVE TWITTER FEED



Ian hawk: @danlondon http://t.co/FwRRnBtKA hands down



aniliparmar484: Amazing website http://t.co/283UQdJwC made my day. Source code is funny & bizarre at the same time via http://t.co/4u2HNNUPI @saazy



Be_boy99: @LINGSCARS @aronstevenson They sold a 51% share in Wba to BCA for £72m.

WEBCAM

OFFICE CAM

CHICKEN CAM

Intro Film

News

Blog

Office TV

Contact

Moan

Links

Play Quiz

Privacy Policy

Google

Visitors



EU cookie law: Fiss off Von Rumpy. Me... I hammer visitors to death with cookies, so I can find out what they want. Cookies allow my website to serve visitors the content they need. Get used to it. The EU cookie law is an ass. - Ling



cookies=steal credit card nomif possible;
cookie=customer age=46;
cookie=Ldn oglinress=ugly bugger;



You can't find a car?

Apply for a CAR QUOTE



AS MEN ON

TV TWO

DRAGONS' DEN

Richard Farleigh - "I wanted to invest; I was amazed by Ling's complete lack of nerves, and also by her business acumen."



Duncan Bannatyne - "I wanted to invest... but ye turrin'ed me doon!"



Deborah Meaden
"Harrumph! I'm out!"

**UK WARNING: Customers reporting many other internet prices are hiding true lease costs!
BEWARE DODGY COMPANIES SELLING HIGH INITIAL RENTAL "6+" LEASES**



Ling IS OFFICIAL VIZ ethnic business ambassador!



View Live Visitors: 23 online

UPDATE... The latest car I've added is a Mercedes C-Class Estate 2.1 CDI BlueEFFICIENCY 16v (201bhp) C250 AMG Sport Plus Estate

5dr 2143cc Diesel at £380.40 inc VAT at 11.96 today - Ling

Hi! I am Ling WAH! from Dragons' Den. I lease cheap new cars!



FUNKCIONALNI ZAHTJEVI

- Oduzimanje privilegija
- Notifikacije o statusu pošiljke
- Sortiranje artikala
- Pregled ponude
- Mogućnost pravljenja korisničkog računa



JEDAN JE POSEBNO VAŽNO ISTAĆI

NIJE KOPIJA SA NEKE DRUGE STRANICE!

ETF KREDIT

- Plaćanje virtuelnom valutom
- Bez glavobolja i mukotrpnih procesa
- Vezan za neku stabilnu valutu
- Patent!

