Using the Invoice Class

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Version 1.0
January 17, 2019

1   Introduction

The `invoice-class` class allows printing of a standard US commercial invoice using invoice data from a CSV spreadsheet. Invoices can span multiple pages.

2   Class document commands

The main class commands specify the parts of the form that need to be filled in. Each command except `\weight` takes a single argument.

Command name	Description
\waybill{}	waybill number
\shippingdate{}	shipping date (default is \today)
\carrier{}	name of the freight carrier
\destination{}	destination country
\toaddress{}	Destination address
\weight{<lbs>}{<oz>}	weight in pounds and ounces
\packages{}	number of packages in the shipment
\shippingcost{}	total cost of shipping (default = 0.00)
\packingcost{}	total cost of packing (default = 0.00)
\insurancecost{}	total cost of insurance (default is 0.00)
\InputFile{}	name of the CSV file for item date

Table 1: Invoice document commands

2.1   Producing the invoice

Once all the required elements are specified (which can be done in the preamble), there is a single command to produce the invoice:

\printinvoice   Prints the invoice

3   Class configuration commands

Since an invoice will generally have a fixed From address, shipper and location, these values are best set in a separate configuration file (although they can also be set within the document.) The class will look for the file `invoice.cfg` or, `<prefix>invoice.cfg` where `<prefix>` is specified using the document command `\ConfigPrefix`. This allows multiple configuration files with different information within them. Each configuration file should contain an instance of `\fromaddress`, `\shipper`, and `\location`.

Command name	Description
`\fromaddresss{}`	shipper's address
`\shipper{}`	name of shipper
`\location{}`	location
`\ConfigPrefix{}`	configuration file prefix (default is none)

Table 2: Invoice configuration commands

4   `datatool` details

The uses the `datatool` package to produce the invoice using a CSV file. The CSV file requires the following column headings to be present. All other columns are ignored. (Heading names are case-sensitive.)

Column name	Description
Description	Item description
Country	Country of origin
Quantity	unit quantity
UnitValue	per unit value
Amount	total value for item

Table 3: Required CSV Column labels

4.1   Sample CSV file

```
Description, Country, Quantity, UnitValue, Amount
Yellow Ducks, USA,5,2.00,10.00
Pink Ducks, USA,4,15.00,60.00
Blue Ducks, USA,6,5.00,30.00
Orange Ducks, USA,1,4.00,4.00
Red Ducks, USA,30,2.00,60.00
```

5 Sample Configuration file

```
% Sample configuration file
\fromaddress{%
The Marmot Company\\
Some Avenue\\
Somewhere MI 48823\\
USA\\
Tel. 555-555-5555\\
}
\shipper{Prof. van Marmot}
\location{Somewhere, MI}
```

6 Sample document

```
\documentclass{invoice-class}
\InputFile{ducks.csv}
\waybill{8273205776}
\carrier{FedEx}
\destination{Brazil}
\toaddress{Paulo Cereda\\Rua Bonita\\Cidade de Patos\\SP\\Brazil}
\weight{1}{1}
\packages{1}
\shippingcost{40.00}
\packingcost{0.00}
\insurancecost{10.00}
\begin{document}
\printinvoice
\end{document}
```

7 Bugs and support

This package is released as is, and although I will accept bug reports, fixing them may not be a priority. You're free to fork the project to modify it as you wish.

Commercial Invoice

Waybill Number: 8273205776

From:
The Duck Company
Some Avenue
Somewhere MI 48823
USA
Tel. 555-555-5555

To:
Paulo Cereda
Rua Bonita
Cidade de Patos
SP
Brazil

Country of ultimate destination:	Exporting Carrier	Total number of packages	Gross Weight
Brazil	FedEx	1	1 lb 1 oz

Description	Country of Origin	Quantity	Unit Value$	Amount (USD)
Yellow Ducks	USA	5	2.00	10.00
Pink Ducks	USA	4	15.00	60.00
Blue Ducks	USA	6	5.00	30.00
Orange Ducks	USA	1	4.00	4.00
Red Ducks	USA	30	2.00	60.00
		Currency type and amount		$164.00
		Packing cost		$0.00
		Shipping cost		$40.00
		Insurance cost		$10.00
		Total Invoice Value		$214.00

Notes:

These commodities, technologies, or software were exported from the United States of America in accordance with the Export Administration regulations. Diversion contrary to U.S. law is prohibited.

It is hereby certified that this invoice shows: (1) the actual price of the goods described, (2) that no other invoice has been or will be issued, and (3) that all particulars are true and correct.

Name: Prof. van Duck	**Date:** January 17, 2019
Location: Somewhere, MI	
Signature:	