8 - Function Points

sabato 18 marzo 2023 08:57

8. Function Points

The application under investigation allows to manage a list of restaurants, managing the following information:

- · Restaurant code;
- Chain/Single restaurant;
- VAT number;
- · Name of the restaurant:
- Street code:
- · Street number;
- City;
- Province;
- Type code;
- Opening date.

You also want to manage a list of types of restaurants:

- Type code;
- Type description.

A street directory on the Web, external to the application, lists all the streets with a unique code:

- Street code:
- · Street name;
- Coordinates

The features to be implemented are:

- Insertion of a restaurant with the code of an existing type;
- Restaurant modification (whose search is done with the restaurant code);
- · Restaurant cancellation;
- Inclusion of restaurant types in the types list;
- Modification of the type of restaurants in the types list (whose search is done with the Type code);
- · Cancellation of type of restaurant;
- Display all restaurants with restaurant data, coordinates, street name, type description and total count;
- Single restaurant display with restaurant data, coordinates, street name, type description.

Calculate the dimension in Function Points of the above application, by providing all the explanations of your calculus and motivations for your choices. Consider the following tables:

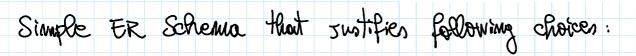
ILF/EIF complexity

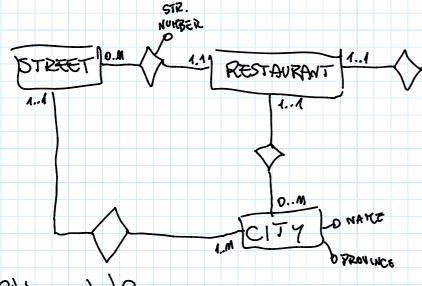
Ret/Det	1-19 Det	20-50 Det	51+ Det
1 Ret	Low (7/5)	Low (7/5)	Medium (10/7)
2-5 Ret	Low (7/5)	Medium (10/7)	High (15/10)
6+ Ret	Medium (10/7)	High (15/10)	High (15/10)

ΕI

FTR / DET	1-4 DET	5-15 DET	16+ DET
0 – 1 FTR	Low (3)	Low (3)	Medium (4)
2 FTR	Low (3)	Medium (4)	High (6)
3+ FTR	Medium (4)	High (6)	High (6)

EO/EQ					
FTR / DET	1-5 DET	6/19 DET	20+ DET		
0 – 1 FTR	Low (4/3)	Low (4/3)	Medium (5/4)		
2-3 FTR	Low (4/3)	Medium (5/4)	High (7/6)		
4+ FTR	Medium (5/4)	High (7/6)	High (7/6)		





Resulting tables.

Restaurant (Cook, Chain, VAT, name, Op. date, Str., mun, Street, Type,

City,

Street (Code, Manne, Goordinates, City)
City (Manne, Province)

City (Mauro, Province) Type (Cook, Description)

ILF/ELF:

- · ILF Pertauraunt 1 RET 9 DET -> 7
- · ILF City
 · ILF Type 2 DET -> 7 1 RET
- 2 DET -> 7 1 KET
- · ELF Street 1 25 4 DET -) 5

EI:

- · INS Restaurant 4FTR 9 DET -> 6
- . UPD Restauxant 4 FTR 8 DET -> 6
- · DEL Restaurcount 1FR 1 DET -> 3
- 1 FIR 2 DET -> 3 · INS Type

 · UPD Type
- 1 FTR 1 DET -> 3
- 1 FTR 1 DET -> 3 · Ut Type 24

Eo:

· DISPLAY 3FTR 13 DET -) 5

EQ:

- · DISPLAY! 3FTR 12 DET -) 4
- =) Function Points: 26+24+5+4=53.