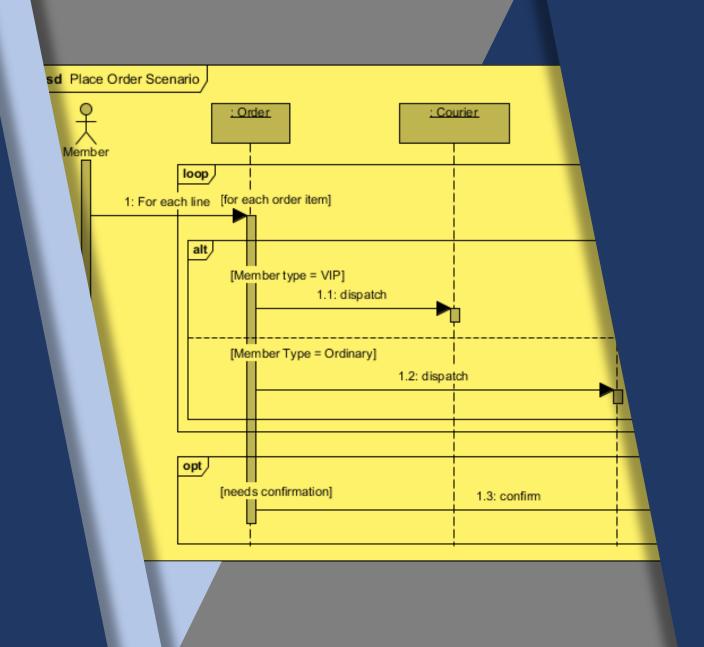
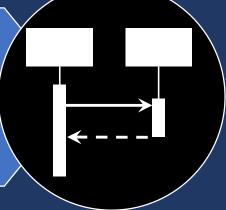
Specifikacija i modeliranje softvera

Dijagrami sekvenci i komunikacije

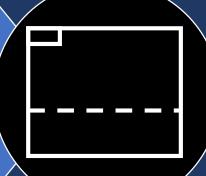
Nikola Luburić nikola.luburic@uns.ac.rs



Kako izgleda struktura dijagrama sekvenci?



Čemu služe kombinovani fragmenti?



Šta su dijagrami komunikacije?

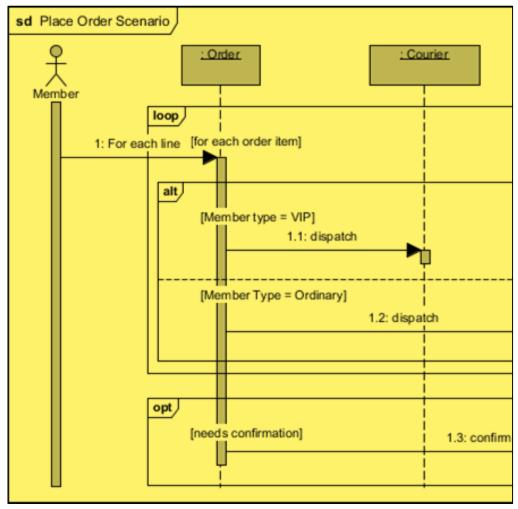


Opisuju dinamiku sistema

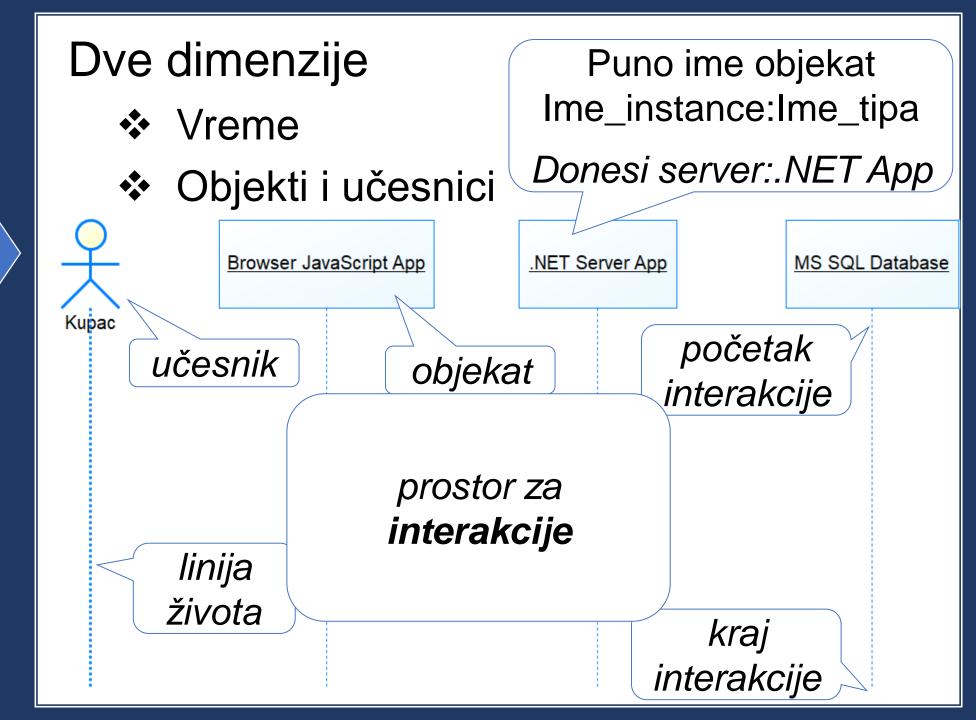
- Opis toka poruka između objekata i učesnika
- Interakcije poslagane u vremenske sekvence

