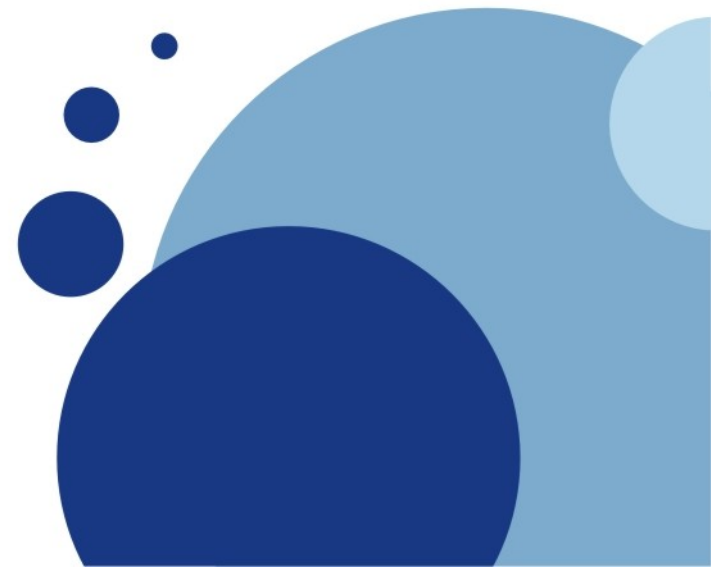
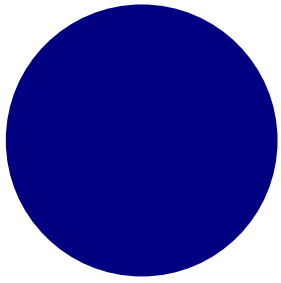


Industrial Placement

Dzan Tsiu Wong

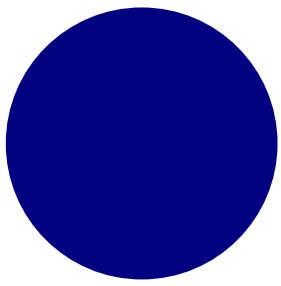




About MetaPack

- Company based in London
- UK's leading provider of delivery management solutions
- Shipping to over 150 countries
- Single point of integration for carriers





Clients

WHSmith

LAURA ASHLEY

It's got our name on it.

Wickes



faith



HOUSE OF FRASER
TEMPTATION ON EVERY LEVEL

SCREWFIX
.com

Jack Wills
University Outfitters

YOUR M&S

L.K. BENNETT
LONDON

John Lewis

B&Q

Dixons

JESSOPS.com

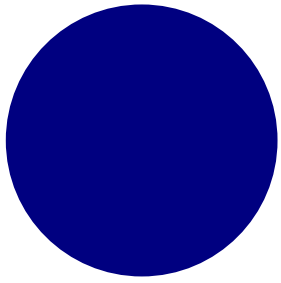
Currys

PC World

ASOS
THE ONLINE FASHION STORE

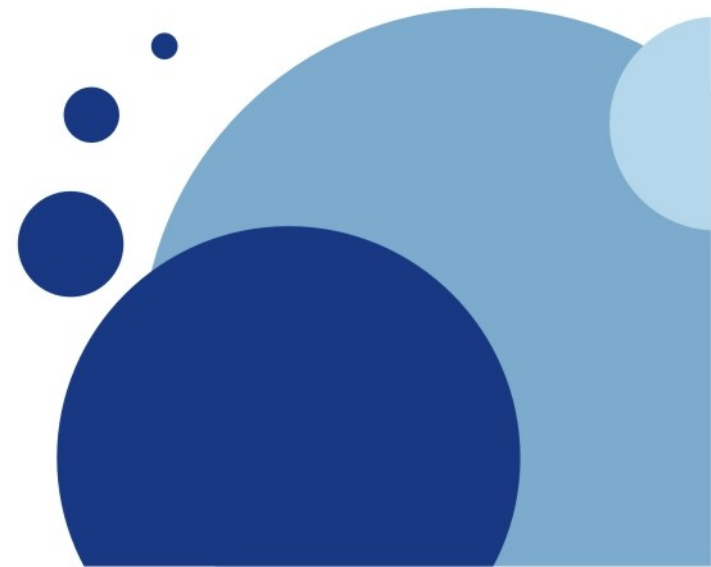
COMET
we live electricals

halfords



Services

- Delivery Management System
Connects retailers to many UK parcel and express carriers to manage an entire home delivery operation
- Senda2b
Provides individuals door-to-door delivery service from the UK's leading carriers



