WhatPill 1.2, Tutorial 2 - Basics
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(tutorial 2 of 10)

Topics covered: (this tutorial assumes you've read "Tutorial 1 -- Introduction")

- WhatPill's Main Screen Display
- Selecting records
- Seeing the fields in the Brand-Prices
- WhatPill's main control screen
- Drop-Down Controls - browse controlling

WhatPill's main screen display:

One **control screen** and two **browse windows** make up WhatPill's main screen display. Control screens have "controls", such as push-buttons, drop-down option selectors, radio buttons, etc, and allow you to invoke various operations on the view of the data or the data itself. The control screen and browses are all "windows". There can only be one "current", or active, window at a time, in Foxpro applications. In the below picture showing (partially) WhatPill's main display, the PRICES browse window is the current window, as revealed by it's dark-blue title band. Clicking on any window will make it the current window. Note that the scrolling controls on browse windows are not visible unless the window is current:

(fig 1)
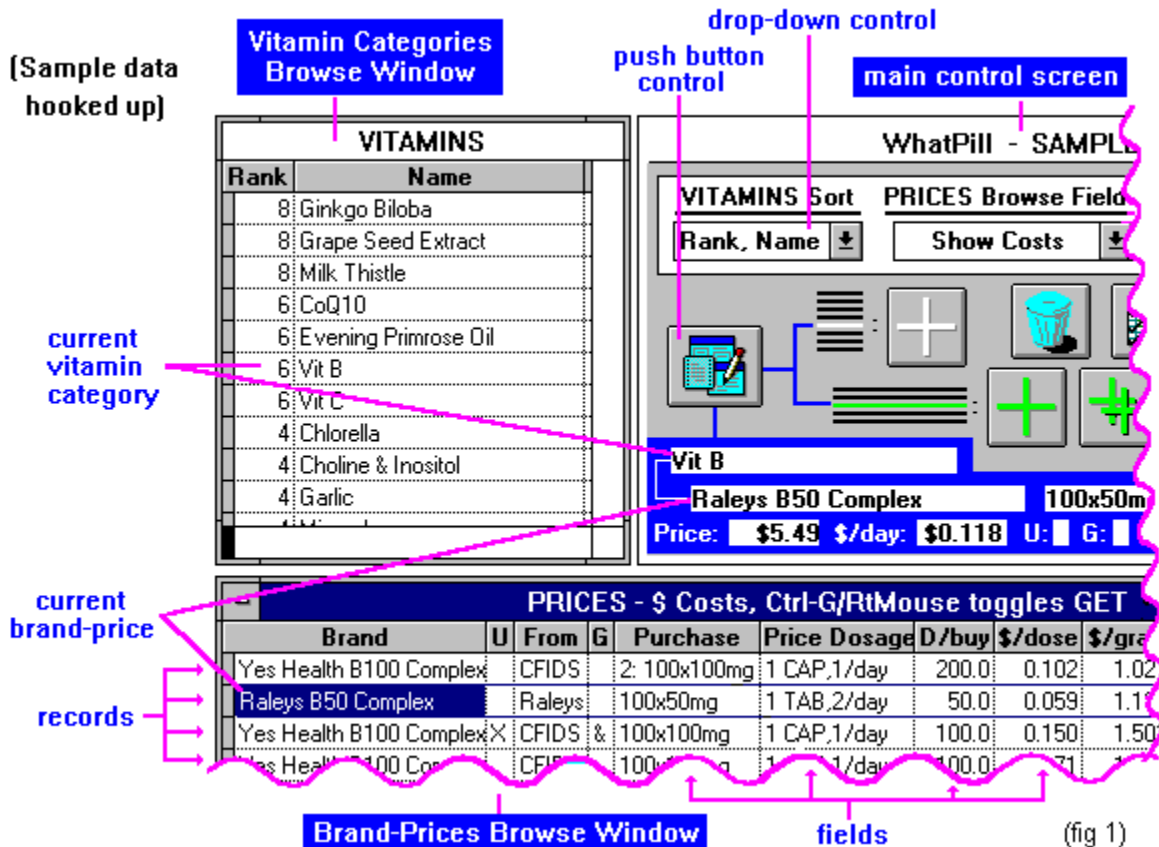
At upper-left above you see a browse window into the vitamin categories, called **VITAMINS**. All the supplements or medications entered into WhatPill are entered by category, which you define yourself.