Korisni za opis složenih scenarija

- Određivanje zahteva
- Razmatranje dizajna



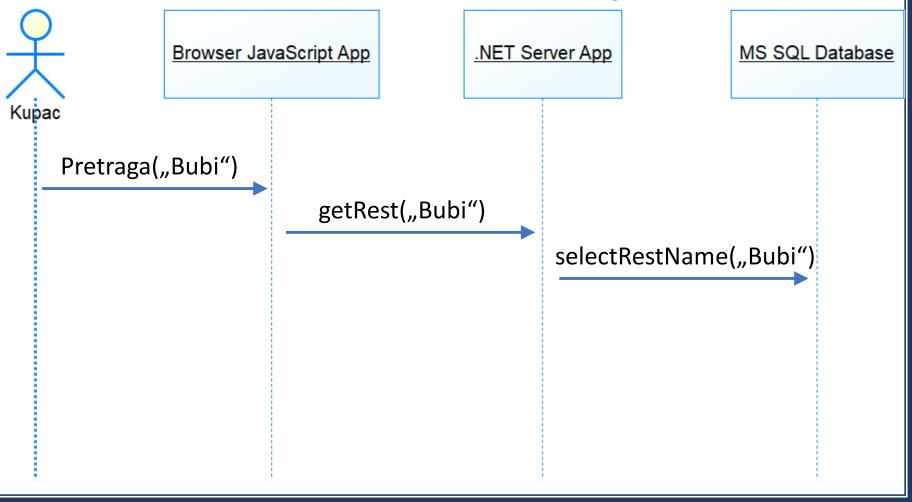






Poruka (message)

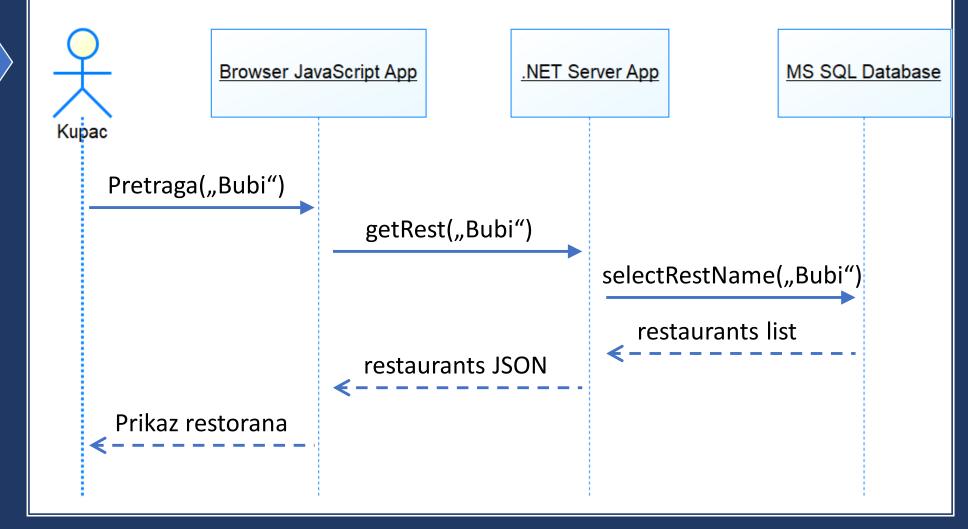
- Prenos informacije između čvorova
- Ime funkcije/operacije i argumenti





Povratna poruka (return message)

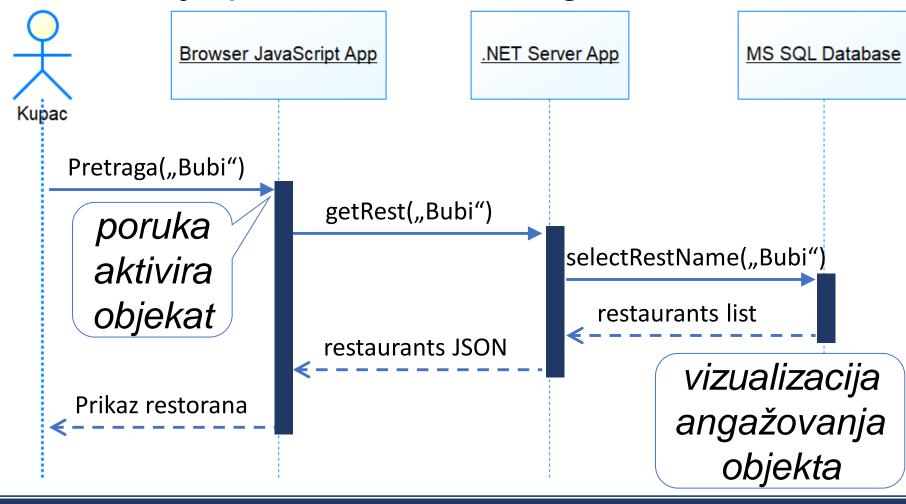
Odgovor na poruku





Aktivacija (execution/activation)

