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How to get the Last

Prof. Dr. Christian Horn



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Overview

The Company

Our Approach to e-Assessment

The Brick Wall

How to get around



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Who we are

- Software Technology company
- In the assessment business since 1997



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What we do

- White Label
- Low cost
- e-Assessment Systems
for
- on-line
- high-stakes
- assessment.

How we do it

- Web Based
- Rich Client
- ASP Hosting
Model



Mass
Customisation



Mass Customisation

The collage illustrates various web interfaces from the ViewPort system, showing how content and layout are customized for different users and roles. Key elements include navigation menus, role-based content, assessment questions, login screens, and certification progress indicators.



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Configuration

Mass Customisation (1)

ViewPort
BroadcastLearning
The Skills Evaluation Company

Customer Interface Configuration

Home >> Customer Configuration

Name: Enabled [Show Hints](#)

Header: Pagetitle Alignment:

Icon: Alignment:

Title: Alignment:

Color Settings:
Header Background

Red

Green

Blue

Hex Web Colors Only

Color Preview

Current Color

Preview:

Insert Title

Public Private View Help ...ppd...

Home >> Customer Configuration

[Save](#)
[Cancel](#)
[Back](#)



Mass Customisation (2)

The screenshot displays two overlapping windows. The background window is the 'iBA Authoring Shared Folder' interface, showing a tree view of content. The tree includes 'Financial Terms and Definitions', 'Tests', 'Self Assessment', 'Questions', and 'Core Questions'. A context menu is open over the 'Q12' item, with 'Paste' highlighted. The foreground window is Microsoft Word, titled 'InternetQuestions.doc', showing a document with the following text:

There are three levels of domain names –

- True
- False

at., .com., .gov are examples of top level domain names.

- True
- False

When you purchase a domain name, it only belongs to you for the specified time. You must renew ownership to maintain ownership of the domain name.

- True
- False

European .eu domain names will be available in 2005.

- True
- False

By registering a domain name, a business automatically buys web site hosting space on a server.

- True



Mass Customisation (3)

The screenshot shows the ViewPort interface with a file tree on the left. A context menu is open over the 'Scotland' folder, listing options: New User, New Folder, Expand, Collapse, Cut, Copy, Copy Link, Paste (highlighted), Delete, Delete All, Rename, and Preferences. Overlaid on the right is a Microsoft Excel spreadsheet titled 'Members.csv'. The spreadsheet contains a list of user data with columns A, B, and C. The data is as follows:

	A	B	C
1	Liam	Wilson	9ym-r7r-xf8-qh2-bj4
2	Emily	Millar	8qv-qs5-r9e-f5v-xe4
3	Hannah	Smith	3er-f2x-87y-3qh-8f4
4	Ryan	Wilson	m7t-t74-u8f-h48-mf2
5	Adam	Mitchell	x66-5h2-s8u-5a4-h6e
6	James	McMillan	x84-55z-3j4-k7m-m93
7	Megan	Smith	9uk-2xb-h3e-8tz-3u7
8	Jordan	Murray	5a2-h86-a26-5rx-m5m
9	Matthew	Kelly	a8f-h2s-2gj-sg4-hs9
10	Kyle	Henderson	7iw-2nt-7wt-3p2-8f6
11	Chloe	Smith	i7d-4m2-2kx-h4q-p3p
12	Kyle	Hunter	i3c-6pc-yd9-6dt-y8g
13	Jack	Brown	3ww-3sm-i3h-r2-fn2
14	Eva	McKenzie	qi7-d27-7bx-a7p-5hu
15	Lewis	Smith	kk6-7p4-c6v-yc2-5wp
16	Lewis	Burns	bk9-8bj-7p9-ek7-n2w
17	Ross	Campbell	t42-i58-9hs-p6r-f3b
18	Lauren	Smith	sj5-nc3-xg8-5s2-7nw
19	Cameron	Brown	c9z-m5a-yz9-cn3-9wu
20	Andrew	Johnstone	4ae-sm3-3rr-6mg-cj3
21	Matthew	MacDonald	5cb-qx6-m3a-4ts-n3h
22	Jack	Campbell	cw9-uv5-a46-2e9-bi4
23	Jack	Davidson	68y-w6j-na6-3m7-rc7
24	Connor	Bruce	ng3-jk5-7xw-hi4-er5



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Self Service Data Input

Mass Customisation (4)





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Web Portal for Smooth Client Integration

The image displays two overlapping browser windows. The top window, titled 'FAS - Training & Employment Authority - Opera', shows a page titled 'System Compatibility Test'. The page content includes a navigation menu with links like 'Services to Businesses', 'Services to Jobseekers', and 'FAS JobsIreland'. Below the menu, there's a heading 'System Compatibility Test' followed by introductory text about the certification system. A table lists various system components with green status indicators and instructions on what to do if the result is not green. The bottom window, titled 'Leanscm.com - Opera', shows the 'Lean Healthcare Services' website. It features a header with the tagline 'Empowerment through Education, Facilitation, and Training.' and a main navigation menu. A sidebar on the left lists client logos including UAMS, Mercy OF TODAY, UNIVERSITY OF COLORADO HOSPITAL, SYDNEY WEST, and Vhi. The main content area is titled 'Technical Requirements (Apple Mac)' and lists specifications for hardware, operating system, browser, Java, and internet access.