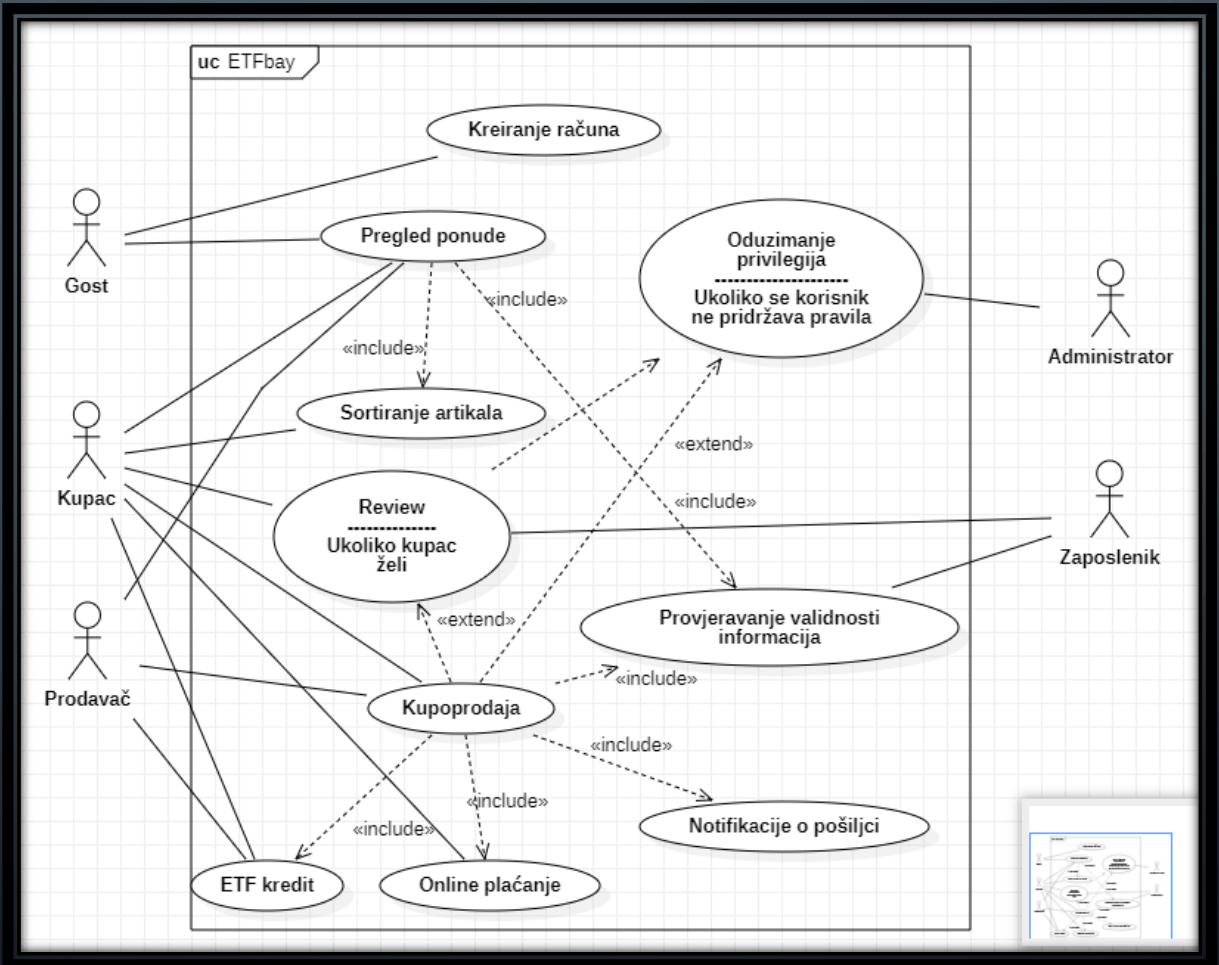
AKTERI SISTEMA

- Gost
- Kupac
- Prodavač
- Administrator
- Zaposlenik

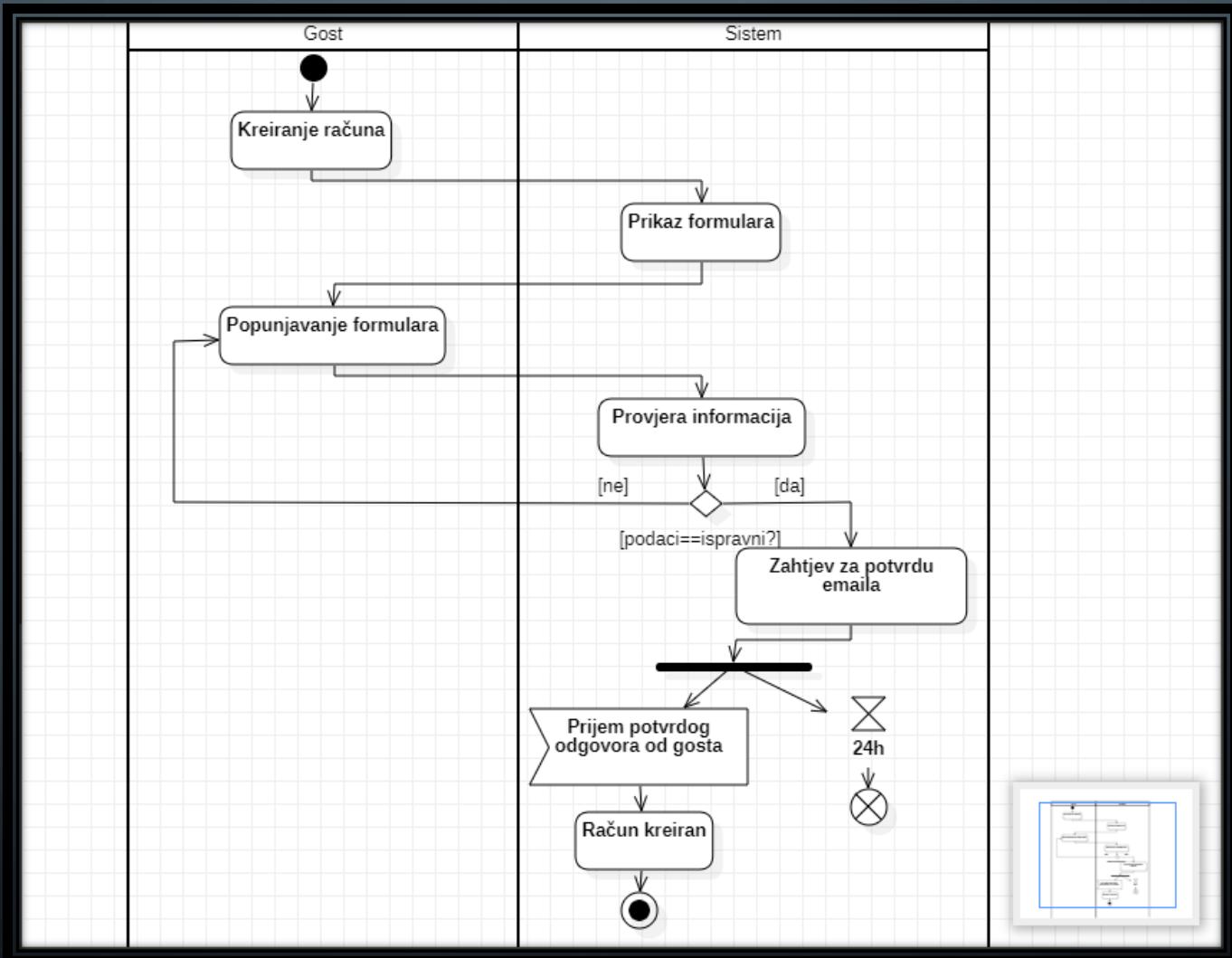
NEFUNKCIONALNI ZAHTJEVI

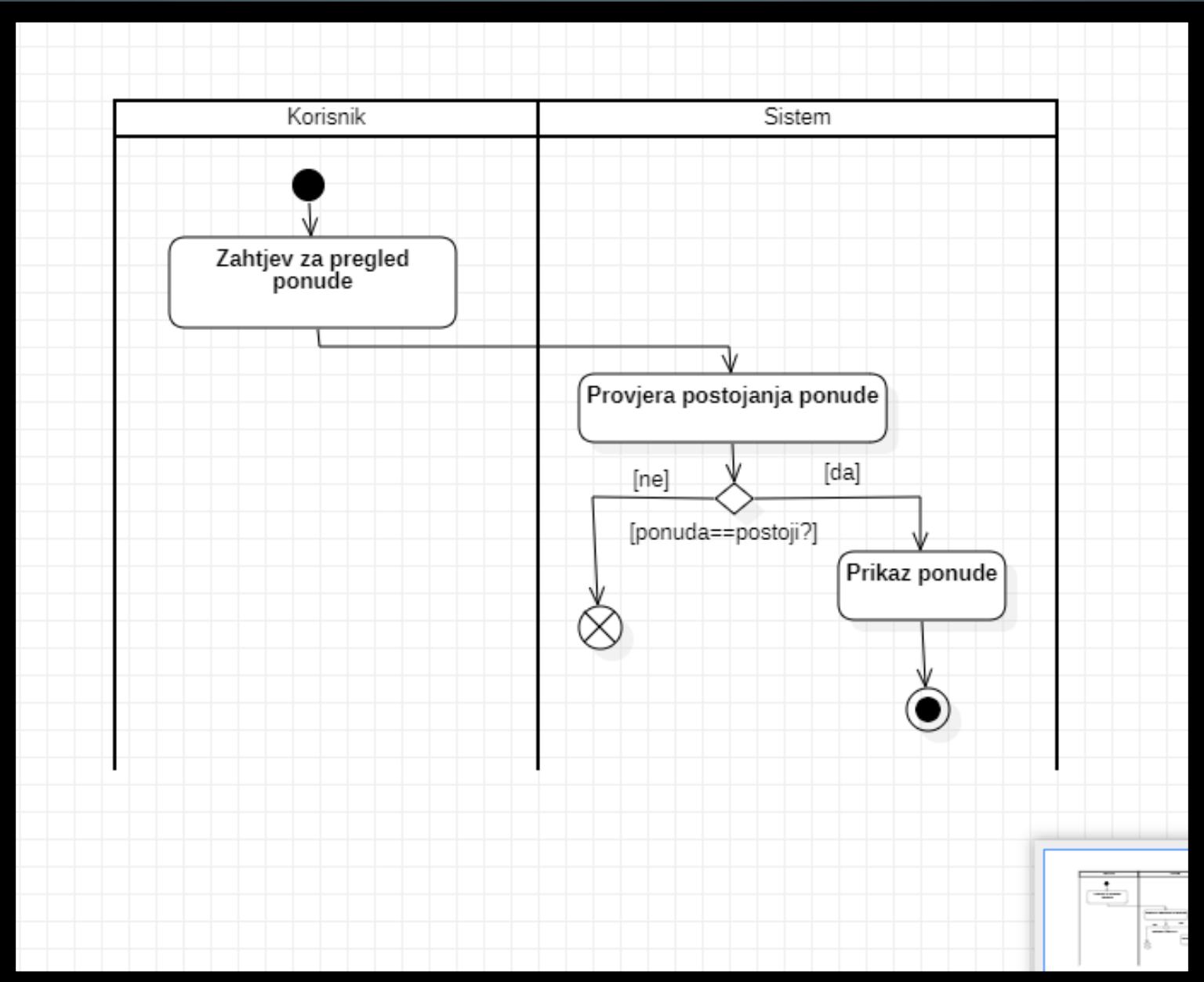
- Korištenje na svim OS preko web preglednika
- Sigurnost prilikom online plaćanja
- E-Mail sa potvrdom o registraciji
- Mogućnost resetovanja passworda
- Prikaz stranice u roku 3 sekunde