Category selection: ("category" and "vitamins" are sometimes used interchangably in this text)
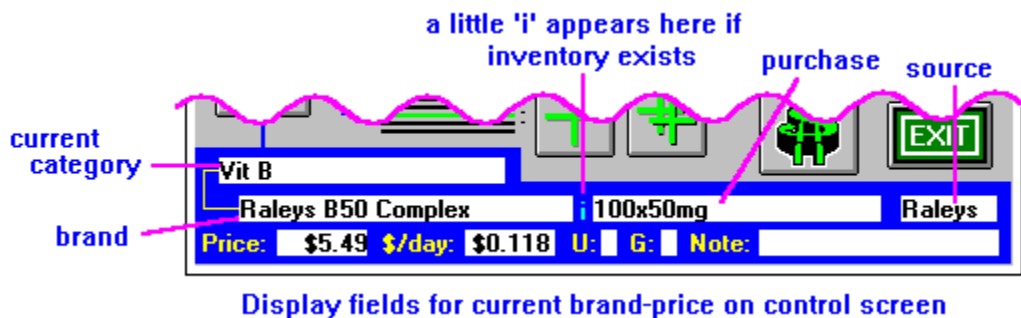
Click on the **Vitamins** browse window once to activate it (make it the "current" window). Note that the title band becomes dark blue and the scroll controls become visible when the window becomes the active window. Then find and click once on "Vit B" to select the Vitamin B category. (Just click anywhere on the "Vit B" line.) Upon selecting any category, you will see the **brand-prices** under that category list immediately in the bottom **Prices** browse window. Congrats -- you've mastered category selection!

Brand-Price selection:

Note: "Brand-price" is WhatPill's terminology for a single purchase option for a supplement or vitamin. The records are called "brand-prices" instead of just "brands" because you often enter the exact same brand more than once, since you are comparing cost differences gained from quantity discounts or different supplier's prices. (If you're not using WhatPill for price comparisons, you will just be entering the single brand-price that you take currently for each of your vitamin categories). The sample data bas several purchase options entered for each category.

Once you select a vitamin category, the "current" brand-price of all that fall under that category will always be the top line in the bottom **PRICES** browse window. Click once on the bottom browse window to make it the current window. As soon as it becomes active, you will see its first field highlighted, showing the current record. Then click once more, for example, on "Raley's B50 Complex", to select a specific brand-price. (Click anywhere on this line to select it, or you can up- and down-arrow from the keyboard to select different records.) You will see some of the brand-price's key fields list on the main control screen as you do this (in blue-background area). Congrats -- you've mastered brand-price selection!

Note that the blue-background portion of the **control screen** in WhatPill's main display always reflects the currently-selected brand-price. The vitamin category will show at top-left, and key identifying fields from the brand-price appear below it:

Display fields for current brand-price on control screen

Note that the "$/day:" display field seen above will be "tax:" for browse displays that are not showing Costs.

Caution: Any time you activate the Vitamins browse window (by clicking on it), the "current record" in the bottom Prices browse window will be positioned to the first line. Try the following: with the bottom Prices browse window being the current window, down-arrow until the last brand-price is selected in the Prices browse window. Note that WhatPill's control screen, in the blue-background area, is verifying by its fields display that this last line is the current brand-price. Now click **once** on the Vitamins Category browse window -- this does not change the category, but just makes the Vitamins window current. Now click on the Prices browse window to activate it again -- you will see that the current record is now back at the top line.

Seeing the fields in the brand-prices

There are many ways you can "adjust" the browse view windows. These are all shown in the ninth tutorial on Browses. For right now, you don't have to know any of this. In fact, the default browse windows for the brand-prices (which include 4 different views stressing different fields) will probably be all you need 90% of the time. For right now, all we'll show is how you can view all the fields of the brand-prices by scrolling or tabbing through them. Some details about selected fields, "text" cursors,

and scroll bar controls will be covered here.