Delivery management

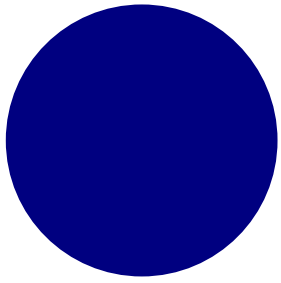
- Allows goods to be dispatched using the most suitable carrier (multi-carrier)
- Provides parcel status information from all carriers in real-time - efficiency in responding to customer delivery enquiries





Delivery Management Work

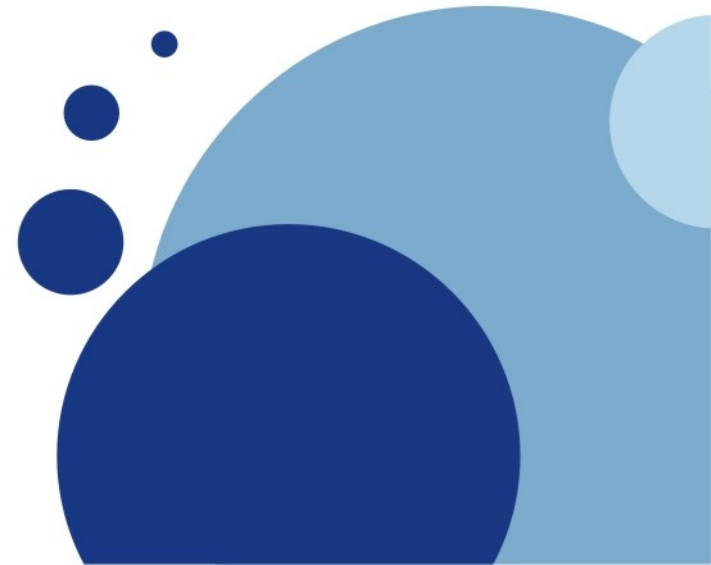
- International compatibility – validating postcode formats for countries around the world such as Singapore
 - Dates and times on labels needed to change depending on timezones
 - FTP upload delivery failure due to unknown server identification
- 

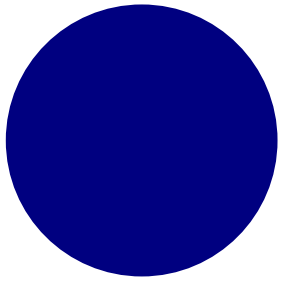


Senda2b

- Gives customers an easy way to arrange parcels to be collected and delivered
- Ebay integration – import sales from your ebay account to effortlessly arrange for them to be delivered to your customers

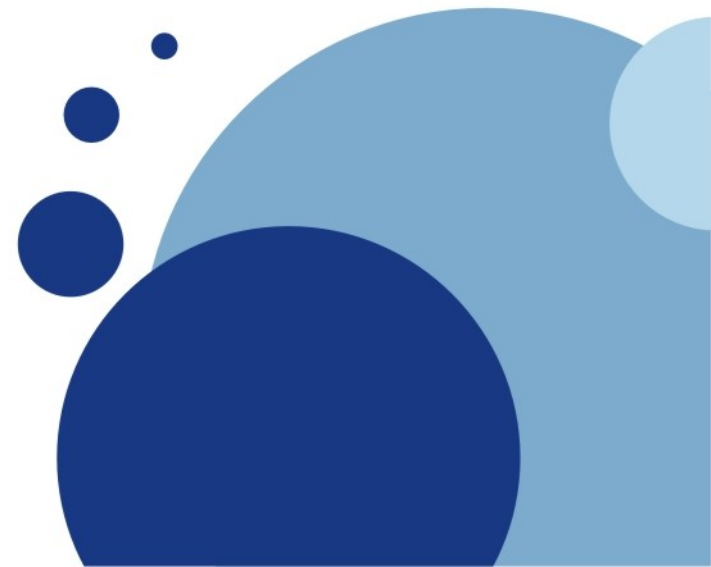
Senda2b.com





Senda2b Work

- Added cancel functionality during upload process of delivery information
- Invalid delivery consignments allowed through to checkout
- Set password policy restriction with regular expressions – minimum character length, at least 1 digit and 1 letter



[Home](#)[Quick Quote](#)[Send Parcel](#)[Track Parcel](#)[Upload Deliveries](#)[Contact Us](#)

Send a parcel



Quick and easy delivery to a wide range of carriers.