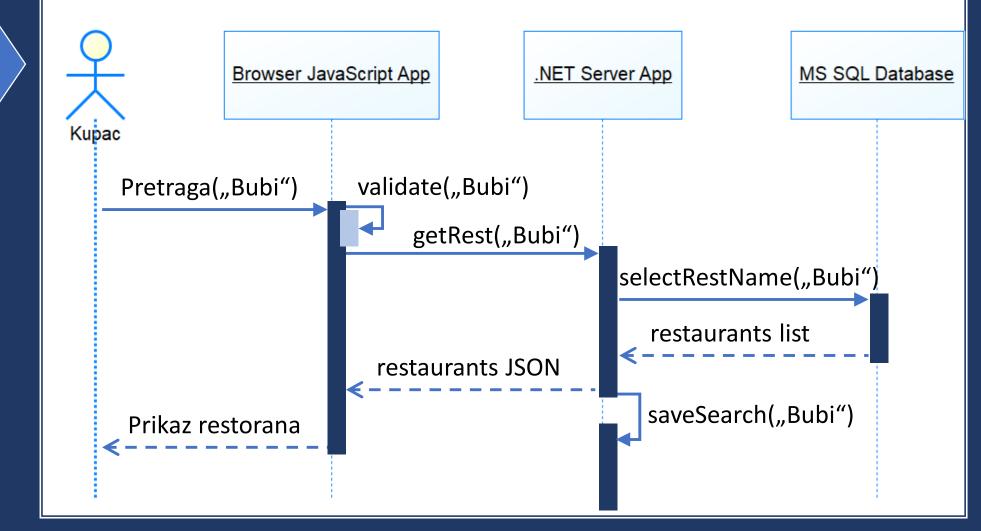
Period kada objekat vrši akcije, šalje poruke ili čeka odgovor





Rekurzivna poruka (self call message)

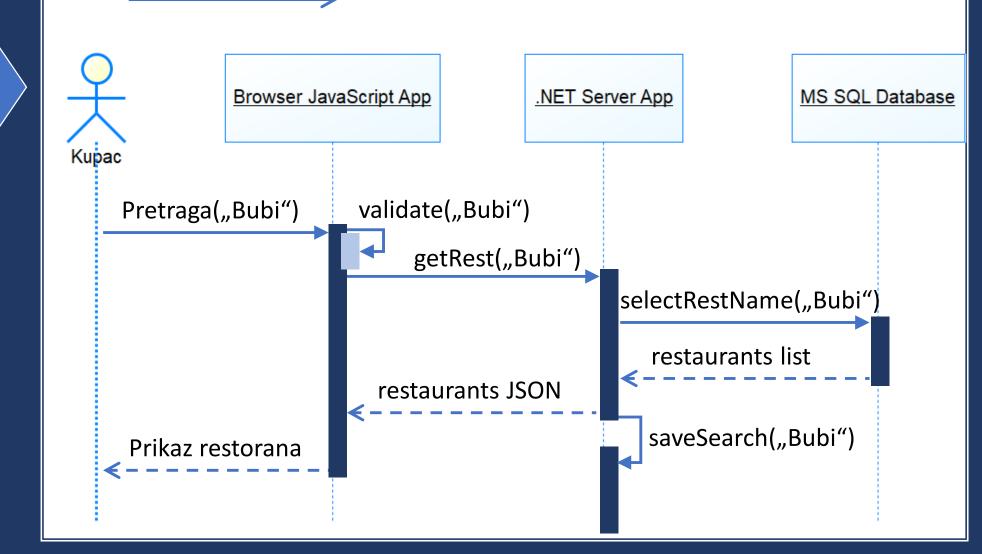
Poruka koju objekat uputi sam sebi





Asinhrona poruka (asynchronous message)