Mouse cursor vs. "text" cursor: You know what the mouse cursor is. But there is also a "text cursor" that indicates the current **field** whenever you have a browse window active. With the bottom Prices browse window selected, hit the **tab** key a few times and see how the current field (highlighted) skips to the right with each press. You don't see any text cursor in the field when the entire field is selected, but it's considered to be there anyway. In WhatPill, when the "text" cursor (normally seen as a blinking vertical bar on screen) first enters a new field, the entire field becomes "selected", and is therefore highlighted and you don't see a blinking bar. But this only occurs if the text cursor enters the field by a previous keyboard key press (such as **tab** or **enter**), or if the window has just become activated. If the text cursor is placed within a field by a mouse click, the field's contents is not selected, so won't be highlighted, and you can see the text edit cursor. (By the way, all edits are turned off in the main display browse windows, so typing while the text cursor is in any browse field will have no affect. You will see later some browse windows in WhatPill where you will be entering directly into browse window fields.)

Continue hitting the **tab** key until you get to the last field of the brand-prices, seeing just how many fields there are. Note how the fields scroll horizontally as you progress to the right. The last field will be called "Days2Go". Now hit Shift-**tab** and watch how you can go in the other direction. Continue until you're selected the first (Brand) field again. You can tab "off the end" and it will wrap to the opposite end: a Shift-**tab** with the first field selected will immediately go to the last field (Days2Go), and a **tab** from Days2Go immediately returns to the first field.

> **Esoteric tip:** Now you can also bring into view all the fields of this browse window by using the bottom horizontal scroll controls. But there's one difference: using the scroll controls does <u>not</u> reposition the text cursor or "current" field. This can lead to a bit of unexpected behavior when switching back and forth between windows, since if you have a view in a browse window that has been scrolled and isn't showing the current field (the field that has the "text" cursor in it), and you momentarily activate another window (for example, you click on the VITAMINS window to select a different category), and then you come back to the brand-prices browse window, you will see that as soon as you reactivate the window, the view shifts so as to bring the current field into view. So the **TIP** is, if you want the view (say, of the end fields of a long list of fields) to remain the same going back and forth between windows, be sure the text cursor is in one of the fields showing in this view. (Just click with the mouse to put the text cursor in one of the fields.) That way, WhatPill won't have to shift the view to bring the current field into sight upon reactivation of the window.

You'll find a lot of this is academic, because you really won't be doing much scrolling to see fields, given the 4 browse options available from the control screen, which we will cover in the below topic.

WhatPill's main control screen:

Below is a diagram of WhatPill's main control screen, showing the drop-down controls expanded to reveal their options, and labels for all the control push-buttons:
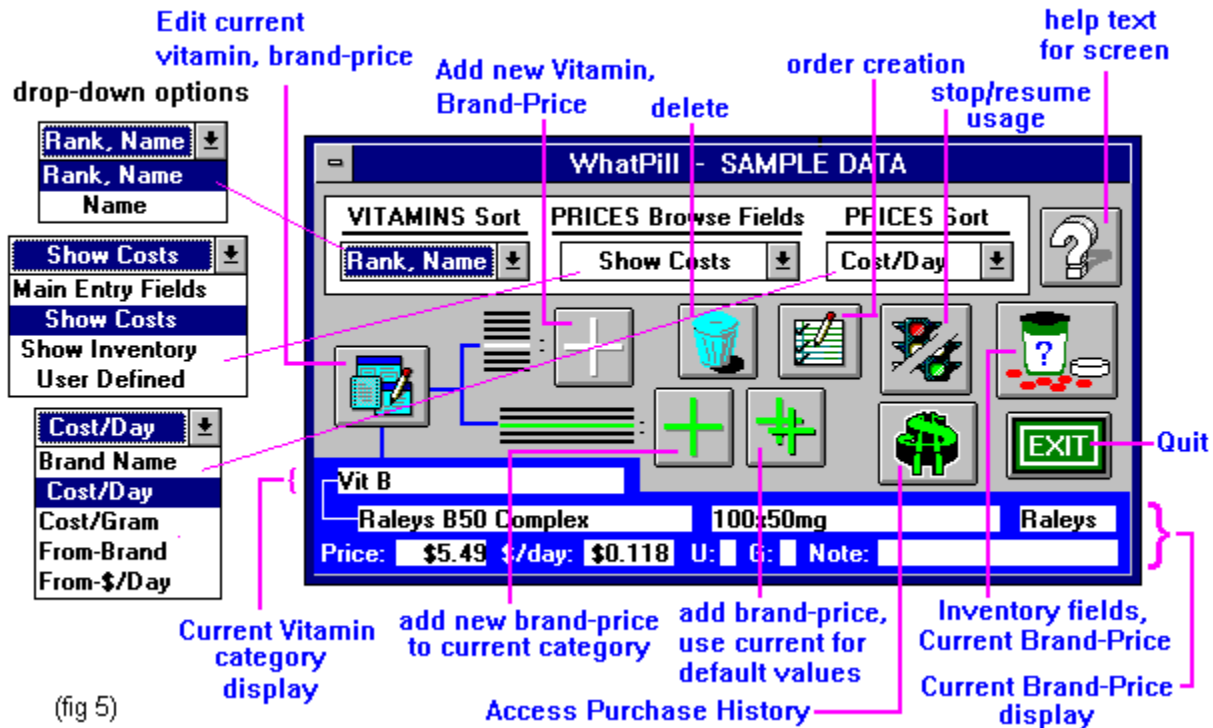
(fig 5)

