

Software for reports in business entities BITool

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Outline

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2. Functions of **BITool** application
3. Conclusions

1. Introduction

The use of information technologies in business environment is important part of IT services nowadays. Depending on the type of business the type of applications defer. Some businesses require specific software that have to be programmed according to their needs. On the other hand there are business applications that can be used in variety of businesses as their functions cover operations that are typical among businesses. BITool is one such example used from trading companies that helps ordering data and generating a variety of queries.

The aim of this presentation is to show some of the most important features of BITool.

2. Functions of the application BITool

- The following slides will present the main functions that the application offers

Main Screen

The screenshot shows the BITool application window with the title "BITool - C:\BITOOL\DEMO1.BIT". The interface includes a menu bar with "Действия", a toolbar with various icons, and a main data area titled "Данни от базата Northwind". Below this is a "Факти" section containing a table with columns for "Клиент", "Търговец", "Година/М", and "Общо" (subdivided into "Стойност" and "Отстъпка").

Клиент	Търговец	Година/М	Общо					
			Стойност	Отстъпка	Стойност	Отстъпка		
→ Alfreds Futterkiste			4273.00	323.20				
→ Ana Trujillo Emparedados Y Helados			1402.95	0.00				
→ Antonio Moreno Taqueria			7023.98	491.38				
→ Around The Horn			13390.65	415.85				
→ B's Beverages			6089.90	0.00				
→ Berglunds Snabbkop			24927.57	2040.58				
→ Blauer See Delikatessen			3239.80	0.00				
→ Blondesddsl Pere Et Fils			18534.08	553.92				
→ Bolido Comidas Preparadas			4232.85	1064.95				
→ Bon App'			21963.25	1887.70				
→ Bottom-dollar Markets			20801.61	1806.11				
→ Cactus Comidas Para Llevar			1814.80	0.00				
→ Centro Comercial Moctezuma			100.80	0.00				
→ Chop-suey Chinese			12348.88	537.42				

Opening the knot in dimension and detailed view of the information

BITool - C:\BITOOL\DEMO1.BIT

Действия

Многомерен куб Дървовидно представяне

Данни от базата Northwind

Факти

Клиент	Търговец	Година
→ Alfreds Futterkiste		
→ Ana Trujillo Emparedados Y Helados		
→ Antonio Moreno Taqueria		
→ Around The Horn	→ Callahan	199702
	→ Davolio	199706
		199711
		Общо
	→ Dodsworth	
	→ Leverling	
	→ Peacock	
	→ Suyama	
	Общо	
	→ B's Beverages	

Общо

Изходни данни - 2 records.

Клиент	Град	Страна	Търговец	Заявка	Да
→ Around the H	London	UK	Dodsworth	10953	16
→ Around the H	London	UK	Dodsworth	11016	10


Клиент	Търговец	Година	Общо	Заявка
→ Around The Horn	→ Callahan	199702	2142.90	0.00
→ Around The Horn	→ Davolio	199706	319.20	16.80
		199711	2869.80	62.10
		Общо	4932.75	233.75
→ Around The Horn	→ Dodsworth		1668.10	0.00
→ Around The Horn	→ Leverling		2541.00	120.00
→ Around The Horn	→ Peacock		480.00	0.00
→ Around The Horn	→ Suyama		13390.65	415.85
→ Around The Horn	Общо		6089.90	0.00