[Send](#)

Track a parcel



Enter tracking no

[Track](#)

Upload deliveries

Senda2b.com also allows you to upload multiple deliveries at one go.

[Read more](#)

ebay integration

Senda2b.com can import your ebay items, so you don't have to type a thing.

[Read more](#)

UK Economy Delivery From **£5.79** +VAT

That's just £6.80 including VAT!
NO HIDDEN COSTS

Next Day Delivery From **£8.99** +VAT

That's just £10.56 including VAT!
NO HIDDEN COSTS

The easy way to send parcels...

Senda2b.com can help you find and compare parcel delivery services from many leading UK courier companies. Book online now!



Quick Quote:

Collection postcode [i](#)

Delivery postcode [i](#)

Enter the weight and dimensions of the biggest parcel that you wish to send to get the most accurate delivery cost.

Weight (kg) Length (cm) Width (cm) Height (cm) [i](#)

[Get quote!](#)

Senda2b Carrier Partners

With Senda2b.com you can choose from a range of collection options and delivery services.

[Read more](#)

Sell with POWA and Senda2b

Our All Inclusive Price promise

One price
Free collection
No surprises.

[Read more](#)


Hassle free delivery

With Senda2b.com you take simple steps to ensure hassle free delivery.

[Read more](#)

FTP Import Manager 1

- MetaPack provides the ability to upload delivery data via FTP
- GUI needed to manage the configuration file of FTP users and their associated data



FTP IMPORT

Search FTP Account Create FTP Account Update System Info

Search Accounts

Search | Search Accounts Create Account

Text: Search

Page 1 of 1 Results per Page: 40 Found 2

FTP Account Username	FTP Account Enabled?	External Account Type	External Retailer	External Account Username	File Format
dzan	NO	DM	Macarena	extdzan	macarena
r	YES	DM	ANDY1123	r	Metapack CSV

Page 1 of 1 Found 2

FTP Import Manager 2

MetaPack

FTP IMPORT

Search FTP Account

Create FTP Account

Update System Info

Edit FTP Account

Search | Edit FTP Account

Delete Account

Save

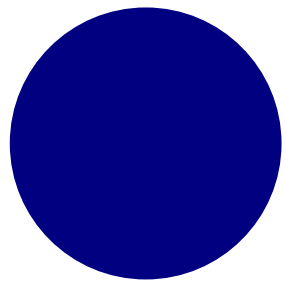
FTP Account Details

Add/Edit FTP Accounts in this section.

No white spaces are allowed and will automatically be removed.

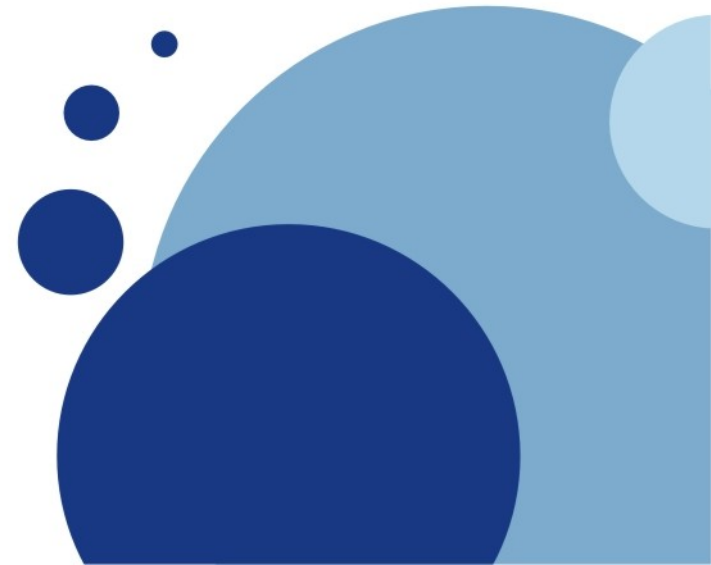
FTP Username:	<input type="text" value="dzan"/>	External Account Type:	<input type="text" value="DM"/>
<input type="button" value="Change Password"/>		External Retailer:	<input type="text" value="Macarena"/>
FTP Directory:	<input type="text" value="consignment-uploads"/>	External Username:	<input type="text" value="extdzan"/>
<small>will be created inside /home/"username"/</small>		<input type="button" value="Change Password"/>	
Account Enabled?	<input type="radio"/> True <input checked="" type="radio"/> False	File Format:	<input type="text" value="macarena"/>