Right now, we will only discuss 4 of the controls available on this screen: the **?-Help** push button, and the three drop-downs which control the browse views of your data.

?-Help button:

Every control screen in WhatPill has one of these. They provide concise (reminder-type) help on the controls available and fields present. They often give a full explanation of the function, and this tutorial will occasionally refer the reader to the on-screen help to learn about a function or operation in WhatPill rather than duplicate the explanations here. The **?-Help** text is text-only help -- no pictures, like you get in this tutorial.

Click on this button and a window will pop up having the help topic for the screen. You can resize this window and drag it around (grab it by its title bar to move it). Sometimes you'll want to reposition the control screen so you can see both it and the help text better at once. You can do this because the help screen is always "non-modal" with the control screen, meaning one won't lock you out of reaching the other.

Once the help topic is on-screen, you can print it out by hitting a Ctrl-P from the keyboard (hold down the control key like it was a shift key and hit "P"). This will bring up the Print/Preview box, from which you can click on Print and send the help topic to your Window's printer.

There are several ways to close the Help window:

a) double-click the "minus" control at the window's top-left corner;
b) open the menu that is under the "minus" control and select "Close";
c) hit the **esc** (escape) key from the keyboard;
d) hit a **Ctrl-W** or **Ctrl-Q** or **Ctrl-F4** from the keyboard.

If you're not partial to the font being used for the on-screen help, you can change it, either temporarily or for good. Any time a help screen is up, notice that there is a new menu item called

"Text" -- it will be at the extreme right of WhatPill's menu:
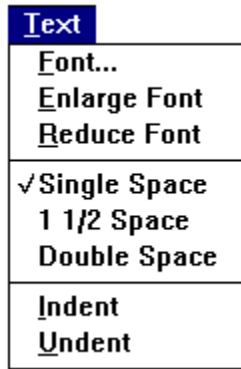
Text menu, which appears at top-right of WhatPill's menu anytime a Help Screen is up.

You can see all the adjustments you can make to your view of the help text! But this only changes the help screen that's currently up. When you close the help screen and bring it or another up again, you start out with the same defaults. There's a menu option under WhatPill's Config menu that allows you to set the font that will be used in the help screen on a permanent basis. It's called "Set Font for Help Text". Select it and a font dialogue will pop up showing the current font being used for the help screens. Change it to whatever suits your fancy and click on OK. Now your Help Screens will all use that font (until you manually change it again).

And that's not all, my friend!!! WhatPill even allows you to edit the text you see in any of the ?-Help topics. First you must go to the Config menu and put a check mark by the option "Enable Edits of Help Text" by selecting it. (This option always comes up unselected when WhatPill starts up). Once you do this, you can type in anything you want to see for any of the Help topics (normal cut-and-paste mouse operations are available). You can get back to the original help topics (and lose all changes you may have done to them) by selecting the Config menu option "Regen Help Texts".

Drop-down controls: The drop-downs affect the browse views of your data.

Note: To make selections from a drop-down control, click on it once. This wll expand it. Then click on the option you want. You can also just click on the control, holding down the click, and drag to the option, releasing the click when the option you want is highlighted. If, after expanding the control, you click somewhere off it, it will collapse, staying at whatever it was originally set at. You can operate a drop-down solely from the keyboard by first making it the "current" control by tabbing until you see the drop-down become highlighted, then hitting the spacebar to expand it, then using up and down arrows to highlight the desired option and finally hitting **Enter** to make your selection. Much easier to use the mouse!