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Just one thing:

Lots of Pilot Programs, Limited Commitment

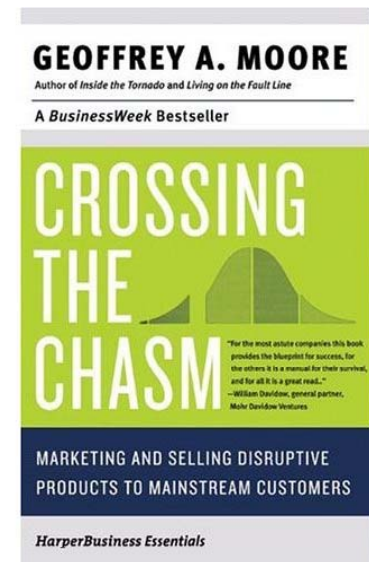
- Is this a problem with the market or with the industry or with us?



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- We have got the Visionaries (5 years ago)
- We have got the Early Adoptors (3 years ago)
- Did we get the Pragmatists?
- Did we get the Main Street?
- Did we get the Late Majority?

Are we stuck within a chasm?





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Is there a solution for the Mainstream?

- What happens when we add something really old and reliable onto the new system?
- Can we bolt good old paper tests onto the shiny new e-Assessment?
- ...and a client had the perfectly matching problem



The Workflow – The Core Idea

- Create the class / test group as usual
- Set up the students for the actual session
- Shortly before the actual test session completely personalised papers can be printed from web client using secure communication.
- After the online test has been closed the model answers are printed (or the filled answer sheets are sent in for scanning)



Printed Questions and Marking Sheet

Electrical Science / Domestic T1 Phase 2

Assessment Paper

Q.1 Which of these plate switches are not available

(A) 1 Gang 1 Way
 (B) 1 Gang 2 Way
 (C) 2 Gang 1 Way
 (D) 2 Gang 2 Way

Q.2 The resistance of Load 2 in Fig 21418 is found by dividing the reading found in circle

Fig. 21418

(A) 1 by circle 2
 (B) 2 by circle 3
 (C) 2 by circle 4
 (D) 4 by circle 1

Q.3 As defined in the ETCI rules, where an oven and hob are separate appliances, a common supply and isolator may be used provided the appliances are within

(A) 1 meter of each other
 (B) 1.5 meters of each other
 (C) 2.0 meters of each other
 (D) 2.5 meters of each other

Electrical Science / Domestic T1 Phase 2

Marking Sheet

All questions carry equal marks.
 This paper requires 52 or more questions to be answered correctly.
 This paper requires 64 or more questions to be answered correctly.

B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.39 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.40 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.41 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.42 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.43 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.44 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.45 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.46 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.47 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.48 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.49 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.50 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.51 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.52 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.53 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.54 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.55 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.56 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.57 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.58 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.59 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.60 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.61 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.62 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.63 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.64 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.65 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.66 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.67 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.68 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.69 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.70 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.71 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.72 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.73 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.74 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	Q.75 A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>

57 of Admin: System Administrator in: Head Office Page 2 of 2

Printed on: 18 October 2006 at: 01:57 of Admin: System Administrator in: Head Office

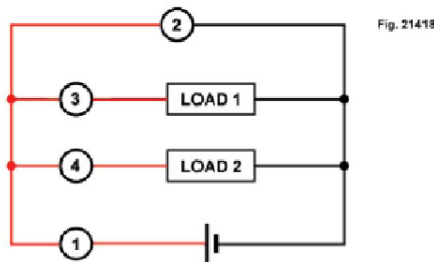
Page 3 of 28



Large Print for the Visually Impaired

- Q.1 Which of these plate switches are not available
- (A) 1 Gang 1 Way
 - (B) 1 Gang 2 Way
 - (C) 2 Gang 1 Way
 - (D) 2 Gang 2 Way

- Q.2 The resistance of Load 2 in Fig 21418 is found by dividing the reading found in circle



- (A) 1 by circle 2
- (B) 2 by circle 3
- (C) 2 by circle 4
- (D) 4 by circle 1

Questions. All questions carry equal marks.
 Pass on this paper requires 52 or more answered correctly.
 Credit on this paper requires 64 or more answered correctly.

<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
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<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>



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What's the Benefit?

- Dramatically Increased Stakeholder buy-in
- Opens Individual Migration Path
- Reduces internal tensions.
Everyone is somewhere on a 0..100% scale.
- Covers all „special cases“

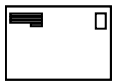


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Thank you



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