

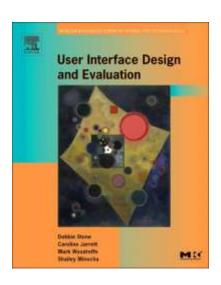
Design tips for complex forms

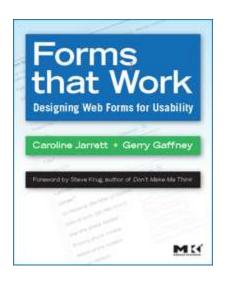
Caroline Jarrett

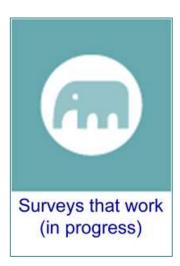
Clarity 2010 Lisbon

Caroline Jarrett

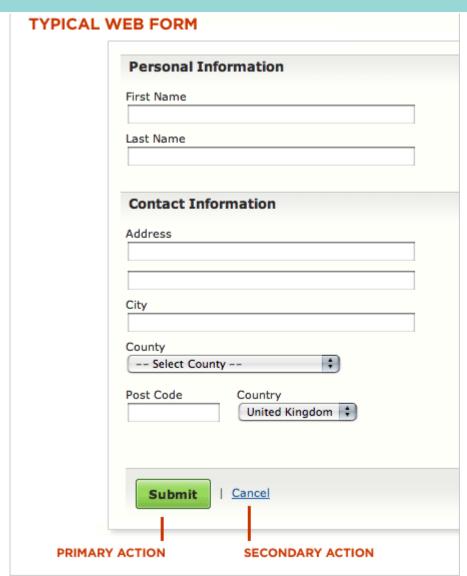
twitter @cjforms caroline.jarrett@effortmark.co.uk







A lot of forms advice is about forms like this...



So what happens if we have to work with this?



Some examples of complex forms

- Lasting power of attorney for health and personal affairs
 - "Living will"

What's in this creation pack along with this guidance:

Information sheet



LPA form



Continuation sheets



How to register your LPA





LPA 001 (5 copies)



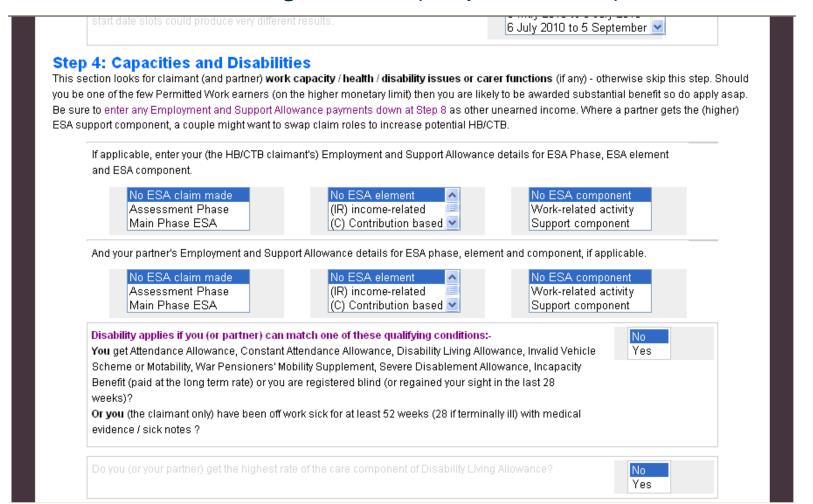
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LPA 002 Registration form and related

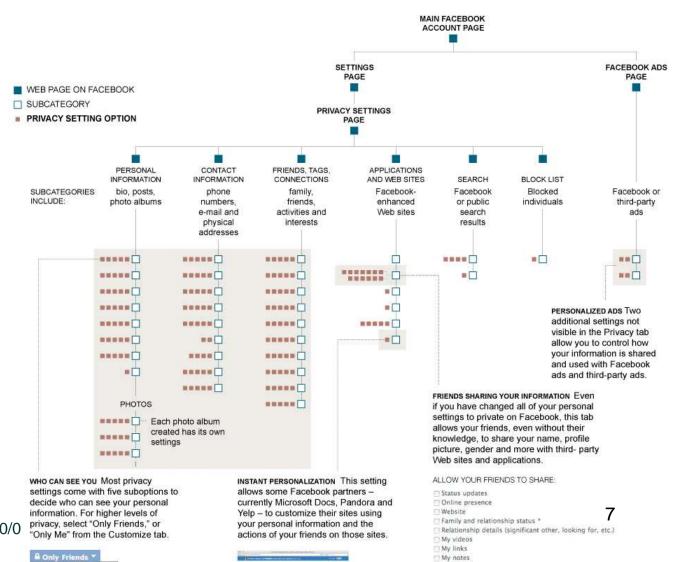
Some examples of complex forms

Claim for housing benefit (help with rent)



Some examples of complex forms

 Privacy on Facebook



http://www.nytimes.com/interactive/2010/0 5/12/business/facebook-privacy.html

Some reasons for complexity

- More than one user involved
- Stressful or unclear consequences
- Need to be kept updated over time
- Variable sections
- Questions about difficult concepts
- Variety of sources for the answers
- Multiple pages
- Lots of boxes, lines, and rules