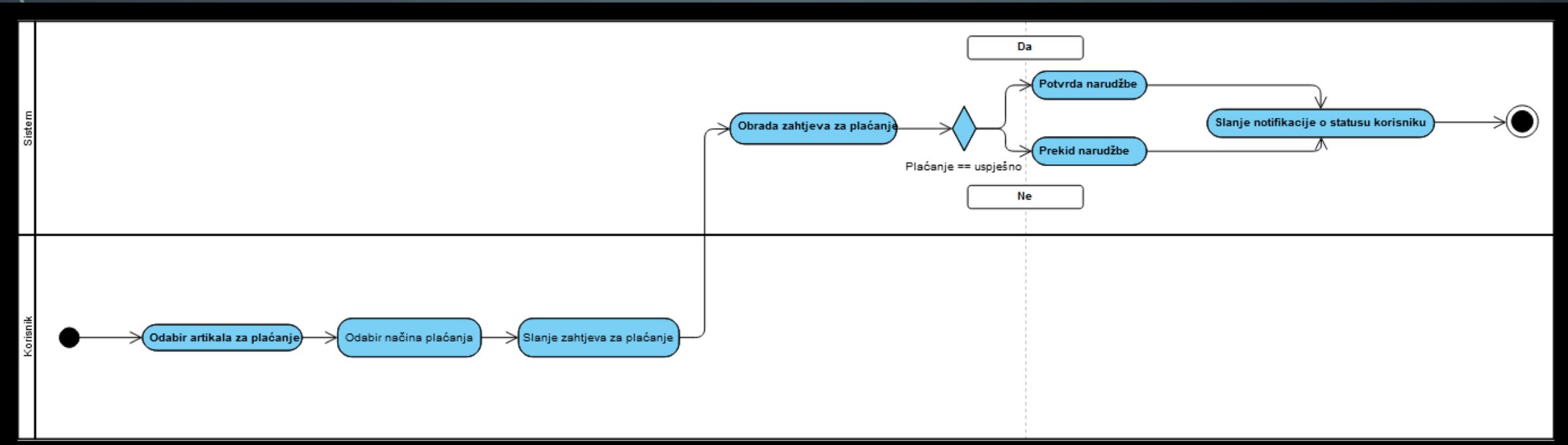
USE CASE DIJAGRAM



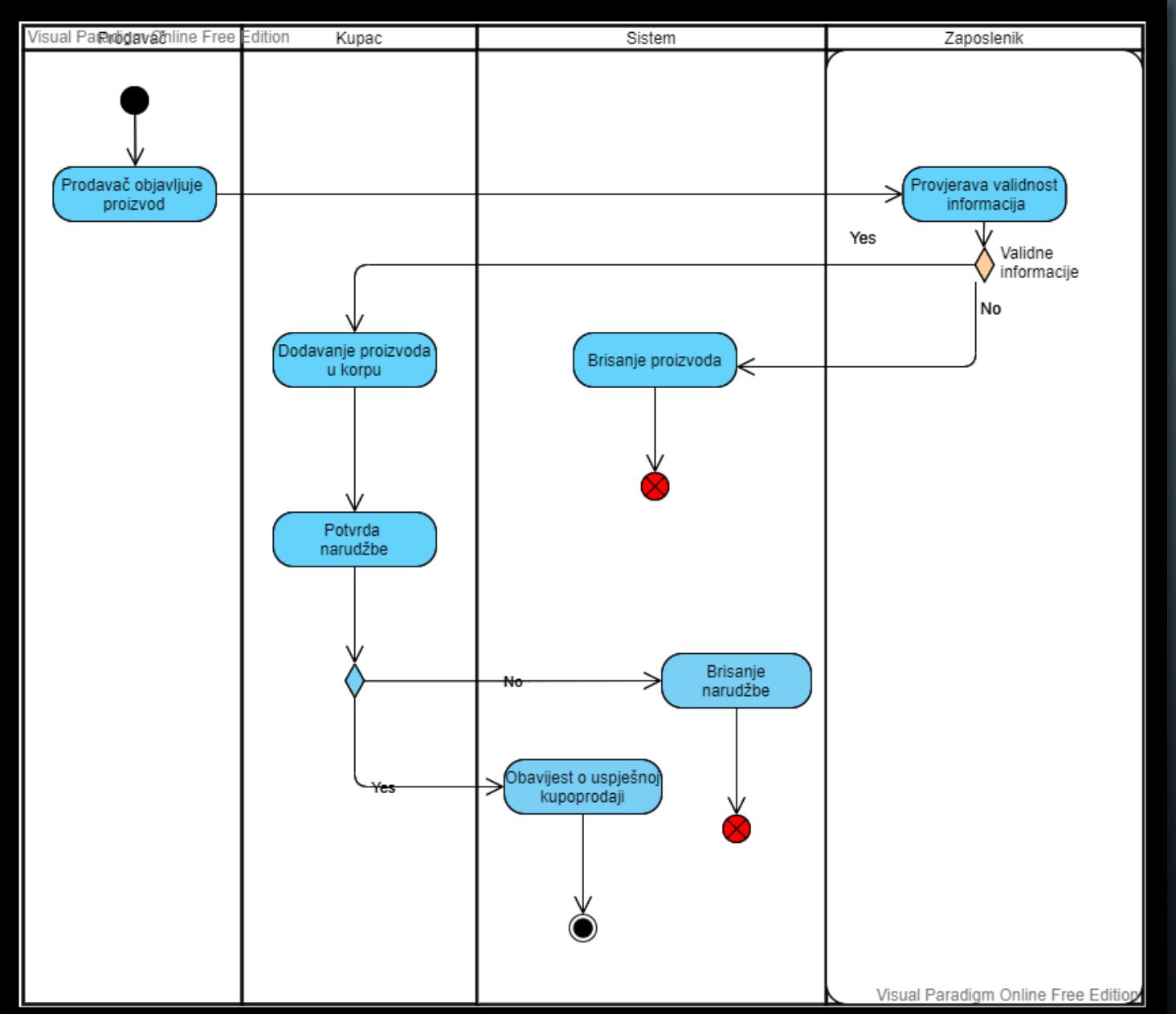
DIJAGRAMI AKTIVNOSTI

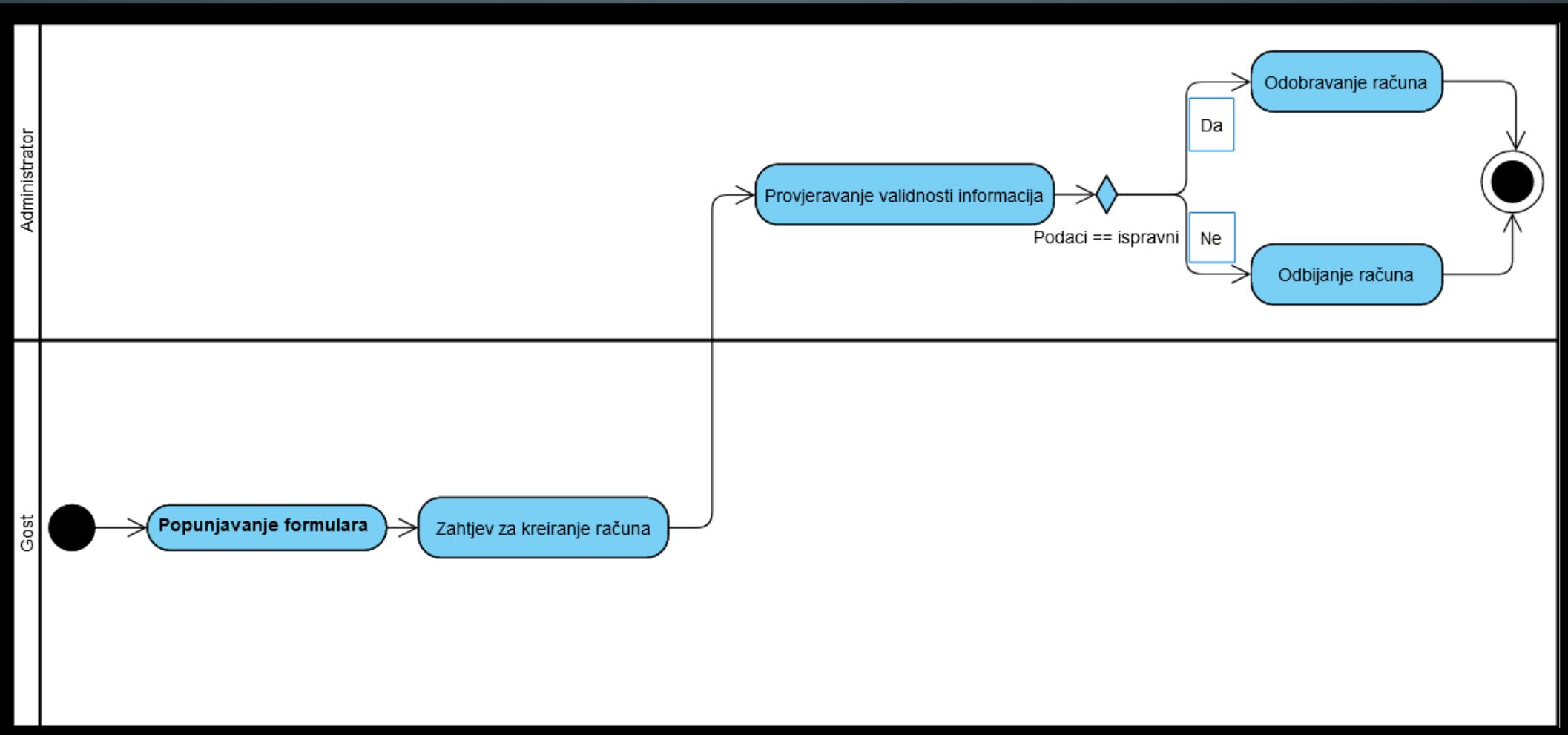


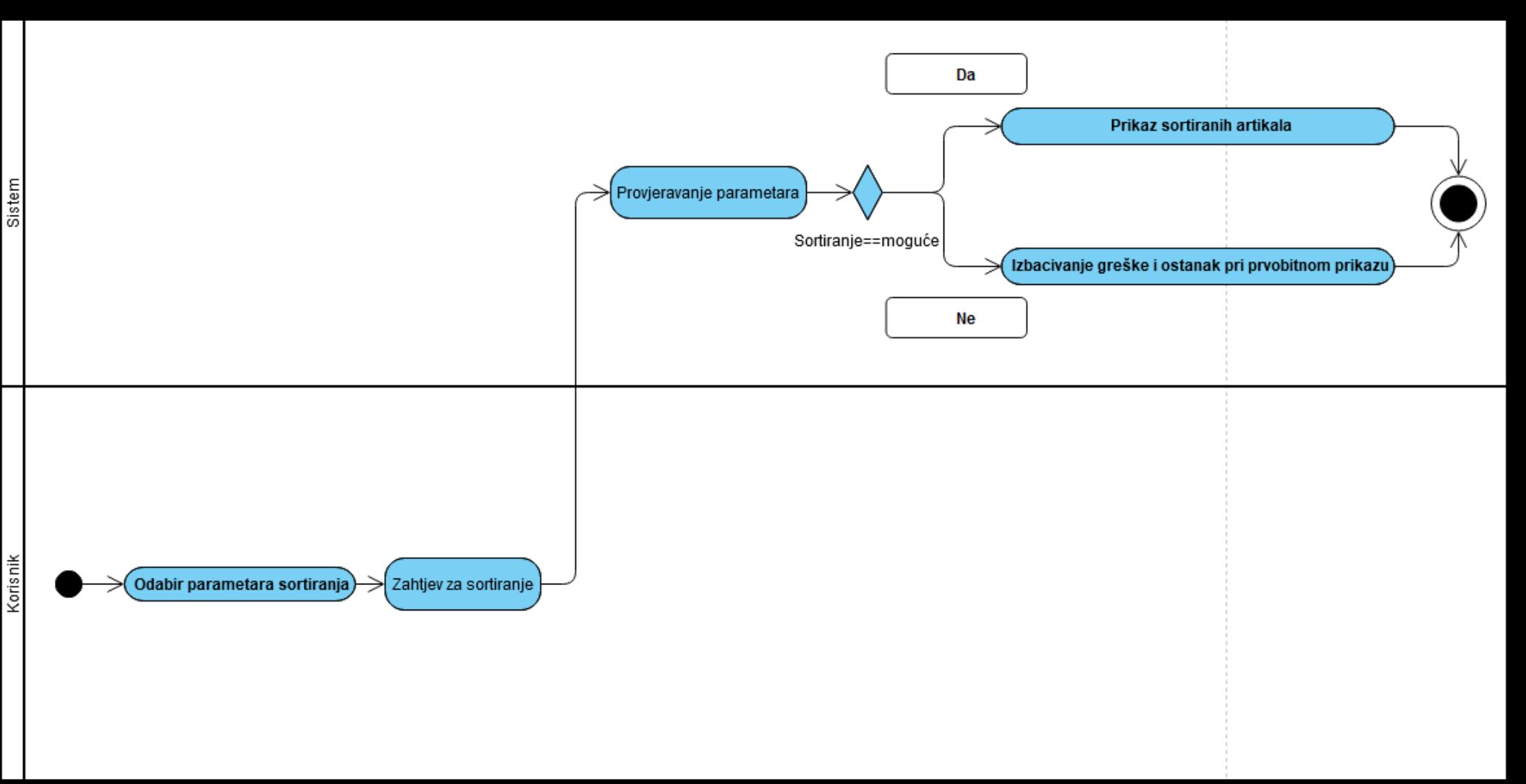




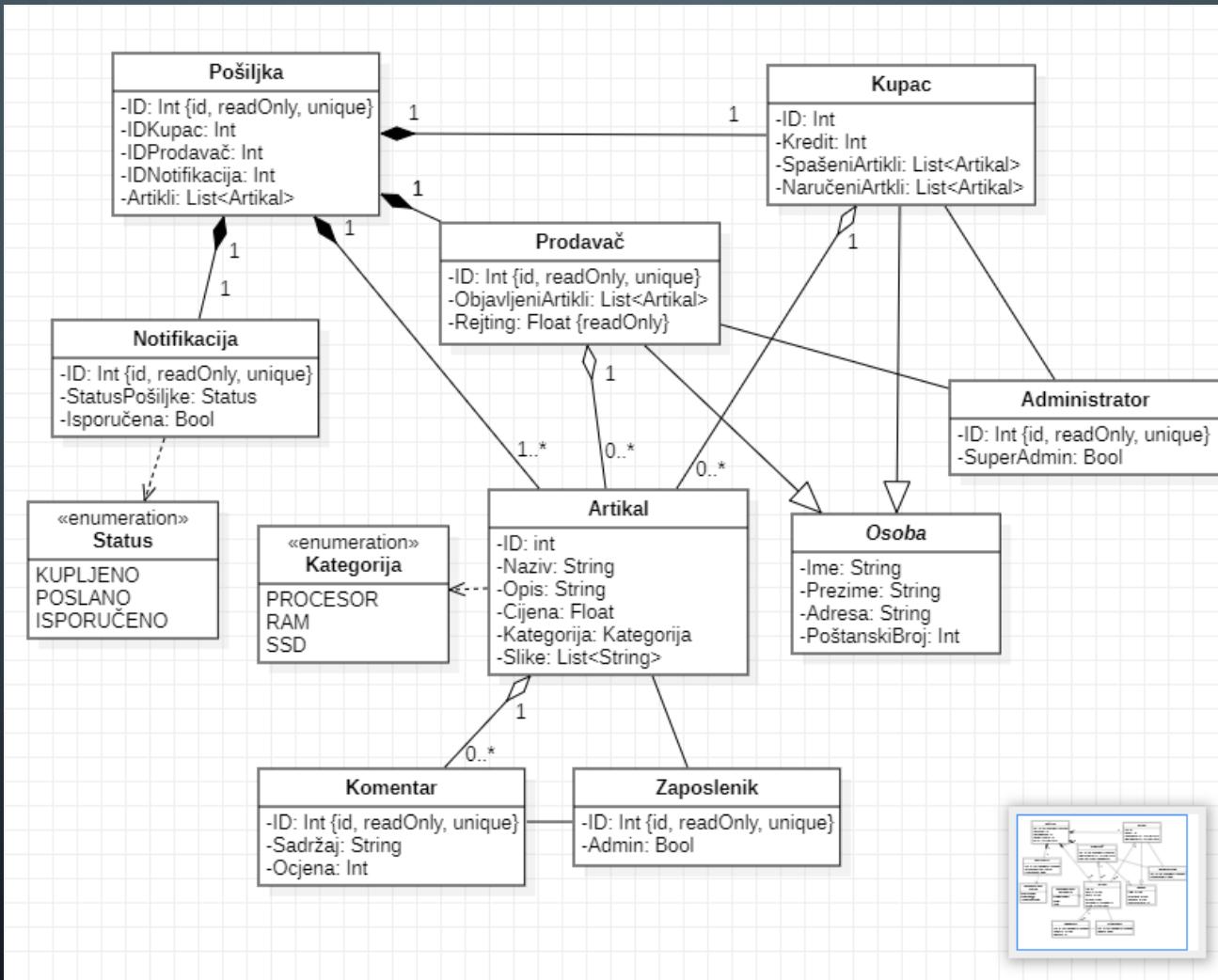




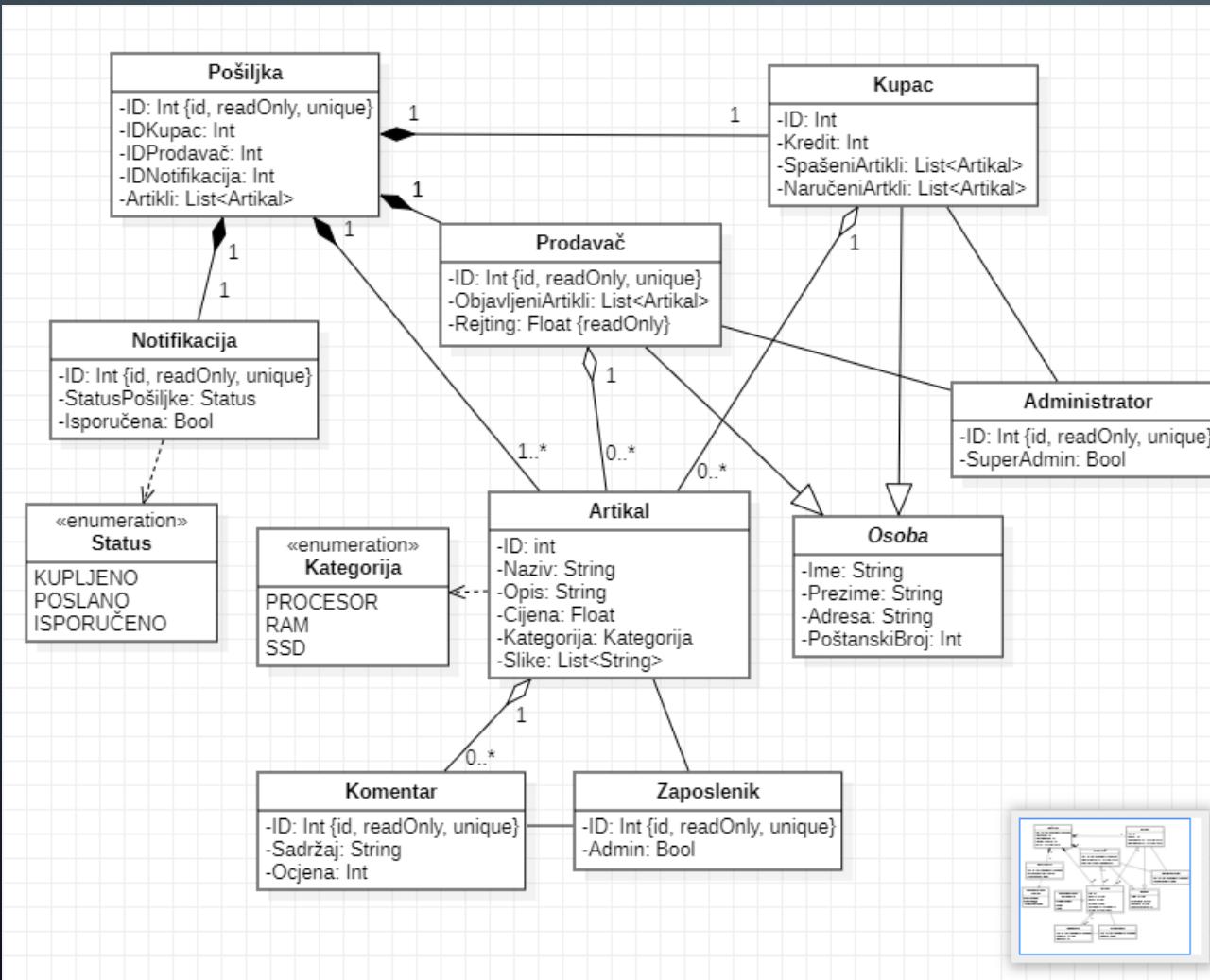




DIJAGRAM KLASA



DIJAGRAM KLASA

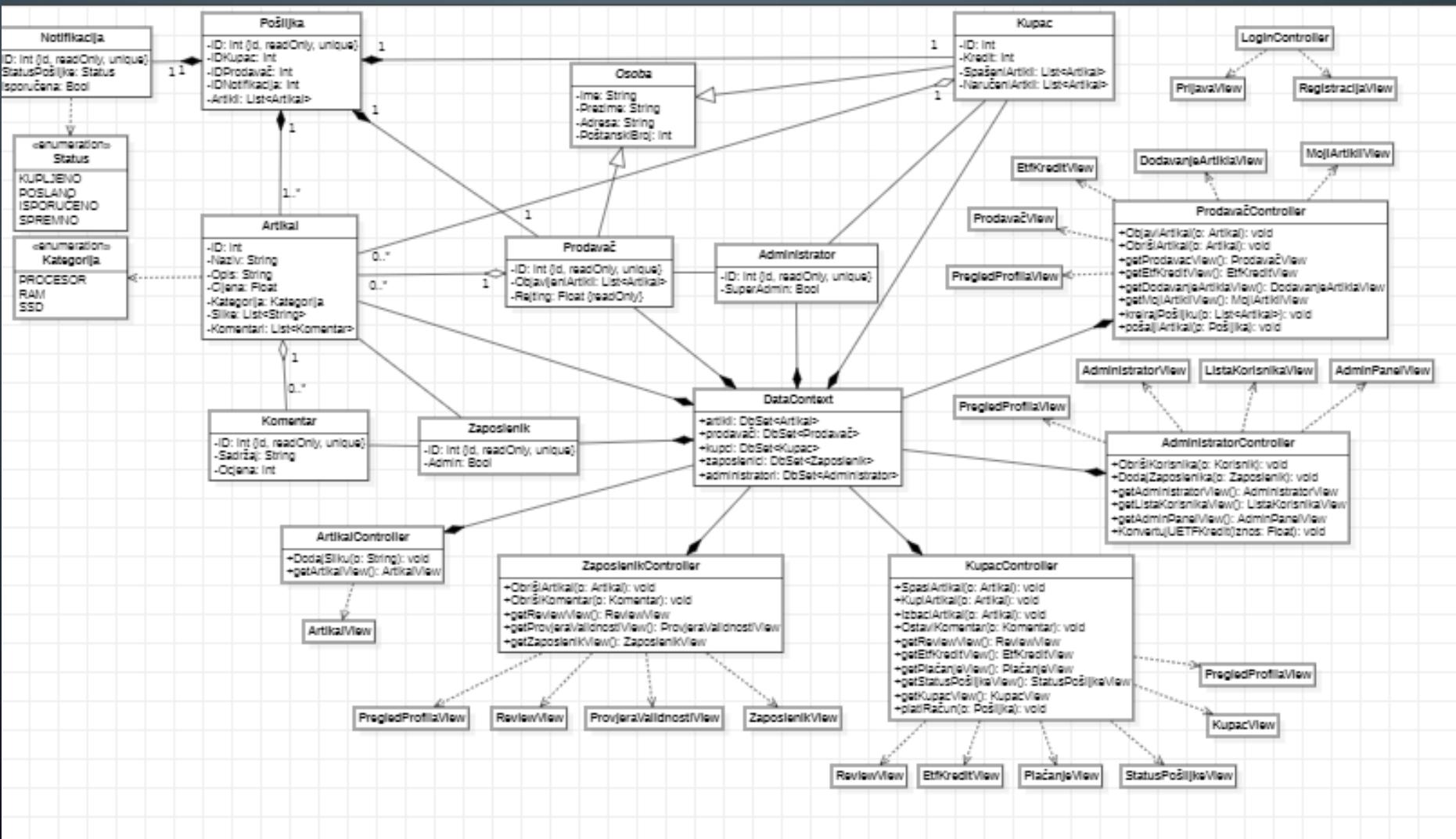


- Artikal
- Pošiljka
- Status

SOLID PRINCIPI