- Bash script used to directly manipulate the configuration file
- Data pulled from various databases for usability and to ensure correctness of data



Senda2b QtWeb Browser

- Senda2b required to run on a Jiffy machine
– label printer
- Compatibility with QtWeb browser that runs on the printer required to easily print labels straight from the website



Cheap parcel shipping | express courier delivery | Senda2b.com - QtWeb

File Edit View History Bookmarks Privacy Tools Window Help

http://www.senda2b.com/

Q Google

Cheap parcel shipping | express cour... x

Hello! [Login](#) or [Register](#)

Senda2b.com

[Get help](#)

[Home](#)[Quick Quote](#)[Send Parcel](#)[Track Parcel](#)[Upload Deliveries](#)[Contact Us](#)

Send a parcel



Quick and easy delivery to a wide range of carriers.

[Send](#)

Track a parcel



Enter tracking no

[Track](#)

Upload deliveries

Senda2b.com also allows you to upload multiple deliveries at one go.

[Read more](#)

ebay integration

Senda2b.com can import your ebay items, so you don't have to type a thing.

[Read more](#)

UK Economy Delivery

From **£5.79**
+ VAT

That's just £6.80 including VAT!
NO HIDDEN COSTS

Next Day Delivery

From **£8.99**
+ VAT

That's just £10.56 including VAT!
NO HIDDEN COSTS

The easy way to send parcels...

Senda2b.com can help you find and compare parcel delivery services from many leading UK courier companies. Book online now!



Quick Quote:

Enter the weight and dimensions of the biggest parcel that you wish to send to get the most accurate delivery cost.

Weight (kg)	Length (cm)	Width (cm)	Height (cm)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

[Get quote!](#)

Senda2b Carrier Partners

With Senda2b.com you can choose from a range of collection options and delivery services.

[Read more](#)

Sell with POWA and Senda2b

INSTANT SAVINGS

Our All Inclusive Price promise

One price
Free collection
No surprises.

[Read more](#)

Hassle free delivery

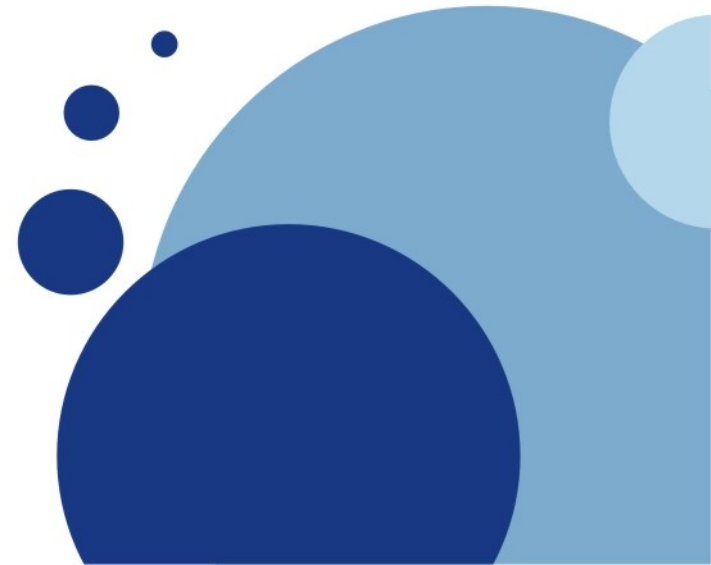
With Senda2b.com you take simple steps to ensure hassle free delivery.