Changing the order of dimensions

BITool - C:\BITOOL\DEMO1.BIT

Действия

Многомерен куб Дървовидно представяне

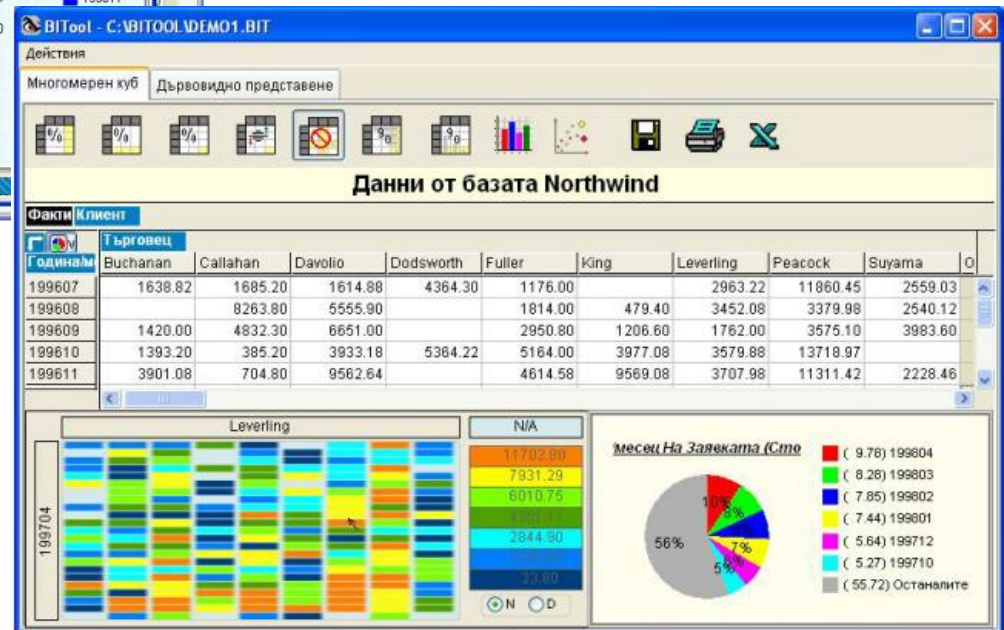
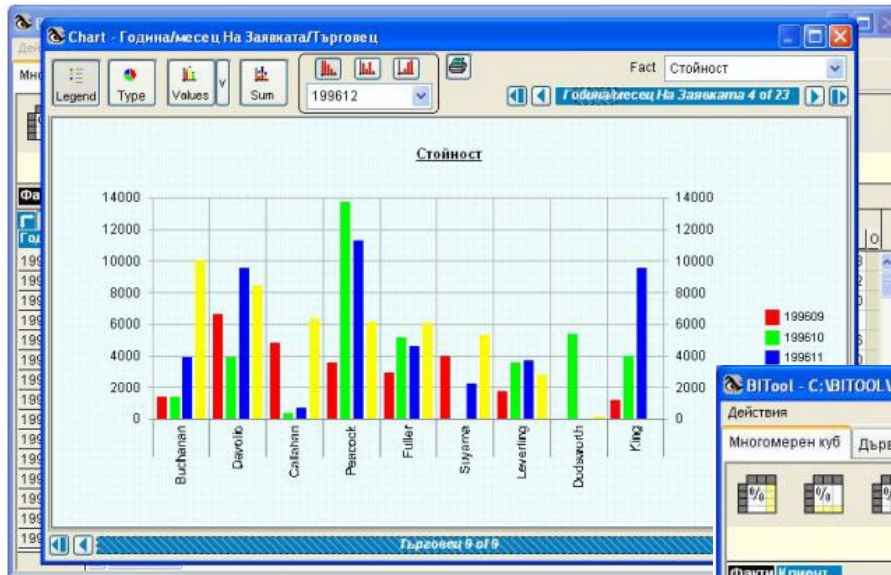


Данни от базата Northwind

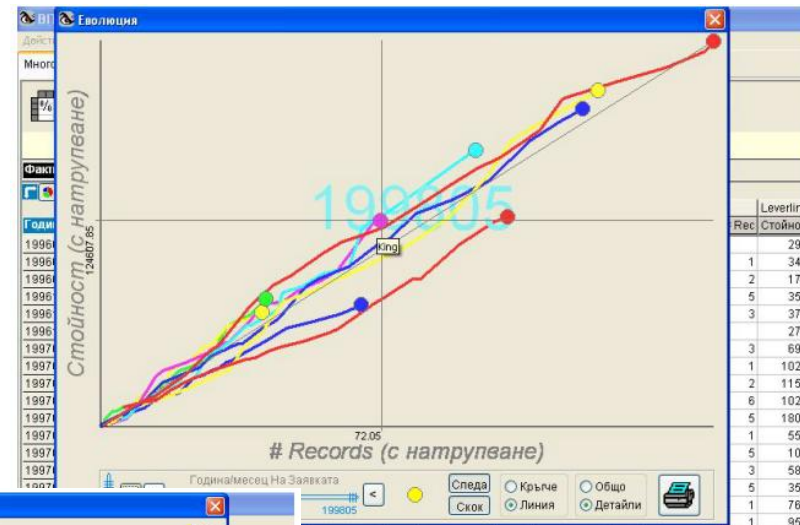
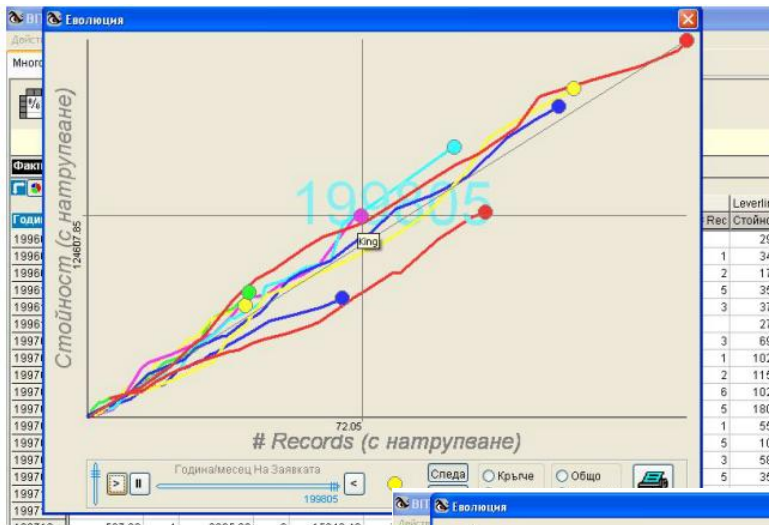
Факти Клиент