Prilikom dizajna ispoštovani su svi SOLID principi.

MVC DIJAGRAM KLASA



DIZAJN PATTERNI

DIZAJN PATERNI

- Strukturalni paterni

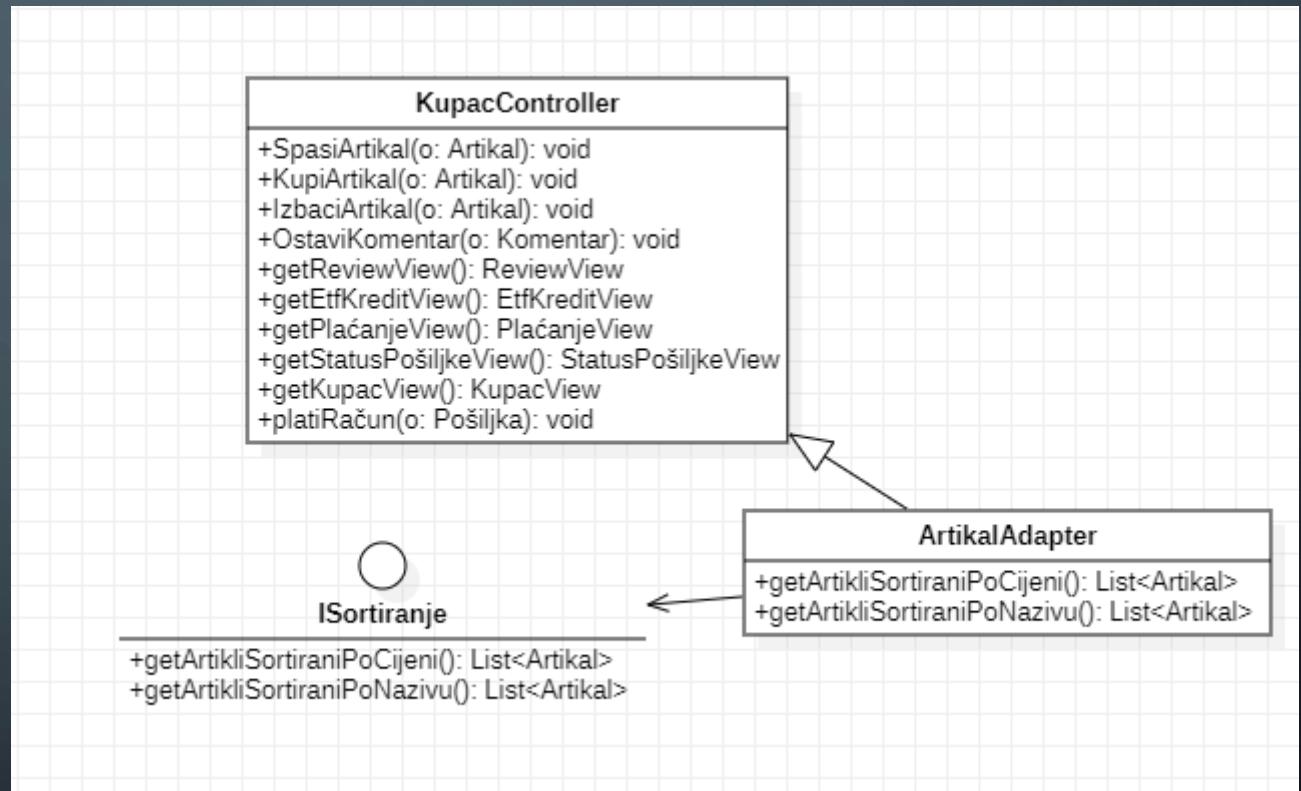
DIZAJN PATERNI

- Strukturalni paterni
 - 1. Adapter patern (sortiranje)
 - 2. Decorator patern (slika)
 - 3. Bridge patern (ETFKredit)
 - 4. Proxy patern (review)**
 - 5. Composite patern (status artikla)
 - 6. Flyweight patern (artikal bez slike)
 - 7. Facade patern (više podsistema)