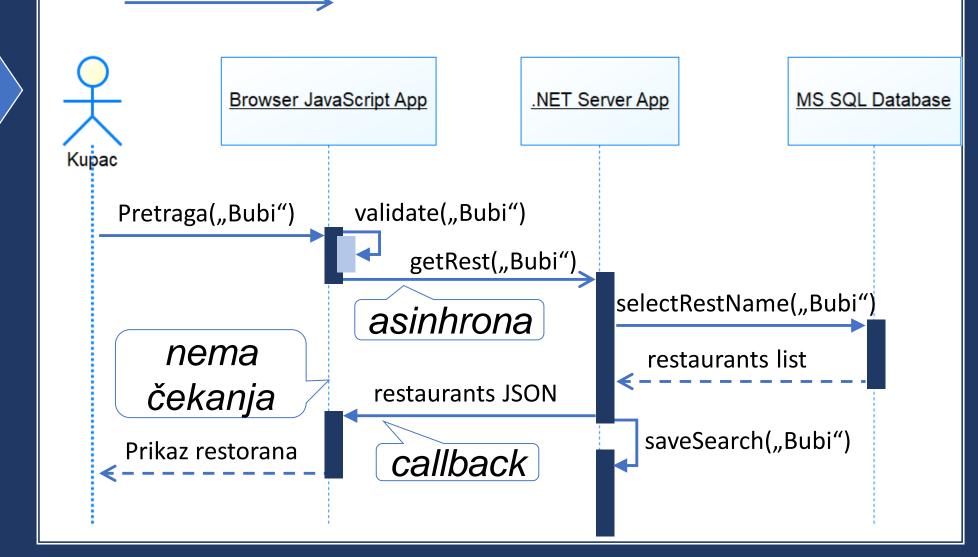
Poruka za koju objekat ne čeka odgovor





Asinhrona poruka (asynchronous message)

Poruka za koju objekat ne čeka odgovor



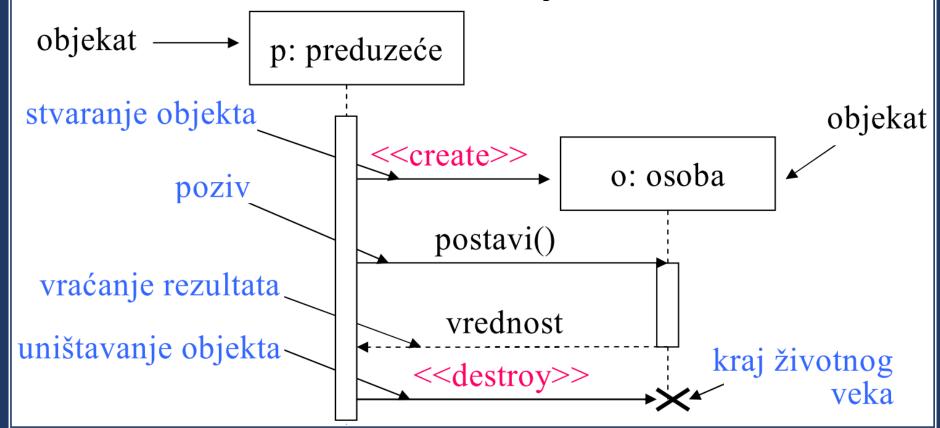


Poruka stvaranja (create message)

Kreira instancu objekta

Poruka uništavanja (destroy message)

Uništava instancu objekta

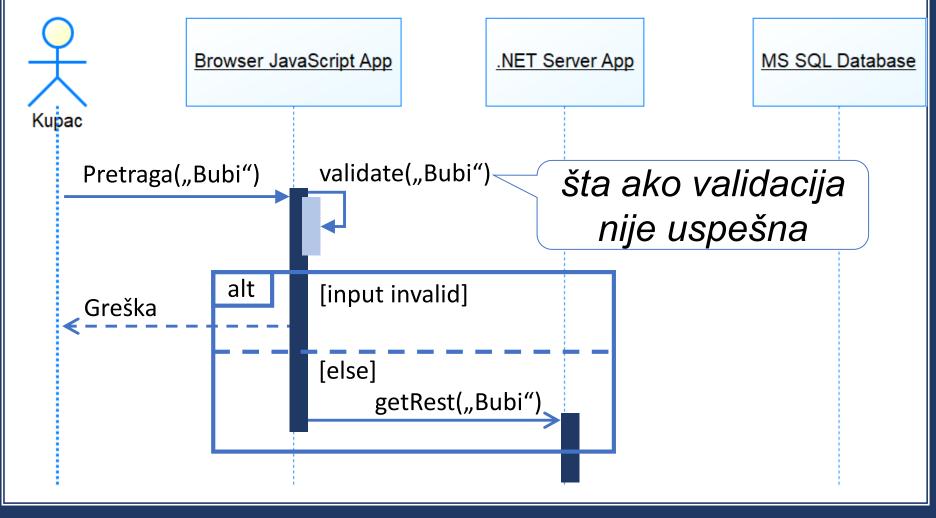






Alternative (alt - alternative)