Година	Търговец								
	Callahan	Davolio	Dodsworth	Fuller	King	Leverling	Peacock	Suyama	Общо
199705	4402.40	9115.96	139.80	4373.32	5536.96	18049.60	6915.28	747.70	53781.30
199706	2262.91	5468.35	3482.50	6882.20	2082.00	5599.78	4082.84	3464.81	36362.79
199707	3547.88	19530.93	23.80	7965.00	5563.98	1081.97	5530.90	1301.00	51020.86
199708	4493.72	5104.70	1446.00	57.50	6706.59	5831.60	16485.54	3576.44	47287.67
199709	2758.80	7441.55	8776.15	9286.65	13249.86	3555.90	7931.29	804.21	55629.24
199710	11316.75	12414.15	378.00	10164.80	642.00	7626.96	10439.84	6185.40	66749.23
199711	3840.00	4089.90	7117.36	3567.00	1890.50	9598.08	6624.25	6322.45	43533.80
199712	3925.33	15340.46	1910.00	7540.24	872.00	17636.65	16235.32	7431.42	71398.42
199801	11263.71	8115.36	5353.32	4351.11	6610.00	25705.02	19245.97	1874.83	94222.12
199802	106.00	11147.51	19203.34	23127.55	6317.13	21540.24	10643.06	1953.40	99415.29
199803	20728.13	24827.45	7045.01	13937.64	6186.35	16360.13	8298.45	5068.98	104854.18
199804	13777.10	12587.23	9501.50	30990.28	28590.57	12957.36	9937.71	5246.95	123798.70
199805	2714.60	6517.47		1929.98	1160.84		6010.75		18333.64
Общо	126862.27	192107.61	77308.08	166537.76	124568.24	202812.86	232890.86	73913.14	1265793.12

Putting dimensions in order depending on a defined factor



Visualizing the change in dependence between two factors in time and the development of one factor in time



Using the application for searching of information

The application displays a search results table with the following data:

Дата на заявката	Дата за доставка	Дата на спедиция	Доставчик
08-04-1998 00:00:00	06-05-1998 00:00:00		Federal Shipping
13-04-1998 00:00:00	11-05-1998 00:00:00		Federal Shipping
21-04-1998 00:00:00	19-05-1998 00:00:00		United Package
22-04-1998 00:00:00	20-05-1998 00:00:00		Federal Shipping
23-04-1998 00:00:00			
27-04-1998 00:00:00			
28-04-1998 00:00:00			
29-04-1998 00:00:00			
30-04-1998 00:00:00			
30-04-1998 00:00:00			
01-05-1998 00:00:00			
04-05-1998 00:00:00			
05-05-1998 00:00:00			
05-05-1998 00:00:00			
05-05-1998 00:00:00			
05-05-1998 00:00:00			
06-05-1998 00:00:00			
06-05-1998 00:00:00			
06-05-1998 00:00:00			
06-05-1998 00:00:00			

The 'Схема' (Schema) dialog box shows a hierarchical tree structure:

- Клиент
 - Град
 - Страна
 - Търговец**
 - Заявка
 - Дата на заявката
 - Дата за доставка
 - Дата на спедиция**
 - Доставчик**
 - Стойност
 - Отстъпка
 - Такса (Навло)
 - Година/Месец на заявката

Using the application for searching of information

The screenshot shows the BITool application window with the following components:

- Filters:** Five dropdown menus for filtering data: Година/Мес (Year/Month), Дата на спедването (Date of purchase), Търговец (Merchant), Страна (Country), and Клиент (Client).
- Buttons:** "Нов избор" (New selection) and "Покажи" (Show) buttons.
- Table:** A table with columns: Клиент (Client), Град (City), Заявка (Request), and Дата на заявката (Request date).
- Summary:** "2 record(s). 0.016 sec. Стойност - Min: 4680.90 Max: 5218 Avg: 4949.45 Sum: 9898.90"

Клиент	Град	Заявка	Дата на заявката
Ernst Handel	Graz	11008	08-04-1998 00:00
Ernst Handel	Graz	11072	05-05-1998 00:00

3. Conclusions

- BiTool is application that can be used by trading companies to prepare reports
- The main functions of the BITool were presented
- The application is used to enter business information and generate reports that help the managers to make decisions
- The application offers graphical visualization of the information

ACKNOWLEDGEMENT

This research is supported by projects



AComIn "Advanced Computing for Innovation", grant 316087, funding by FP7 Capacity Programme, Research Potential of Convergence Regions (2012-2016)