We will talk about the two **sort** drop-down controls before we talk about the middle Prices Browse Fields drop-down control:
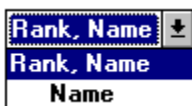
Vitamins Sort

Vitamins sort: The "VITAMINS Sort" has two options for selecting how you want the vitamin categories to display: sorted by Name alphabetically, or by Rank (importance) and Name. Try it now, flipping between the two options, and viewing how the VITAMINS browse display changes. You'll see that you're also selecting the order of the two fields with this control.

Prices Sort: This control selects one of five options on the order of the records in the bottom browse window. A good Vitamin category from the sample data to select for viewing how this control works is "Ginkgo Biloba", with the Prices Browse Fields drop-down option set to "Show Costs". Cycle through the five options for Prices Sort now to see how the different sort options affect the display:

Brand Name	alphabetically by Brand (plus cost/day on equal brands)
Cost/Day	cost per day, least expensive first
Cost/Gram	cost per gram
From-Brand	alphabetically by source (supplier), then by Brand (plus cost/day)
From-$/Day	alphabetically by source (supplier), then by cost per day

Most often, you will probably want "Cost/Day" as your primary sort, since anyone who's entering more than one brand-price per category is doing comparison shopping, and this option puts the least-costly at the top of the list. But you'll find times when all of the other options are nice to have! Note that the field **$/Day** (cost per day) does <u>not</u> have to be visible in the browse for this Prices Sort option to work (likewise with any of the other sort options and their keys).

Prices Browse Fields: The middle drop-down control selects one of four options on the display order of the **fields** from the brand-prices in the bottom browse window. (Fields list across, "Brand", "U", "From", "G", etc.) Note that all four options display ALL the fields for the brand-prices -- the only difference is in the <u>order</u> of the fields. There are many more fields than will display on screen at one time for the brand-prices. This option allows you to quickly switch between browse views having different emphasis on what type of information you're interested in seeing. As you will learn later, you can set this order for <u>any</u> of these four options to anything you please, and your changes will "stick" -- WhatPill will always bring up the browse windows the way you left them. But for right now, just choose each of the four options and see the different fields they emphasize in the Prices Browse as per the default installation settings. (Don't worry yet about not knowing just what these fields are telling you. Very brief field descriptions are given below. In-depth discussion of fields will be found in the next tutorial, which treats WhatPill's data and calculated fields.)

Options:

Main Entry Fields: This is handy for seeing in the browse window all your basic entry fields for price data entry. This is good for double checking your data entry. Verify that the "Purchase" field is backed up by what the "Bought" field says, and that the "Potency" checks with the "Price Dosage", in particular. Below is a partial screen image showing the Prices browse, set at this option. Do you see the data entry error here?

PRICES - Entry Fields, Ctrl-G/RtMouse toggles GET								
Brand	U	From	G	Purchase	Bought	Price Dosage	Potency	Pri
Then	X	HH	&	2: 60x60mg	120 CAPs	2 CAPs,2/day	120 mg	18.
Then		HH		240x60mg	240 CAPs	2 CAPs,2/day	0.06 gm	39

[Main Entry Fields browse]   (fig 6)

Well, there's no way you could know at this point, but the Potency entry in the 2nd line is wrong. Potency is defined as grams per <u>dose</u>, and since a single dose, as revealed by the "Price Dosage" field, is 2 CAPs, and each CAP has 60mg (as seen in the "Purchase" field), the potency should have been entered as 120mg (or 0.12 gm), same as in the first line.

First 13 fields, in order of appearance: (very brief descriptions for now)

Brand: the brand name of this supplement/vitamin/medicine
U: USING flag - an X here means you are (or will be) taking this vitamin
From: holds abbreviation for Source - supplier for this brand-price
G: GET flag - "&" here means to GET this type (the one you're buying)
Purchase: text description of the purchase (should include # bought for qty discounts)
Bought: number or quantity purchased (WhatPill calculates with this)
Price Dosage: units taken for one dose, and how many doses per day
Potency: grams per dose (not always applicable)
Price: price applying to entire purchase (sans tax) as under "Purchase" & "Bought" fields.
Tax: tax if applicable
Note: any short note (30 chrs max) applicable to this particular price (like if it's a one-time special sale, etc)
Priced: (this and the following fields have to be scrolled horizontally in the browse window to be seen - just click once in the right half of the bottom scroll bar to jump to the right). Has the date this price was entered into the database.
Endsale: a date will be here if the price entered was a one-time sale value and the sale expires on this date.