- Vršenje interakcija spram uslova (*if-else*)
- Može imati više alternativa

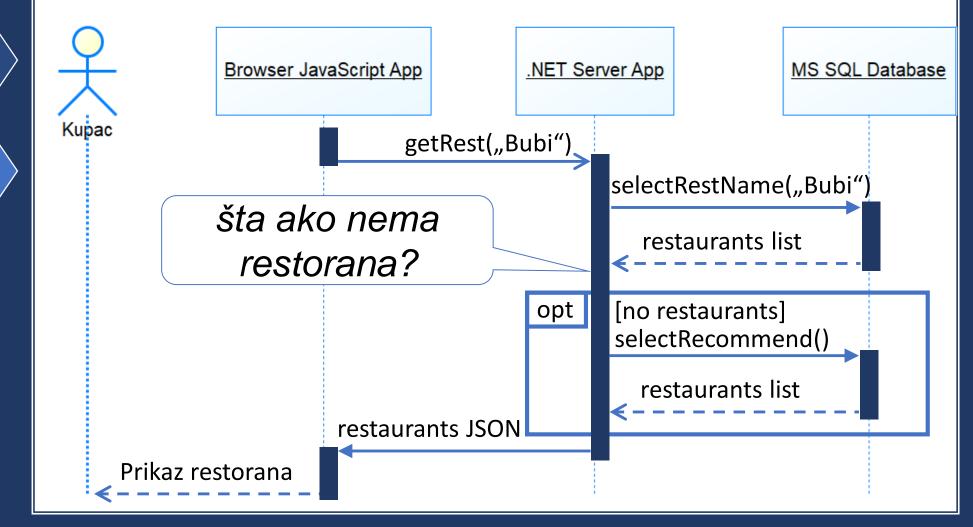






Opcija (opt - option)

Vršenje interakcija ako je ispunjen uslov







Petlja (loop)

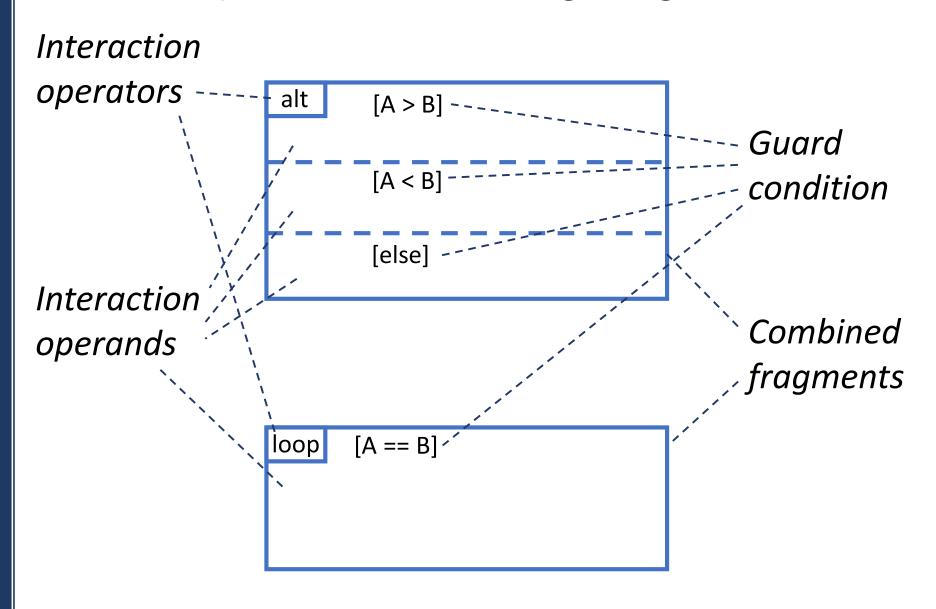
- Ponovljeno vršenje interakcija
- ❖ Od *min* do *max* puta, sve dok *uslov* važi