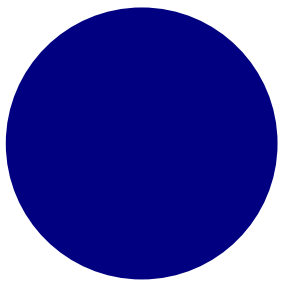
[Read more](#)



Senda2b ASOS Marketplace

- ASOS is the most popular online only fashion store within the UK
- Releasing their 'Marketplace' for customers to sell their own items of clothing – integration with senda2b was required





ASOS Marketplace

ASOS Marketplace
the online fashion store

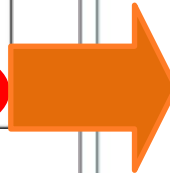
Your Order: 1234567

Buyer: Jane Doe, 123 High Street, Somewhere, XX1 1XX

[EAN]	[Description]	[Price]	[Status]	[Quantity Ordered]	[Update Status]
1231	<Lorem ipsum dolor sit amet>	£60.00	Accepted	1	Select status
1232	<Lorem ipsum dolor sit amet>	£100.00	Accepted	10	Select status
1233	<Lorem ipsum dolor sit amet>	£20.00	Accepted	1	Select status

Arrange to ship your order through Senda2b.com

Ship Now!



Create Delivery Booking

Enter your collection address

☒ Select collection address
Brenda Goudie, Metapack, 12-16 Laystall Street

☐ Is this business address?

OR

☐ Enter new collection address

Sender name: Brenda Goudie

Address line 1: Metapack

Address line 2: 12-16 Laystall Street

Address line 3: London

Address line 4:

Postcode: EC1R4PF

Country: United Kingdom

Contact phone: 07806296646

☐ Save this address to my address book

Enter your delivery address

☐ Select delivery address
Brenda, Flat 2, 2 Weller Street, Lo

☒ Enter new delivery address

Postcode: XX1 1XX

☐ Is this business address?

Recipient name: Jane Doe

Address line 1: 123 High Street

Address line 2: Somewhere

Address line 3:

Address line 4:

Postcode: XX1 1XX

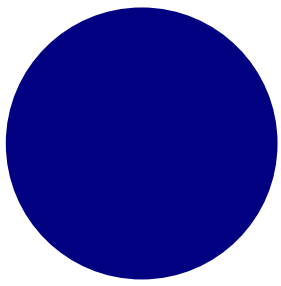
Country: United Kingdom

Email address:

Contact phone:

☐ Save this address to my address book

- Click from ASOS Marketplace to automatically fill in delivery information within Senda2b



Promotional Codes

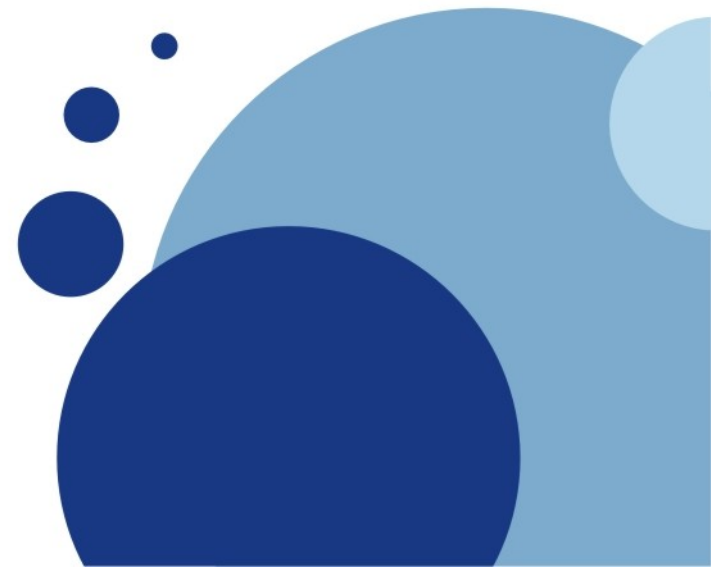
- Senda2b extended to allow promotional codes to be used during checkout
- Would allow special deals to be put in place to attract more customers and clients

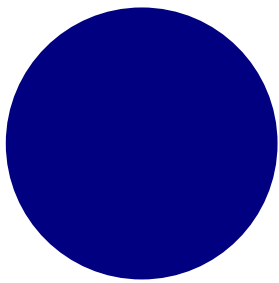
Promotional code details

Please enter your voucher or discount code to save on your purchase.