DIZAJN PATERNI

- Strukturalni paterni

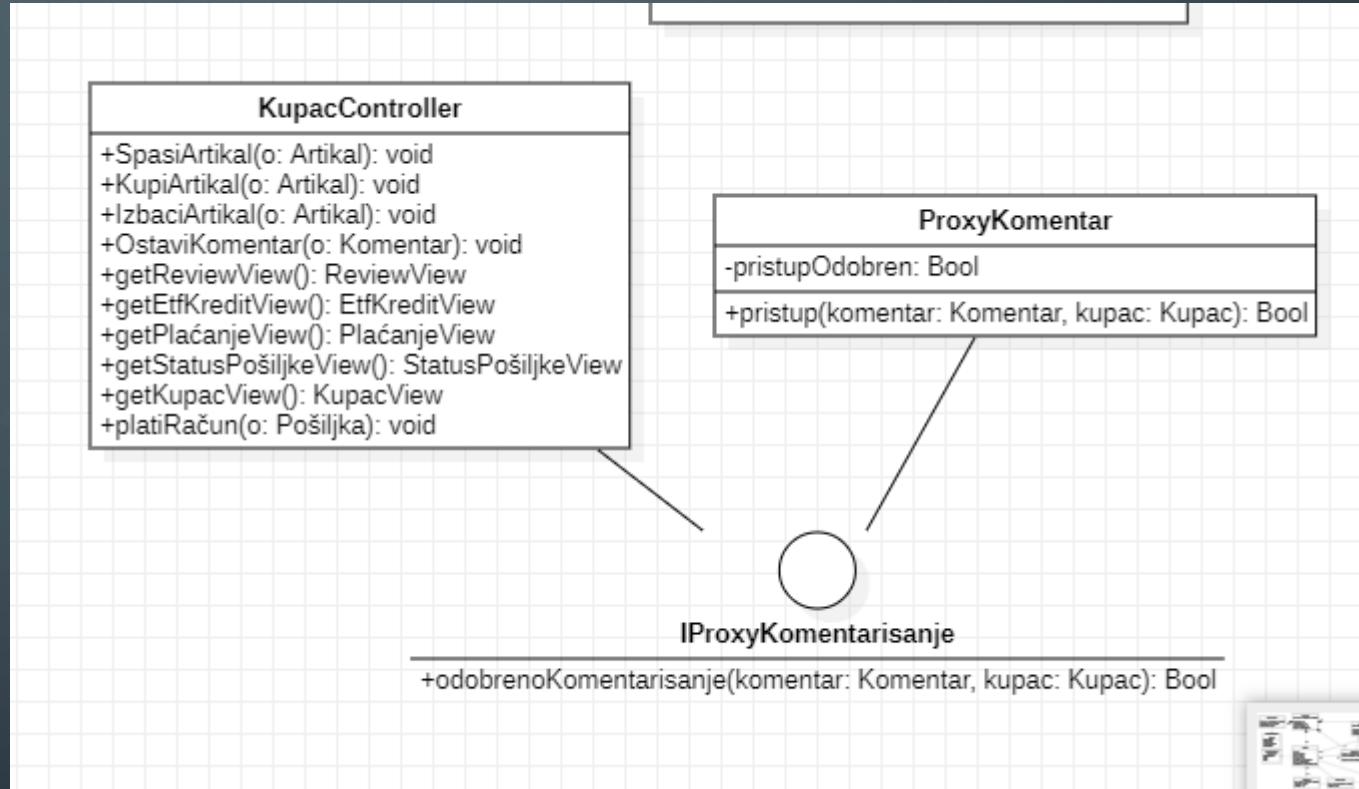
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DIZAJN PATERNI

- Kreacijski paterni

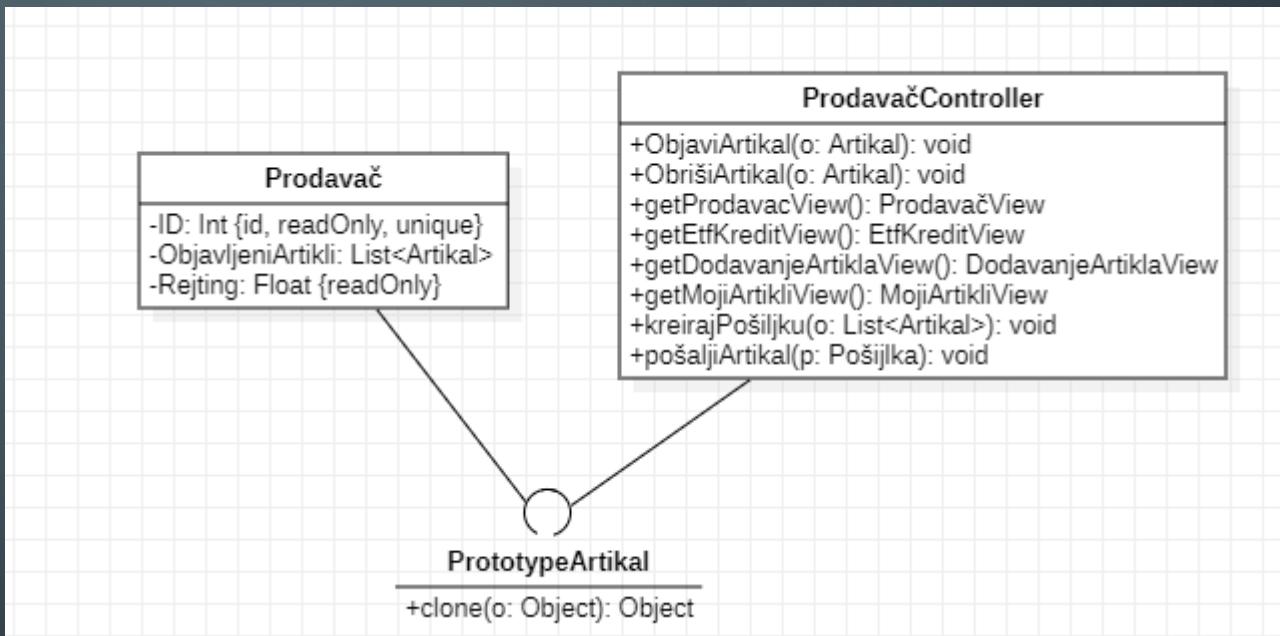
DIZAJN PATERNI

- Kreacijski paterni
 - 1. Singleton patern (statistika)
 - 2. **Prototype patern (clone())**
 - 3. FactoryMethod patern (kategorije->klase)
 - 4. AbstractFactory patern (komentar, ocjena)
 - 5. **Builder patern (cijena, kategorija)**

DIZAJN PATERNI

- Kreacijski paterni

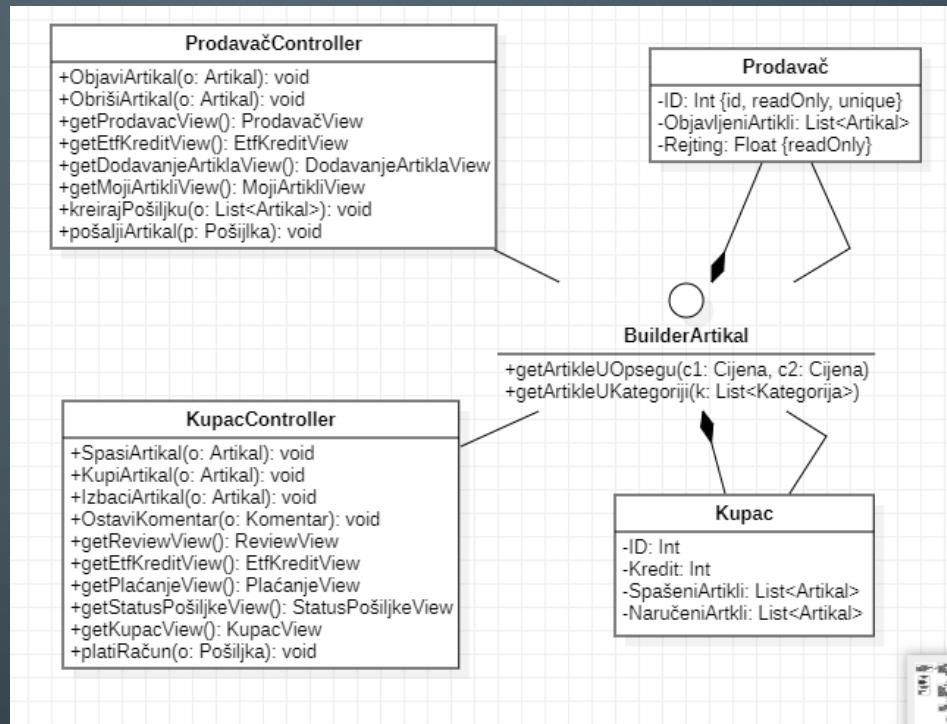
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DIZAJN PATERNI

- Paterni ponašanja

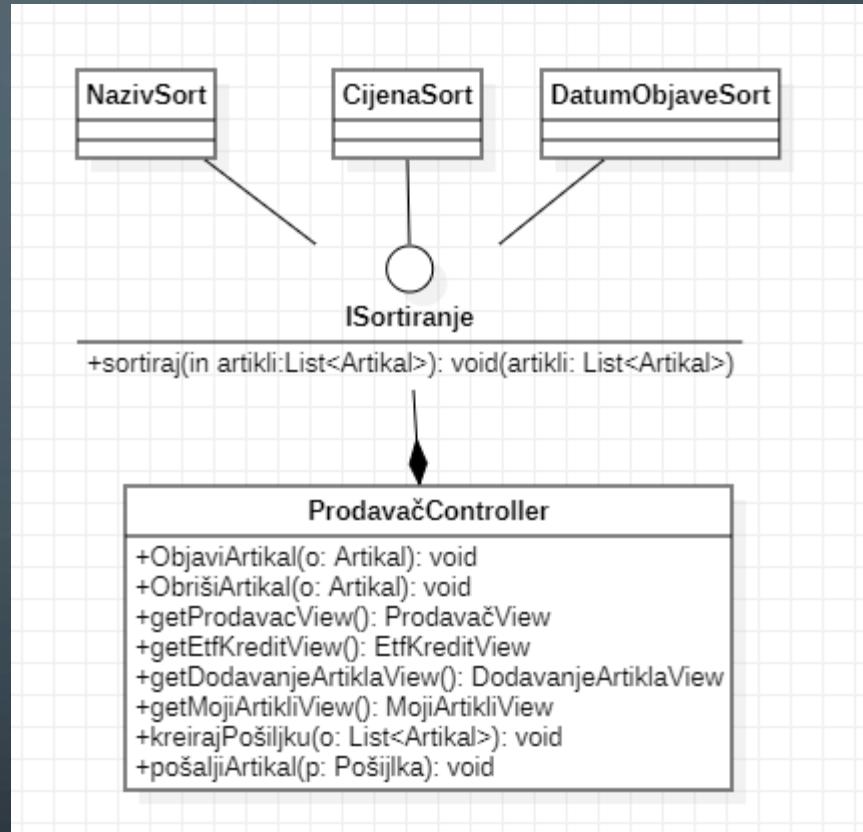
DIZAJN PATERNI

- Paterni ponašanja
1. **Strategy patern (sortiranje)**
 2. State patern (IStatusPošiljke)
 3. TemplateMethod patern (vrsta kupaca)
 4. **Observer patern (količina artikala – obavijest)**
 5. Iterator patern
 6. ChainOfResponsibility patern (ArtikalFilter)
 7. Mediator patern (ChatRoom)