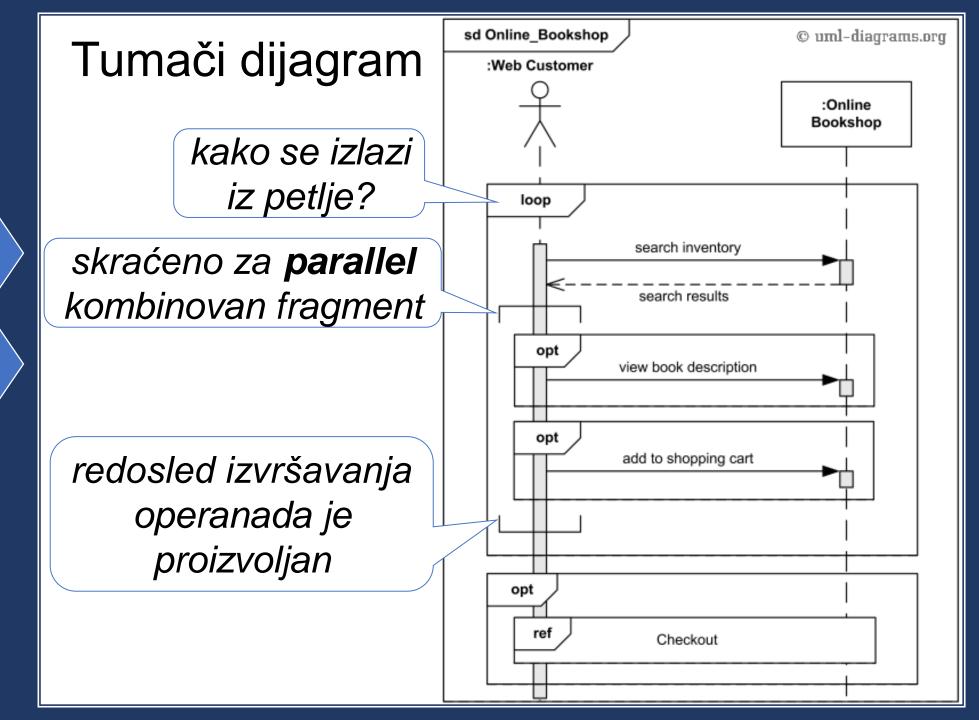


Anatomija kombinovanog fragmenta







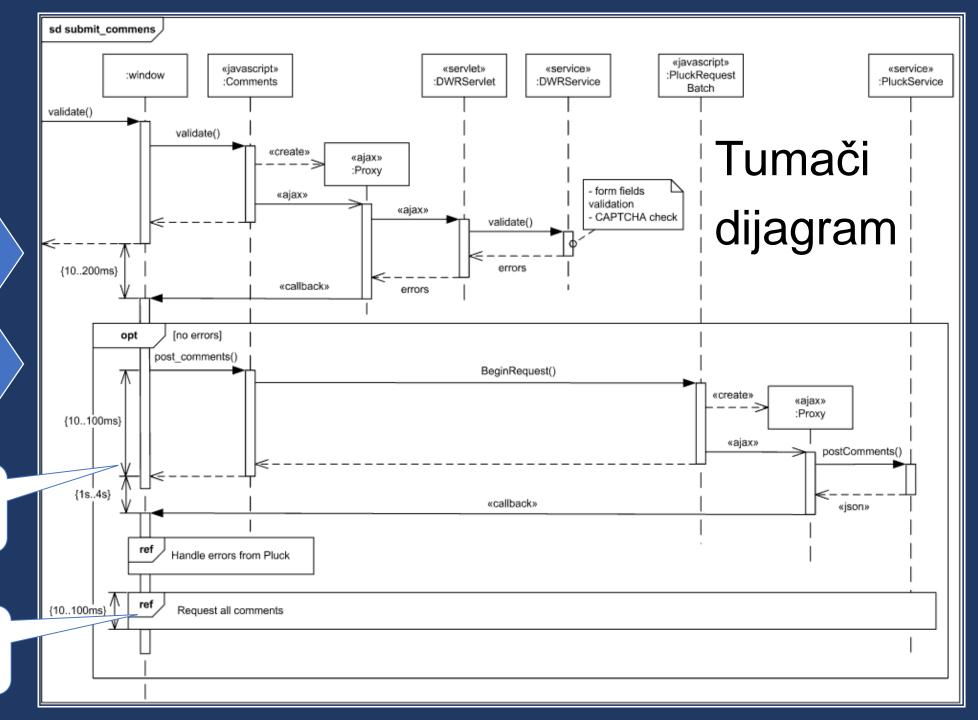






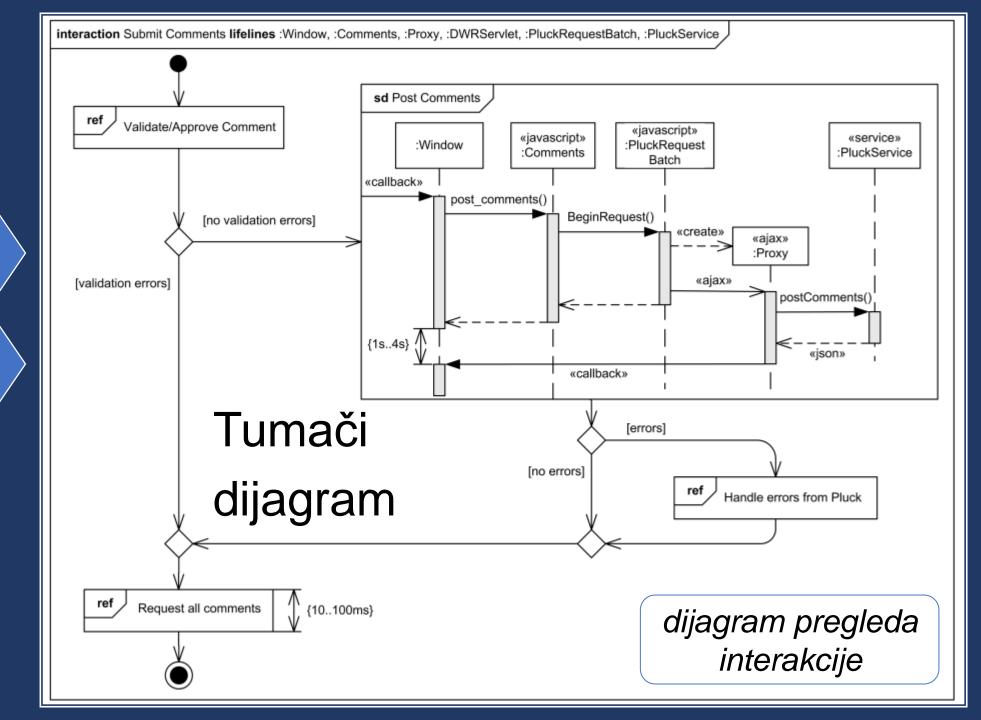
vremensko ograničenje

referenca na drugi dijagram









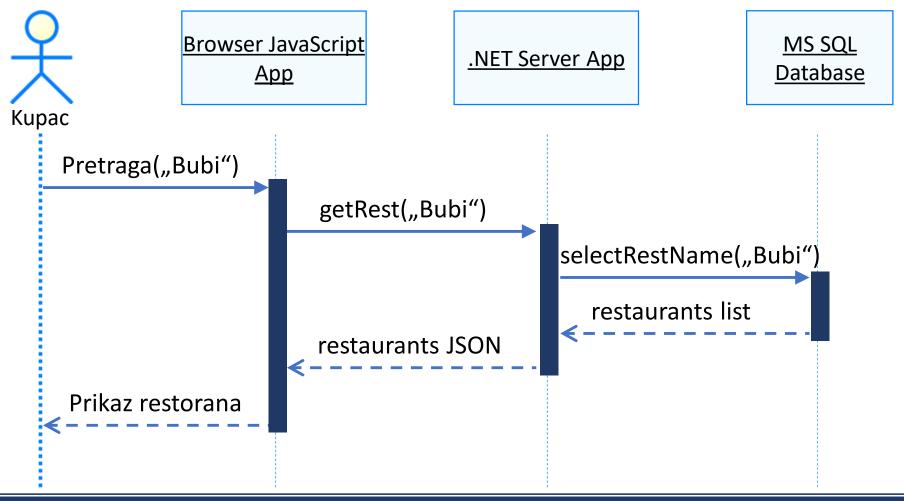






"Drugi pogled na dijagram sekvence"

