

Relacije:

- Korisnik ( {IdK, ImeK, NazK, SiftK, BrTelK, Email, TipK}, {IdK} )
- Sudija ( {IdK, SertS}, {IdK} )
- Organizator ( {IdK}, {IdK} )
- Takmicar ( {IdK, IskT, PolT, DatRoT, IdKl}, {IdK} )
- Trener ( {IdK}, {IdK} )
- Zalba ( {IdK, IdK\_opt }, {IdK + IdK\_opt} )
- Sudi\_na ( {IdK, IdTak}, {IdK + IdTak} )
- Klub ( {IdKl, NazKl, BorKl, IdK\_Trener}, {IdKl} )
- Takmicenje ( {IdTak, NazTak, DatTak, BorTak, LokTak, IdK\_Organizator}, {IdTak} )
- Kategorija ( {IdKat, NazKat, TezKat, IskKat, IdTak}, {IdKat} )
- Prijava ( {IdK, IdKat}, {IdK + IdKat} )
- Zleb ( {IdZl, BrRun, BrMec, TipZl, IdKat}, {IdZl} )
- Mec ( {IdMe, PoMe, BorMe, TipMe, IdZl}, {IdMe + IdZl} )
- Je\_na ( {IdMe, IdZl, IdK, IdKat} { IdMe + IdZl + IdK + IdKat} )
- Rezultat ( {IdRez, Rez, Ish, IdMe, IdZl, IdK, IdKat}, {IdRez} )

Ogranicenja:

**IS-A:**

- $Sudija[IdK] \subseteq Korisnik[IdK]$
- $Organizator[IdK] \subseteq Korisnik[IdK]$
- $Takmicar[IdK] \subseteq Korisnik[IdK]$
- $Trener[IdK] \subseteq Korisnik[IdK]$
- $Korisnik[IdK] \subseteq Sudija[IdK] \cup Organizator[IdK] \cup Takmicar[IdK] \cup Trener[IdK]$
- $Sudija[IdK] \cap Organizator[IdK] = \emptyset \wedge Sudija[IdK] \cap Takmicar[IdK] = \emptyset \dots$  (da ne pišem dalje podrazumjevaju se ostale kombinacije)

**Takmicar:**

- $Takmicar[IdKl] \subseteq Klub[IdKl]$
- $Null(Takmicar, IdKl) = T$

**Zalba:**

- $Zalba[IdK] \subseteq Takmicar[IdK]$
- $Zalba[IdK_opt] \subseteq Takmicar[IdK]$
- $dom(IdK_opt) \subseteq dom(IdK)$

**Sudi na:**

- $Sudi_na[IdK] \subseteq Sudija[IdK]$
- $Sudi_na[IdTak] \subseteq Takmicenje[IdTak] ; Takmicenje[IdTak] \subseteq Sudi_na[IdTak]$

**Klub:**

- $\text{Klub}[\text{IdK\_Trener}] \subseteq \text{Trener}[\text{IdK}]$
- $\text{Null}(\text{Klub}, \text{IdK\_Trener}) = \perp$
- $\text{dom}(\text{IdK\_Trener}) \subseteq \text{dom}(\text{IdK})$

**Takmicenje:**

- $\text{Takmicenje}[\text{IdK\_Organizator}] \subseteq \text{Organizator}[\text{IdK}]$
- $\text{Null}(\text{Takmicenje}, \text{IdK\_Organizator}) = \perp$
- $\text{dom}(\text{IdK\_Organizator}) \subseteq \text{dom}(\text{IdK})$

**Kategorija:**

- $\text{Kategorija}[\text{IdTak}] \subseteq \text{Takmicenje}[\text{IdTak}]$
- $\text{Null}(\text{Kategorija}, \text{IdTak}) = \perp$

**Prijava:**

- $\text{Prijava}[\text{IdK}] \subseteq \text{Takmicar}[\text{IdK}]$
- $\text{Prijava}[\text{IdKat}] \subseteq \text{Kategorija}[\text{IdKat}]; \text{Kategorija}[\text{IdKat}] \subseteq \text{Prijava}[\text{IdKat}]$

**Zleb:**

- $\text{Zleb}[\text{IdKat}] \subseteq \text{Kategorija}[\text{IdKat}]$
- $\text{Null}(\text{Zleb}, \text{IdKat}) = \perp$

**Mec:**

- $\text{Mec}[\text{IdZI}] \subseteq \text{Zleb}[\text{IdZI}]; \text{Zleb}[\text{IdZI}] \subseteq \text{Mec}[\text{IdZI}]$

**Je\_na:**

- $\text{Je\_na}[\text{IdMe} + \text{IdZI}] \subseteq \text{Mec}[\text{IdMe} + \text{IdZI}]$
- $\text{Je\_na}[\text{IdK} + \text{IdKat}] \subseteq \text{Prijava}[\text{IdK} + \text{IdKat}]; \text{Prijava}[\text{IdK} + \text{IdKat}] \subseteq \text{Je\_na}[\text{IdK} + \text{IdKat}]$

**Rezultat:**

- $\text{Rezultat}[\text{IdMe} + \text{IdZI} + \text{IdK} + \text{IdKat}] \subseteq \text{Je\_na}[\text{IdMe} + \text{IdZI} + \text{IdK} + \text{IdKat}]$
- $\text{Null}(\text{Rezultat}, \text{IdMe} + \text{IdZI} + \text{IdK} + \text{IdKat}) = \perp$

