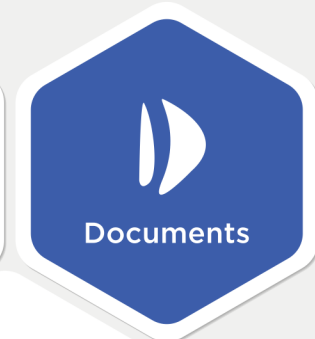


Creating Web Applications with Reports

with:

Troy Taylor, Mateen Firoz, Evan Warren





Agenda

- Reporting Software Overview
- Create Web-based report
- Integrate Report into Web App
- Summary



Poll



Reporting is hard to get right!

- Granting the appropriate level of access for each user
- Creating WYSIWYG reports and exports
- Delivering the appropriate outputs (PDF, HTML, Xlsx, Printing)
- Pixel-perfect formatting
- Having the right controls to represent your data
- In a web environment, the capabilities are limited by the browser



Build or Buy?

■ Cost of Development

- WYSIWIG results
- Printing and exporting
- Creating controls and features
- Keeping everyone's needs in mind
- Intuitive, logical, UI

■ Cost of Maintenance

- Customizing modules, controls, or features
- Support and bug fixes
- Developer turn-over



Features of Reporting Solutions

- Design layouts & templates
- WYSIWYG layouts
- Exporting
- Formatting
- Interaction
- Grouping
- Filtering & Sorting
- Expressions



ActiveReportsJS

A lightweight JavaScript reporting tool for creating and embedding reports into enterprise web applications.



ActiveReportsJS

- JavaScript implementation of ActiveReports
- No server dependencies
- Reporting Engine is in the browser

Lightweight report examples



Zyler
7455 Drew Court
White City
Kansas
66872
U.S.A
270-510-0585

Invoice

Invoice# INV-000136

Balance Due
\$270.000

Invoice Date : 14 Dec 2016
Terms : Due on Receipt
Due Date : 14 Dec 2016
Project Name : Design

#	Task & Description	Hours	Rate	Amount
1	Coding	4.50	60.000	270.000
Sub Total				270.000
Total				\$270.000
Balance Due				\$270.000

Notes
Thanks for your business.

Payment Options  

Terms & Conditions
Please pay the Invoice before the due date.

Product Price List



Product ID	Description	Supplier	Quantity Per Unit	Unit Price
CHA-1	Chai	Exotic Liquids	10 boxes x 20 bags	\$18.00
CHA-2	Chang	Exotic Liquids	24 - 12 oz bottles	\$19.00
ANI-3	Aniseed Syrup	Exotic Liquids	12 - 550 ml bottles	\$10.00
CHE-4	Chef Anton's Cajun Seasoning	New Orleans Cajun Delights	48 - 6 oz jars	\$22.00
CHE-5	Chef Anton's Gumbo Mix	New Orleans Cajun Delights	36 boxes	\$21.35
GRA-6	Grandma's Boysenberry Spread	Grandma Kelly's Homestead	12 - 8 oz jars	\$25.00
UNC-7	Uncle Bob's Organic Dried Pears	Grandma Kelly's Homestead	12 - 1 lb pkgs.	\$30.00
NOR-8	Northwoods Cranberry Sauce	Grandma Kelly's Homestead	12 - 12 oz jars	\$40.00
MIS-9	Mishi Kobe Niku	Tokyo Traders	18 - 500 g pkgs.	\$97.00
IKU-10	Ikura	Tokyo Traders	12 - 200 ml jars	\$31.00
QUE-11	Queso Cabrales	Cooperativa de Quesos 'Las Cabras'	1 kg pkg.	\$21.00
QUE-12	Queso Manchego La Pastora	Cooperativa de Quesos 'Las Cabras'	10 - 500 g pkgs.	\$38.00
KON-13	Konbu	Mayumi's	2 kg box	\$6.00
TOF-14	Tofu	Mayumi's	40 - 100 g pkgs.	\$23.25
GEN-15	Genen Shouyu	Mayumi's	24 - 250 ml bottles	\$15.50
PAV-16	Pavlova	Pavlova Ltd.	32 - 500 g boxes	\$17.45
ALI-17	Alice Mutton	Pavlova Ltd.	20 - 1 kg tins	\$39.00
CAR-18	Carnarvon Tigers	Pavlova Ltd.	16 kg pkg.	\$62.50
TEA-19	Teatime Chocolate Biscuits	Specialty Biscuits Ltd.	10 boxes x 12 pieces	\$9.20
SIR-20	Sir Rodney's Marmalade	Specialty Biscuits Ltd.	30 gift boxes	\$81.00
SIR-21	Sir Rodney's Scones	Specialty Biscuits Ltd.	24 pkgs. x 4 pieces	\$10.00

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Demographics by State

A	2
C	2
D	2
F	2
G	2
H	3
I	3
K	3
L	3
M	4
N	4
O	4
P	5
R	5
S	5
T	5
U	5
V	6
W	6

A

State	Population	Avg Age	Avg Wage	Avg Income
Alabama	4874747	39	\$18,576.02	\$26,471.72
Alaska	739795	36	\$26,372.20	\$34,438.54
Arizona	7016270	39	\$21,217.77	\$29,420.61
Arkansas	3004279	39	\$17,818.74	\$25,272.81

C

State	Population	Avg Age	Avg Wage	Avg Income
California	39536653	38	\$26,575.30	\$35,128.23
Colorado	5607154	38	\$27,868.27	\$36,491.07
Connecticut	3588184	40	\$31,473.41	\$41,961.14

D

State	Population	Avg Age	Avg Wage	Avg Income
Delaware	961939	40	\$24,789.45	\$34,849.83
District of Columbia	693972	37	\$42,849.68	\$52,768.11

F





Demo



Product Summary



Product Breakdown

Designer

- Create report layouts
- Add data sources
- Various report controls
- Cross-platform

Components

- JS & CSS files
- Modules for Report Engine, Viewer & Exports
- Embed in your application



Key takeaways

- Lightweight reporting tool for web development
- Easy to use, cross-platform designer
- New file extension type (RDLX-JSON)
- Embed reports into your application
- PDF, Excel & HTML export options



Questions...



Get Started with ActiveReportsJS today

■ Download Trial

- <https://www.grapecity.com/download/activereportsjs/>

■ Demos

- <https://www.grapecity.com/activereportsjs/demos/>

■ Documentation

- <https://www.grapecity.com/activereportsjs/docs/>

■ Support & Community Forums

- <https://www.grapecity.com/support/portal/>

■ Sales

- Email: activereports.sales@grapecity.com
- Website: <https://www.grapecity.com/contact/>



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Thanks!!