Show Costs: This Prices browse fields option is the one I use the most, since price comparisons is one of the most important functions of WhatPill for me. This view provides side-by-side on-screen comparisons of all brand-prices entered under a category, emphacizing cost fields:

Brand	U	chase	Price Dosage	D/buy	$/dose	$/gram	$/Day	$/Mth	$/Year
Then	X	g	2 CAPs,2/day	30.0	0.341	2.848	0.683	20.85	249.54
Then		g	2 CAPs,2/day	60.0	0.360	6.006	0.720	21.99	263.10

$ Costs, Ctrl-G/RtMouse toggles GET

[Show Costs Browse]   (fig 7)

First 12 fields, but not fields mentioned above:

D/buy: number days' usage you get per purchase
$/dose: cost per dose (dollars)
$/gram: cost per gram (dollars)
$/Day: cost per day (dollars)
$/Mth: cost per month (dollars)
$/Year: cost per year (dollars)

(Note that the above fields are all "calculated" fields -- WhatPill figures them out for you.)

Show Inventory: Displays all the inventory fields:

Brand	Inv. Dosage	On-Hand	Asof	Stopped	Expires	Days2Go
Then	2 CAPs,2/day	400 CAPs	02/18/1996	/ /	05/28/1996	70.0
Then			/ /	/ /	/ /	0.0

ES - Inventory, Ctrl-G/RtMouse toggles GET

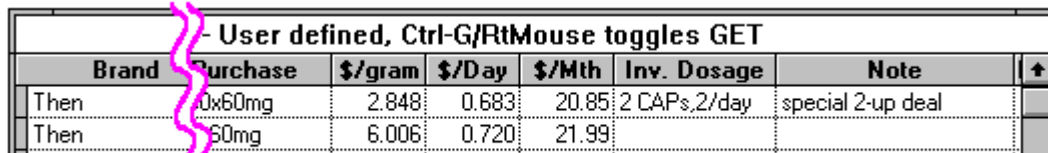[Show Inventory Browse]   (fig 8)

Note that usually only one of your brand-prices will have data in the inventory fields (since you're normally only taking one brand-price of any vitamin category).

First 8 fields, but not fields mentioned above:

Inv. Dosage: units taken per dose, and number doses per day
On-Hand: Quantity stock on-hand, along with units, as originally entered.
Asof: Date (morning) that "On-Hand" applied to
Stopped: date present if usage stopped on that date
Expires: Date that stock will runout on (this is blank if Stopped date present)
Days2Go: number of days' usage present stock has left

Note that "Expires" and "Days2Go" are calculated fields. You will see in the next two tutorials the difference between inventory dosage and price dosage, but for right now, we can say that inventory dosage is the "real" dosage you're taking, but only applies to vitamins you have in stock, while price dosage is used to determine the cost calculations and applies to all entered brand-prices, whether they have inventory or not.

User Defined: While it's true that you can adjust <u>any</u> of these browse options to show any of the fields available in the brand-prices, you'll normally want to leave the above three as they come installed. This "user defined" option was included so you can have quick access to a browse view showing fields you have chosen yourself, for whatever purpose. Right after installation, it will look like:

Brand	Purchase	$/gram	$/Day	$/Mth	Inv. Dosage	Note	
Then	0x60mg	2.848	0.683	20.85	2 CAPs,2/day	special 2-up deal	
Then	60mg	6.006	0.720	21.99			

- User defined, Ctrl-G/RtMouse toggles GET

[User Defined Browse]   (fig 9)

Just drag any fields you want into view in this browse (changing their order), and your changes will "stick" (see "Browses Tutorial" for details of all the adjustments you can make to the browse windows).

Note that if you ever "Regen Browse Prefs" from the Config Menu, you will restore all these browses to their default state (which was how they were immediately after installation). This is good to know - it means you don't have to worry about getting the browse windows all messed up with your experimental adjustments, and not being able to get them back again. In fact, it only takes 2 seconds to restore all the browses to their installation states!

End, tutorial 2