Promotional Code

Continue ▶





Checkout Process

Delivery Booking Summary | Senda2b.com - Mozilla Firefox

File Edit View History Bookmarks Tools Help

metapack.local https://senda2b.metapack.local//ActionServlet?action=checkout_card

FTPImportManager Jira Doc Mail Gmail Test2 DM Local DM Scheduler - Task List Local Senda2b Local Senda2b Admin Local Senda2b Vouchers Test Senda2b Test Senda2b Admin Test Senda2b Vouchers

[#MPD-10] Produce... [#DMDEND-703] Intr... Issue Navigator - Me... [#DMDEND-465] Vou... Inbox - Outlook Web... MetaPack - Providin... Voucher Manager | S... Delivery Booking S...

Delivery Booking Summary

1.	Shipping Id 28051 (Hide Details)	Carrier Service Parcelforce Worldwide Pre-0900	£14.00 excl VAT
Collect From: Dzan Wong Flat 5 28 Earls Court Gardens London SW5 0TR, GBR		Collection Date: 18:30 Tomorrow BST	
Deliver To: ASOS CUSTOMER 1 12 - 16 Laystall Street Clerkenwell x EC1R 4PF GBR		Delivery Date: 06:31 BST - 09:00 Fri 01 Oct 2010 BST	
2.	Shipping Id 28040 (Show Details)	Carrier Service Royal Mail Surface Mail Small Packet	£4.00 excl VAT

Loaded percentage amount per delivery referral discount ASOS:10%, Value: 10.0% per delivery from ASOS

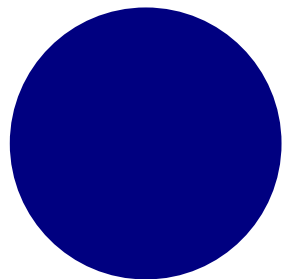
Total No. of Delivery Bookings: 2

Voucher Savings:	-£1.40
Subtotal ex VAT:	£16.60
VAT:	£2.91
TOTAL incl VAT:	£19.51
TOTAL to be charged:	£19.51

Find: cancel Next Previous Highlight all Match case

Done

12:34 29/09/2010



Email to sender

Senda2b.com | Delivery Arrangements Confirmation - Message (HTML)

Message

Reply Reply to All Forward Delete Move to Folder Create Rule Other Actions Block Sender Not Junk Safe Lists Categorize Follow Up Mark as Unread Find Related Select Find

From: no-reply@senda2b.com
To: Dzan Wong
Cc:
Subject: Senda2b.com | Delivery Arrangements Confirmation

Sent: Tue 28/09/2010 15:28

Message | DMC01Y00167C_Label.pdf (1.2 KB) | DMC01Y00167B_Label.pdf (1.4 KB) | senda2binvoice-2646.pdf (1.20 KB)

Senda2b.com

Dear Dzan,

Thank you for using Senda2b.com.

The total value of the invoice is **£18.33 inc VAT**. This is inclusive of the voucher with code 'ASOS-10%' which gave you a saving of **£0.40**.

Please find attached labels for your deliveries. Please attach each label to the appropriate parcel.

Here is the summary of the deliveries you have arranged through us:

Shipping Number - 28012

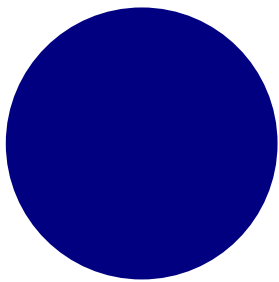
Carrier / Delivery Details

Parcelforce Worldwide, 10am (**£12.00**) ex VAT

Parcelforce can deliver next day before 10am. (working days only). Parcelforce can carry any parcel that is between 0 - 30 kg in weight and 60 x 60 x 90cm in size. Up to £25 liability per parcel in event of loss or damage.