DIZAJN PATERNI

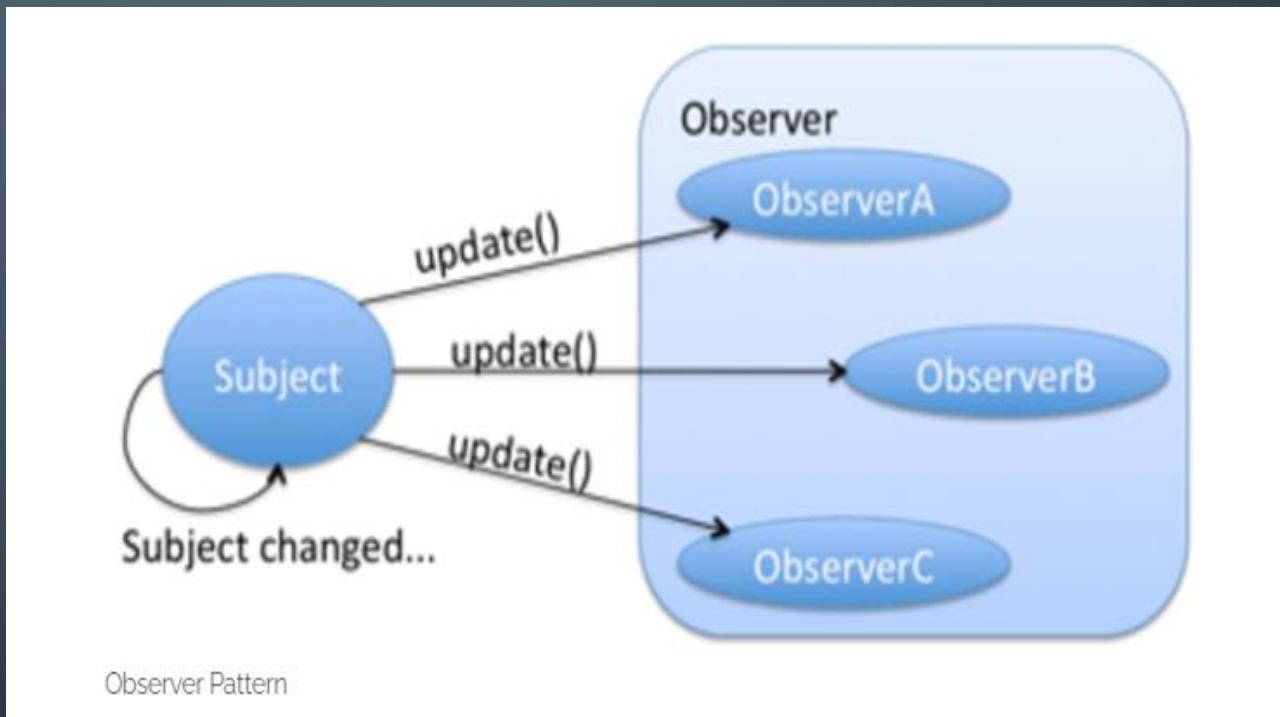
- Paterni ponašanja

1. **Strategy patern (sortiranje)**
2. State patern (**IStatusPošiljke**)
3. TemplateMethod patern (vrsta kupaca)
4. **Observer patern (količina artikala – obavijest)**
5. Iterator patern
6. ChainOfResponsibility patern (**ArtikalFilter**)
7. Mediator patern (**ChatRoom**)