- Kompaktniji, veća primena tokom dizajna
- Redosled poruka se označava brojevima



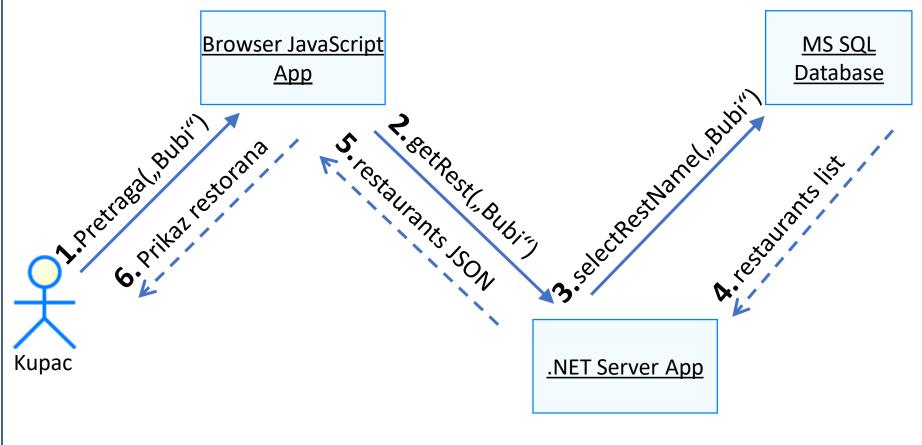






"Drugi pogled na dijagram sekvence"

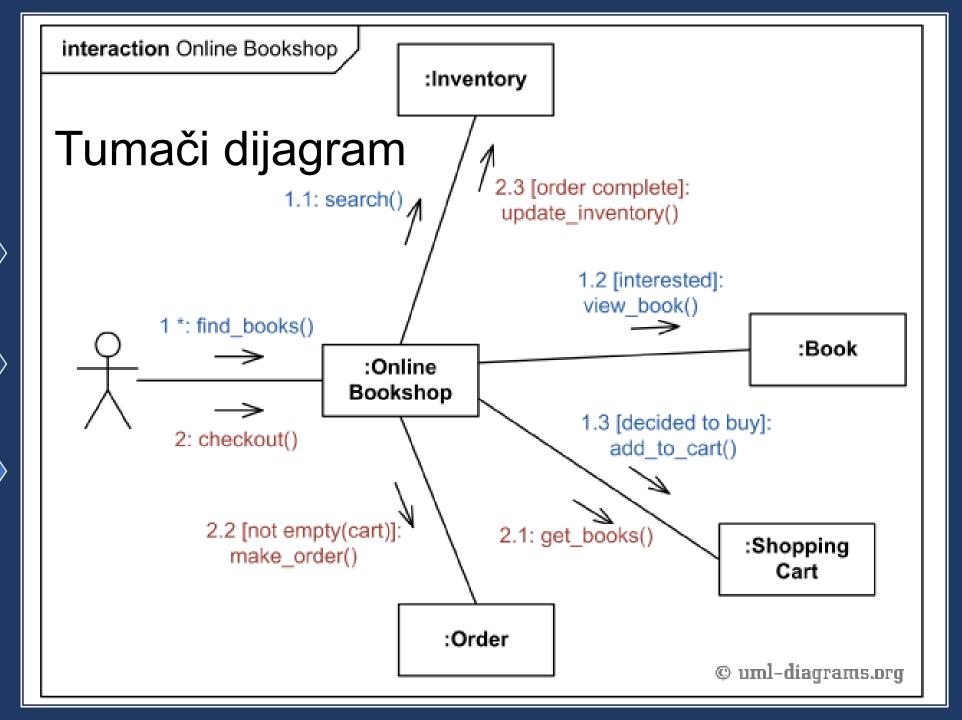
- Kompaktniji, veća primena tokom dizajna
- Redosled poruka se označava brojevima