Collecting From (Dzan Wong)

12:10 30/09/2010



Invoice

ActionServlet (application/pdf Object) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

localhost https://localhost8443/send2b/ActionServlet?action=admin_view_invoice&transactionId=4942&invoiceId=2546

1 / 1 151% Find

Invoice Date: 28-09-2010

Shipping No.	Recipient	Carrier	Carrier service	Parcel Qty	Price
28012	Dzan Wong	Parcelforce Worldwide	10am	1	£12.00
28011	Dzan Wong	Royal Mail	Surface Mail Small Packet	1	£4.00

Used code: ASOS-10%, percentage amount per delivery referral discount: -£0.40

Subtotal (Ex. VAT): £15.60

VAT @ 17.50%: £2.73

Total: £18.33

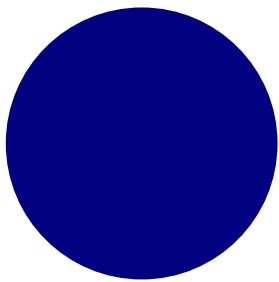
Thank you for shipping your parcels at Senda2b.com!

Senda2b Ltd, 12-16 Laystall Street, London, EC1R 4PF
Company No. 03870530
VAT No. 945 7723 86

8.26 x 11.69 in

Done

12:09 30/09/2010



GUI

Voucher Manager | Senda2b.com - Mozilla Firefox

File Edit View History Bookmarks Tools Help

localhost https://localhost8443/senda2b/ActionServlet?action=voucher_manager

FTPImportManager Jira Doc Mail Gmail Test2 DM Local DM Scheduler - Task List Local Senda2b Local Senda2b Admin Local Senda2b Vouchers Test Senda2b Test Senda2b Admin Test Senda2b Vouchers

[#DMDEND-465] Voucher manage... Inbox - Outlook Web Access Light Voucher Manager | Senda2b.com

Add Discount

Discounts can be used upto number 'uses', but no more than once per user - UNLESS it's a referral discount!
Discounts must have an expiry date AND number of uses!
Discounts will remain on unused status, and then cannot be used if the expiry date of number of uses is passed!

Discount Code*

Discount Value* if percentage, provide as decimal, eg 0.1 = 10%

Discount Type* Fixed Amount Discount

Date expire* dd/mm/yyyy

Uses*

Referral Code: *required for referral discount eg ASOS

Threshold:

Add Discount

Delete Promotional Code

Promotional Code*

Delete Voucher

Search Promotional Codes

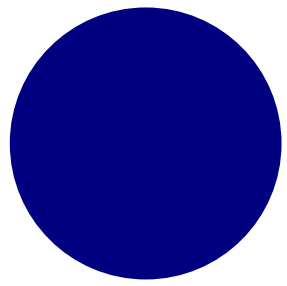
Number of results: 37
Ordered by date_created DESC

Date Created: dd/mm/yyyy

Date Redeemed: dd/mm/yyyy

Done

11:35 30/09/2010

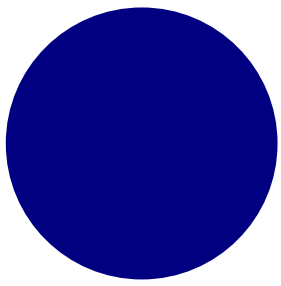


Imperial College Preparation

- Overall I felt quite prepared for my placement – key modules:
- Programming 1/2/3, Databases/Advanced Databases, Software Engineering Design and Software Engineering Methods

Imperial College
London





Evaluation

- MetaPack is a fantastic place for an industrial placement with a friendly and professional atmosphere
- Gained experience with HTML, JSP, CSS, as well as improving on Java Programming.

```
<!DOCTYPE html PUBLIC  
<html>  
<!-- created 2010-01-01 -->  
<head>  
<title>sample</title>  
</head>  
<body>  
<p>Voluptatem accusantium  
totam rem aperiam.</p>  
</body>  
</html>
```

HTML

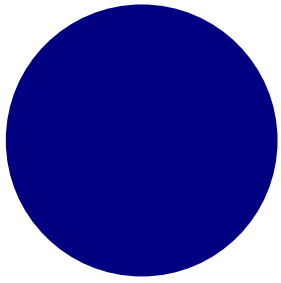


Java™

```
body {  
  margin: 4px;  
  border: 3px dotted #  
  font-family: sans-serif;  
  color: #000000;  
  background-color: #FFFFFF;  
}  
  
h1 {  
  padding: 5px;  
  margin: 10px;  
  border: 1px solid #C0C0C0;  
  color: #FF0000;  
  background-color: #0000FF;  
}
```

CSS





Thank you for listening!

**Thank you to everyone at
MetaPack for their warm
welcome, and a special thanks
to Andy Powney for his
constant help and support**