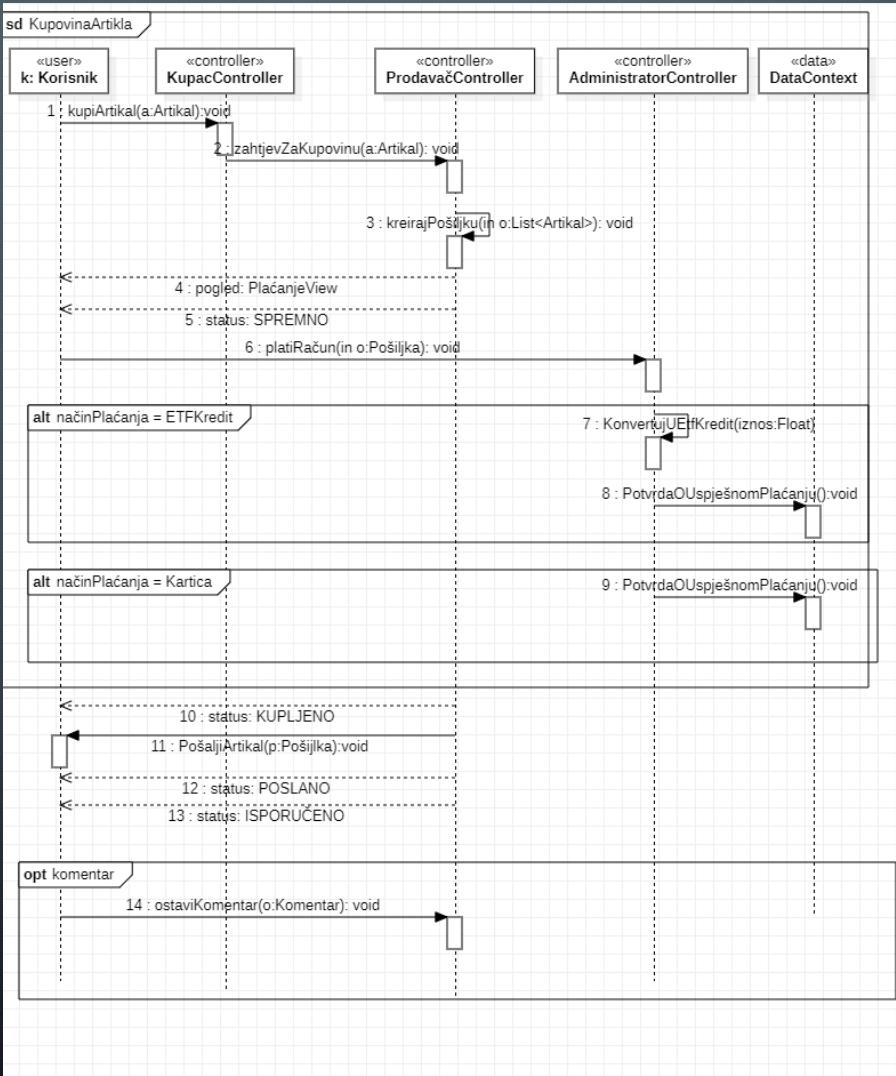


DIZAJN PATERNI

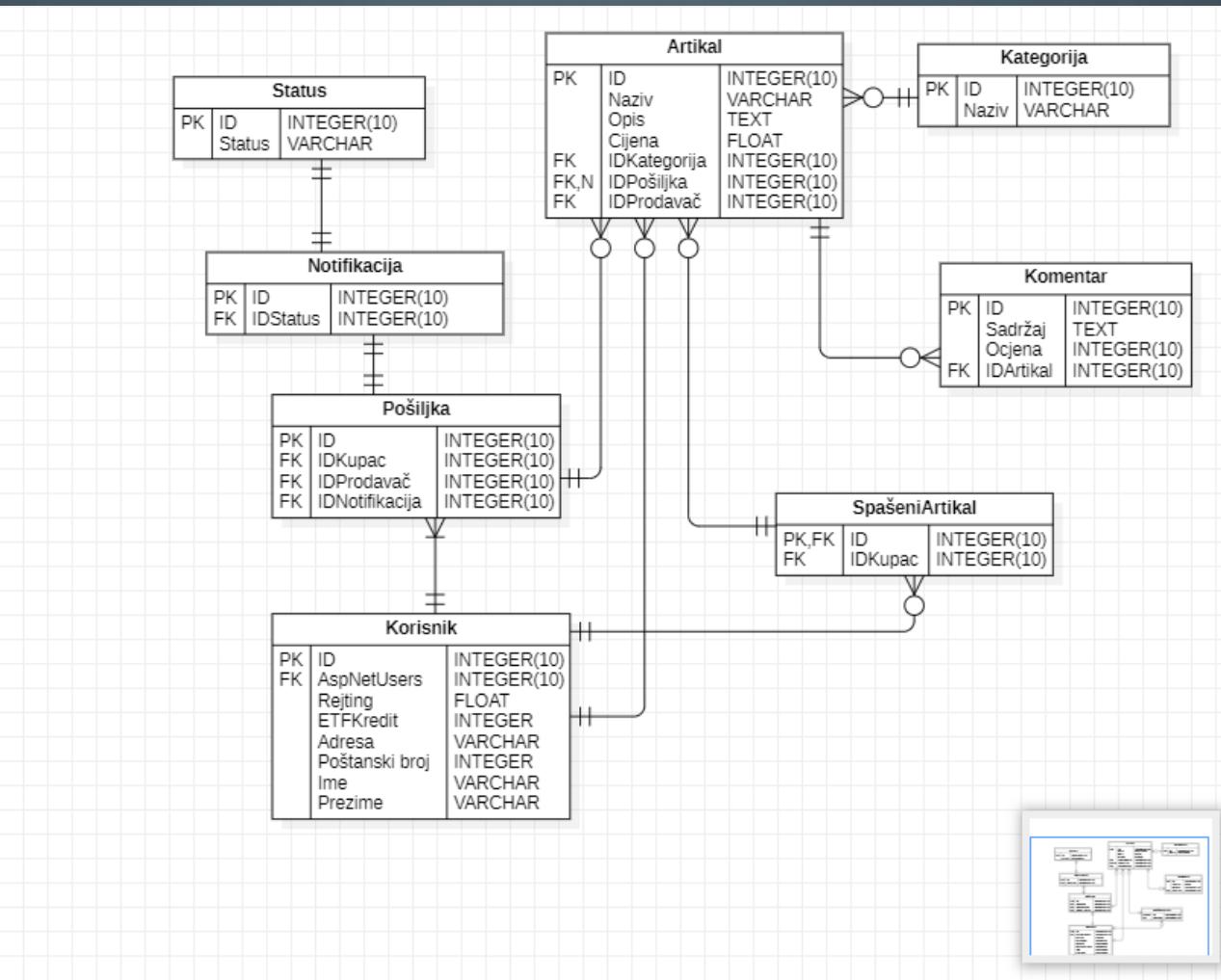
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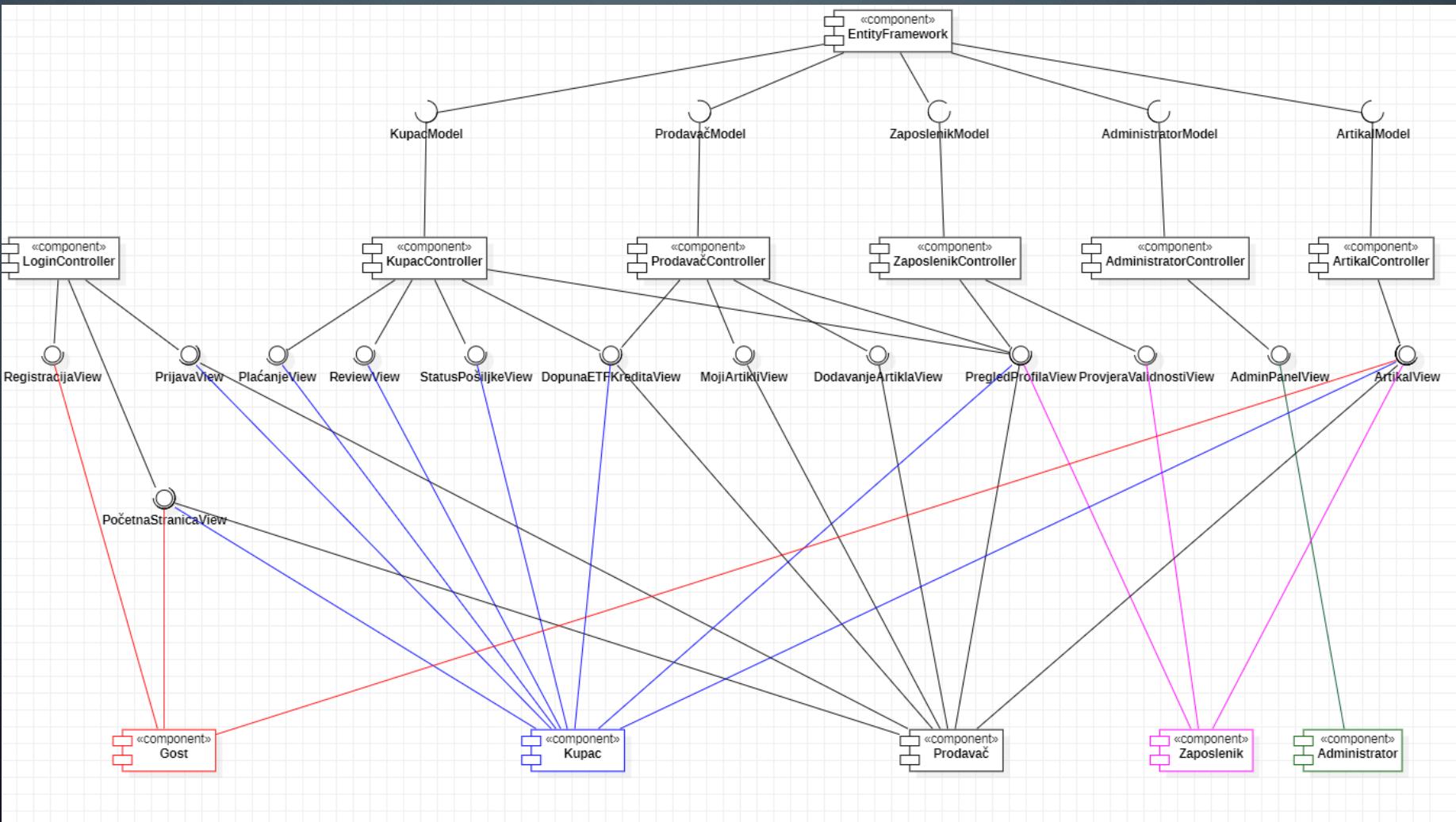
DIJAGRAM INTERAKCIJE