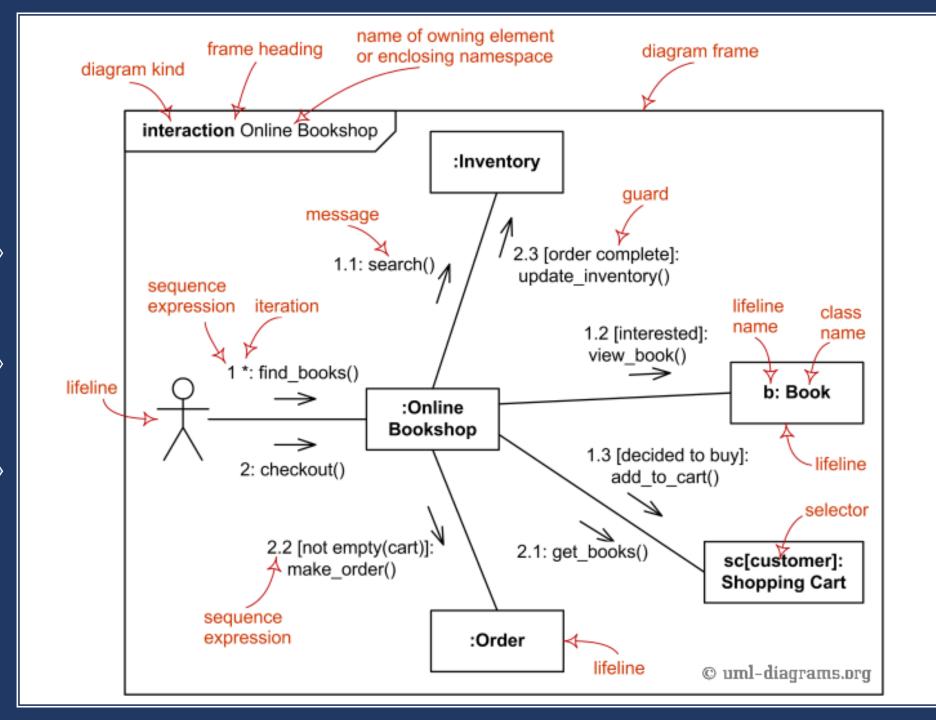
















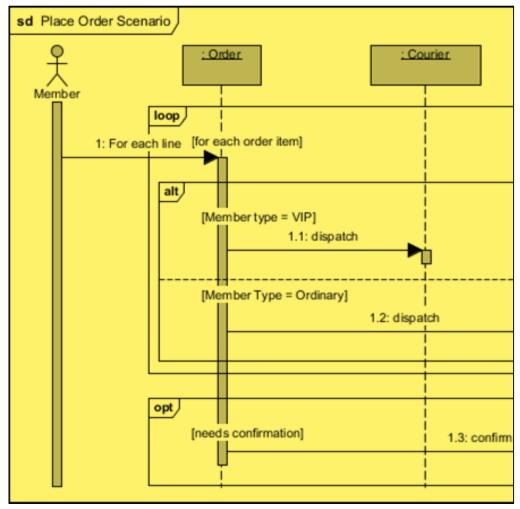


Opisuju dinamiku sistema

- Opis toka poruka između objekata i učesnika
- Interakcije poslagane u vremenske sekvence

Korisni za opis složenih scenarija

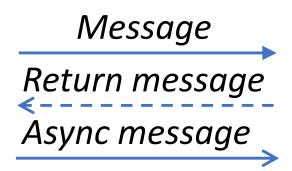
- Određivanje zahteva
- Razmatranje dizajna





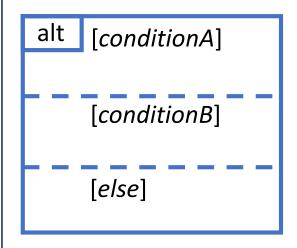


Object



Activation





loop(min,max)
[condition]

opt [condition]