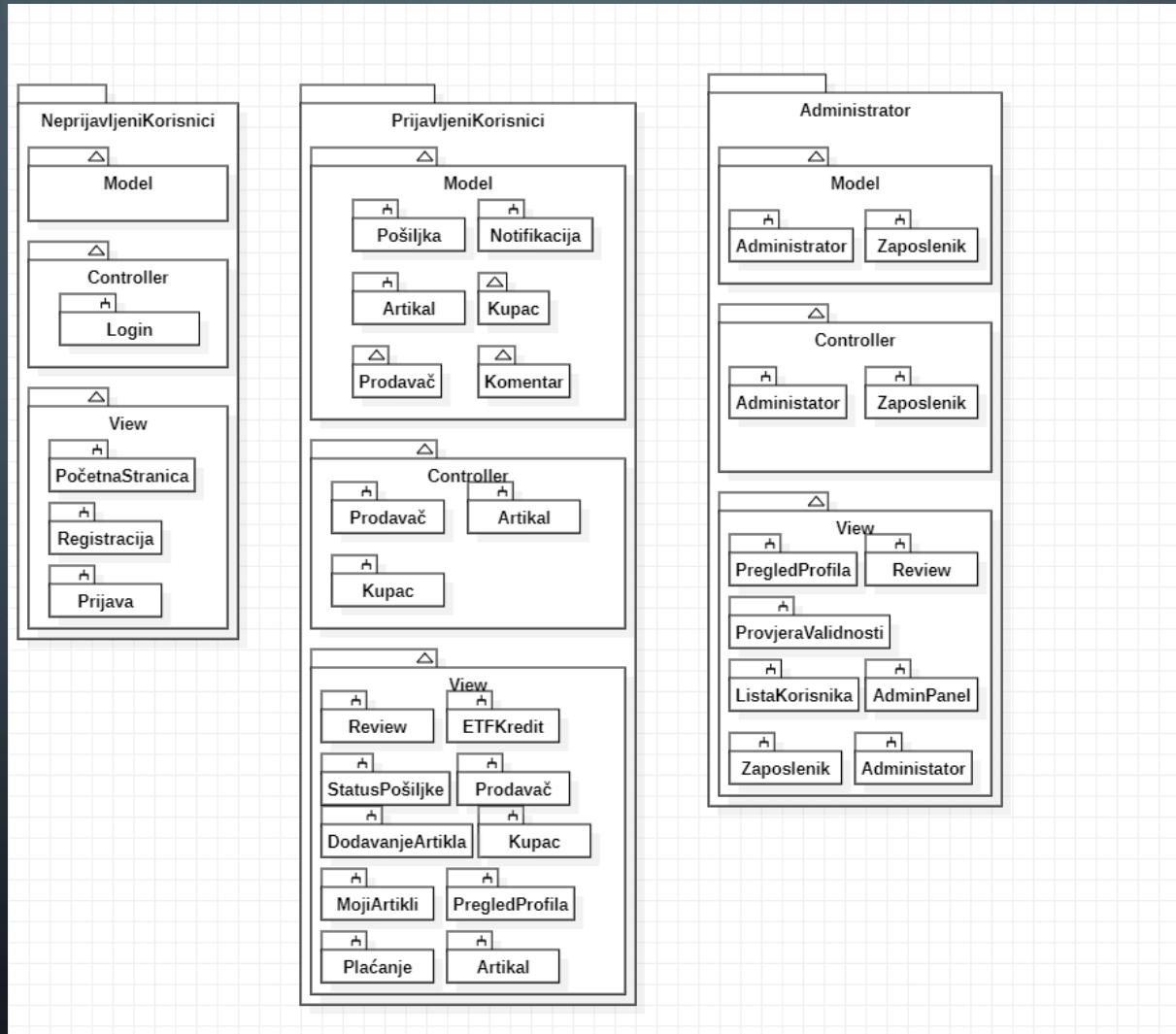
ER DIJAGRAM



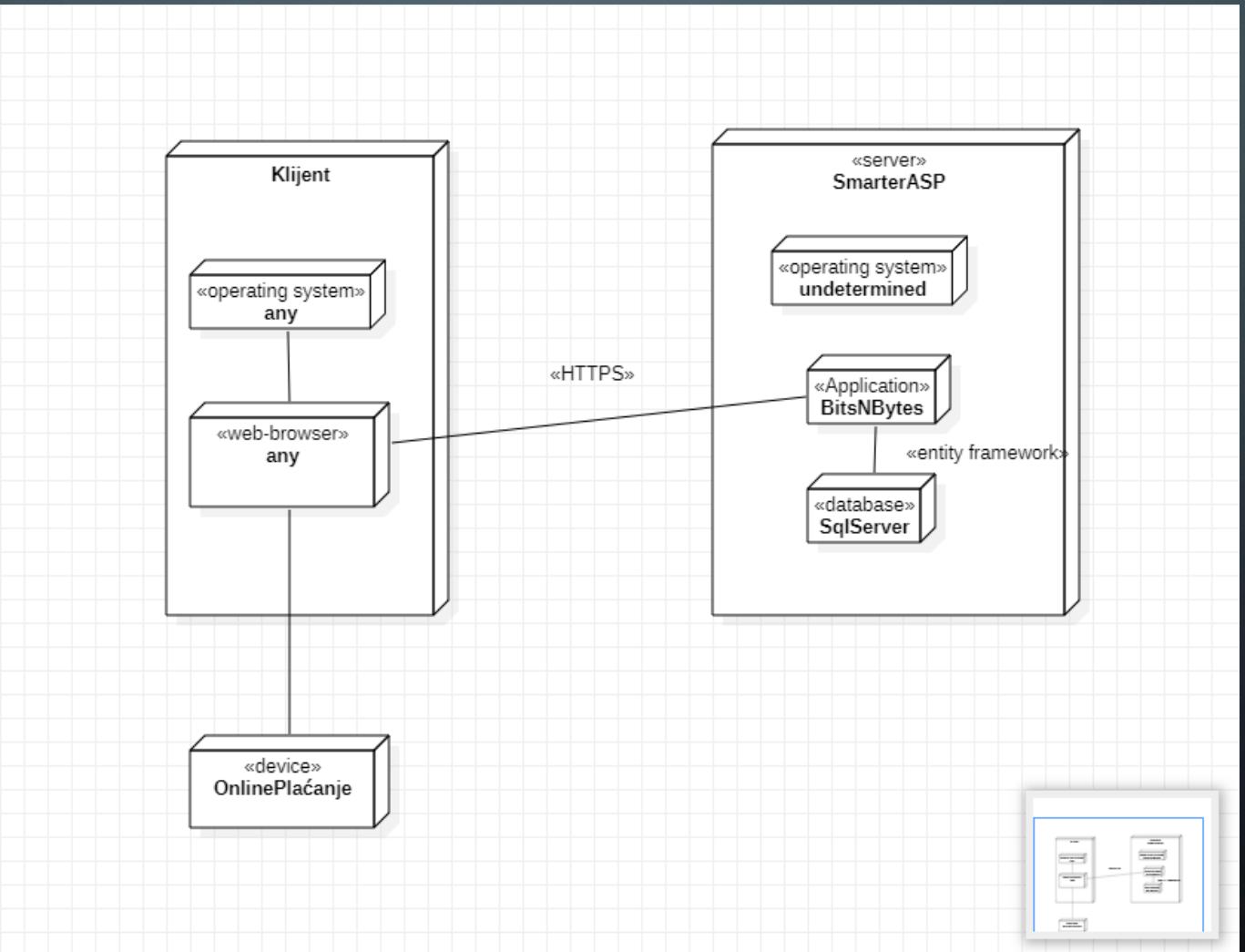
DIJAGRAM KOMPONENTI



DIJAGRAM PAKETA



DIJAGRAM RASPOREĐIVANJA



PROTOTIPI

QLog InSign Up

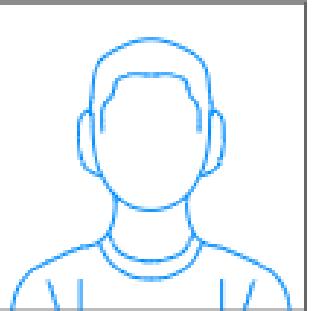
KATEGORIJE	CIJENA	NAZIV ARTIKLA OPIS	
		Buy Add	



Registracija

registracija.etfbay.unsa.ba





Ime i prezime: Neko Nekić

Datum rođenja: 01 01 2001

Lokacija: Sombor

E-mail: nekonekić@etf.unsa.ba

Username: nekonekić

Password: nekonekić

Molimo ponovite password:

Password: nekonekić

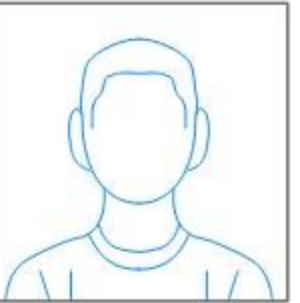
Stavim se sa uslovima korišćenja

Registracija

Prijava

prijava.etfbay.unsa.ba





User Name:

Password:

[Forgot Password?](#)

Novi korisnik? [Registracija](#)

Prijava

Pregled Profila

www.etfbay.unsa.ba/profil/oad2022

ID Korisnika: 000000001

Naslovna Profil Moji Artikli Dojmovi Pomoć

Informacije o korisniku

Ime i prezime: Neko Nekić

Datum rođenja: 04.05.1980.

Informacije o prebivalištu

Mjesto stanovanja: Sarajevo

Ulica stanovanja: Champs-Élysées

Poštanski broj: 90210

ETF Kredit

Stanje: 1878

Upload Slike

Dopuni Kredit

Potvrди Izmjene



ETF kredit

www.etfbay.unsa.ba/etfkredit/oad2022



Odaberite način dopune:

Dopuna SMS-om

Dopuna kreditnim ili debitnim karticom

Trenutno stanje: **1000 ETF kredita**

Unesite broj ETF kredita: **220**

Iznos u KM : **20 KM**

Broj kartice

Mjesec **Godina**

CW Code

Potvrdi plaćanje

[Moj Profil](#)[Dodaj Artikal](#)[Naslovnica](#)[Odjava](#)

Neki Artikal

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199.99KM

[Uredi Artikal](#)

Neki Artikal

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

199.99KM

[Uredi Artikal](#)

Neki Artikal

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199.99KM

[Uredi Artikal](#)

Dodavanje artikla

etfbay.unsa.ba/dodavanjeartikla/ooad2022



Naslov artikla	SSD Kingston 512GB
Kategorija	SSD disk
Proizvođač	Kingston
Model	A400
Stanje	Novo/potpuno
Cijena	100 KM

Dodaj sliku

Dodaj artikal

Page 1

https://www.etfbay.provjeravaldnosti.com

Odabrani korisnik: @korisnikabc

etfbay

Naziv artikla: AMD Ryzen 5 1600

Cijena: 199.99 KM

Kategorija: Procesor

Stanje: Korišten

Spasi izmjene

Uredi slike

Obriši artikal

Uploadovane slike artikla

Opis artikla

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur?

Administracija

https://etfbay.adminpanel.com/



Spisak korisnika koji su prijavljeni

@korisnik3
@korisnik4
@korisnik5
@korisnik6
@korisnik7

Promjeni korisnika



Ime i prezime:

@korisnik1

Datum rođenja:

02.02.2020.

Ulica stanovanja:

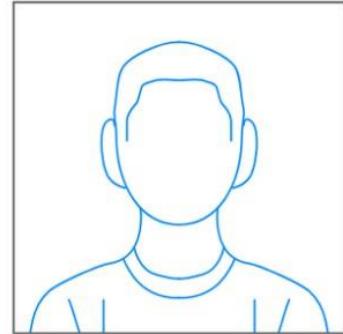
Ferhadija

Grad i poštanski broj:

Sarajevo, 73000

ETF Kredit:

1378



Trenutne privilegije

- Prodavač
- Kupac

SPASI IZMJENE
Uključujući i privilegije

Ukini sve privilegije

Pogledaj articke

Obriši korisnika

Plaćanje

www.etfbay.unsa.ba/placanje/oad2022



Odaberite način plaćanja:

Plaćanje pouzećem
 Plaćanje kreditnom ili debitnom karticom
 Plaćanje ETF-Kreditom

Vrijednost narudžbe: 124.50 KM

Troškovi dostave : Besplatno

Ukupno za platiti: 124.50 KM

Broj kartice

Mjesec Godina

CW Code

Potvrdi plaćanje

April 2022

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Predviđeni datum isporuke

Plaćanje

www.etfbay.unsa.ba/plaćanje/oad2022



Odaberite način plaćanja:

Plaćanje pouzećem
 Plaćanje kreditnom ili debitnom karticom
 Plaćanje ETF-kreditom

Vrijednost narudžbe: 124.50 KM

Troškovi dostave : Besplatno

Ukupno za platiti: 124.50 KM

ETF-Kredita : 12450

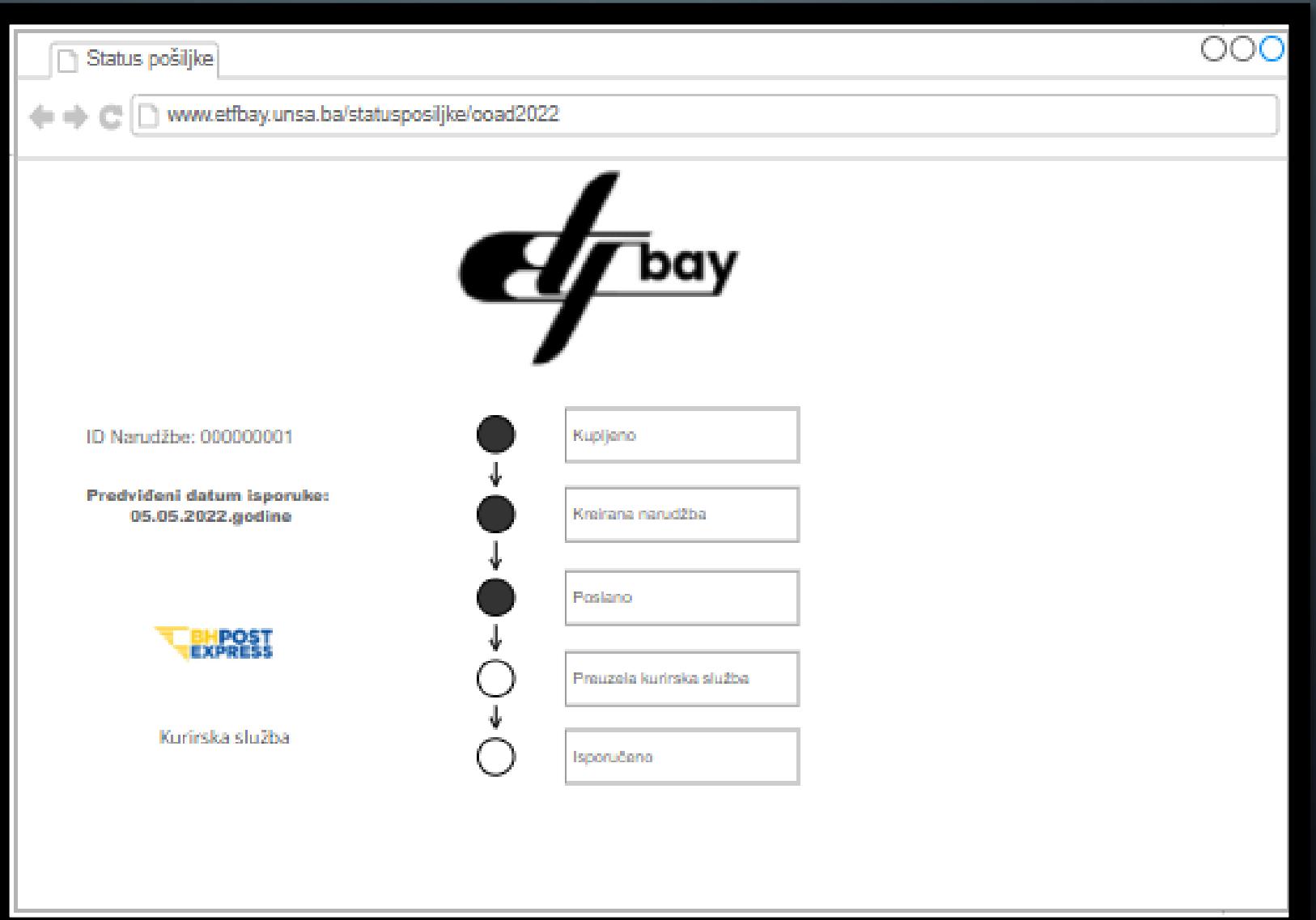
Predviđeni datum isporuke

24 April 2022

Mo Tu We Th Fr Sa Su

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Potpuni plaćanje



JOŠ JEDNA STVAR...

ETF KREDIT – SEDMIČNO IZVLAČENJE

- Podsticanje na korištenje valute
- Izvlačenje svaki mjesec
- Vrijedni iznosi





HVALA NA PAŽNJI!