Complexity affects all three layers of the form

Relationship

- More than one user involved.
- Stressful or unclear consequences
- Need to be kept updated over time

Conversation

- Variable sections
- Questions about difficult concepts
- Variety of sources for the answers

Appearance

- Multiple pages
- Lots of boxes, lines, and rules

Complexity affects all three layers of the form

Relationship

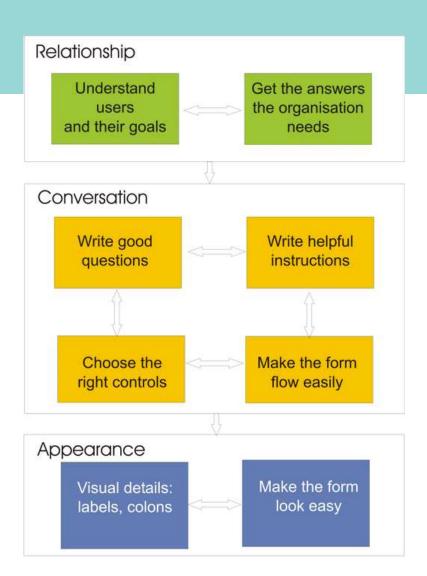
- More than one user involved
- Stressful or unclear consequences
- Need to be kept updated over time

Conversation

- Variable sections
- Questions about difficult concepts
- Variety of sources for the answers

Appearance

- Multiple pages
- Lots of boxes, lines, and rules



Relationship

Tips that are about understanding the users and the business process

As with any form, you should be observing people filling in the form, and also observing people dealing with the forms.

Tip: Try a 'replay study' where users go back over a complex form with you

- The challenge and complications:
 - To understand how users are interacting with the current form(s)
 - Can't do a conventional usability test because the answers are too complex to replicate in a scenario



- A field study, using a neutral set of materials
 - (prototype on computer, paper copies)
- Participants use your set of materials as a prompt to explain what they would usually do

Example:

 Dealing with a complex package of government forms, I got users to flip through a fresh set of blank forms to help them recall their experiences

Tip: Use sample tracking to understand the process

The challenge:

- To explore all the details of a business process, not just the easy parts
- Complex business processes often include offline, online, and multi-channel working

The complications:

Simple forms are dealt with straight away, but some get diverted for special treatment



The idea:

- Choose a sample of forms, e.g. those received on a particular day, in a single hour, in a specific 5 minutes
- Track those forms through all subsequent processes
- Identify exactly what happens e.g. emails, calls, special handling

Examples:

Application for university course, a complex benefit, or health insurance

Conversation

Tips that are about helping users to find the answers

A key challenge of any form is finding the answers. A complex form will often need people to gather answers from other sources, or to make important decisions

Tip: Give them a form when they want a form

The challenge:

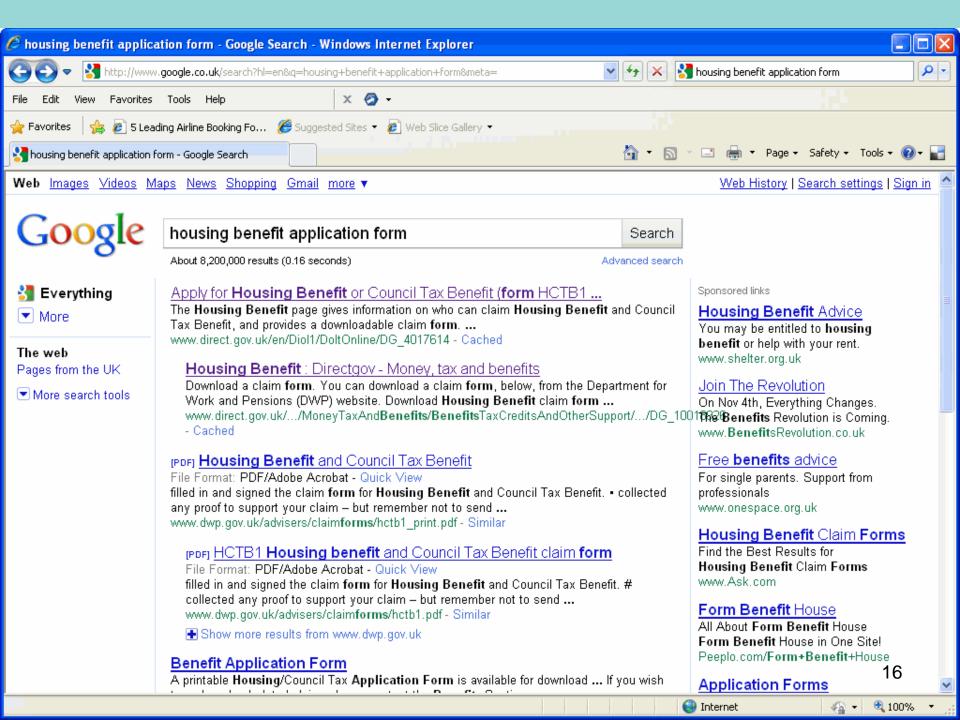
There are many different forms e.g. according to type of application, jurisdiction, eligibility

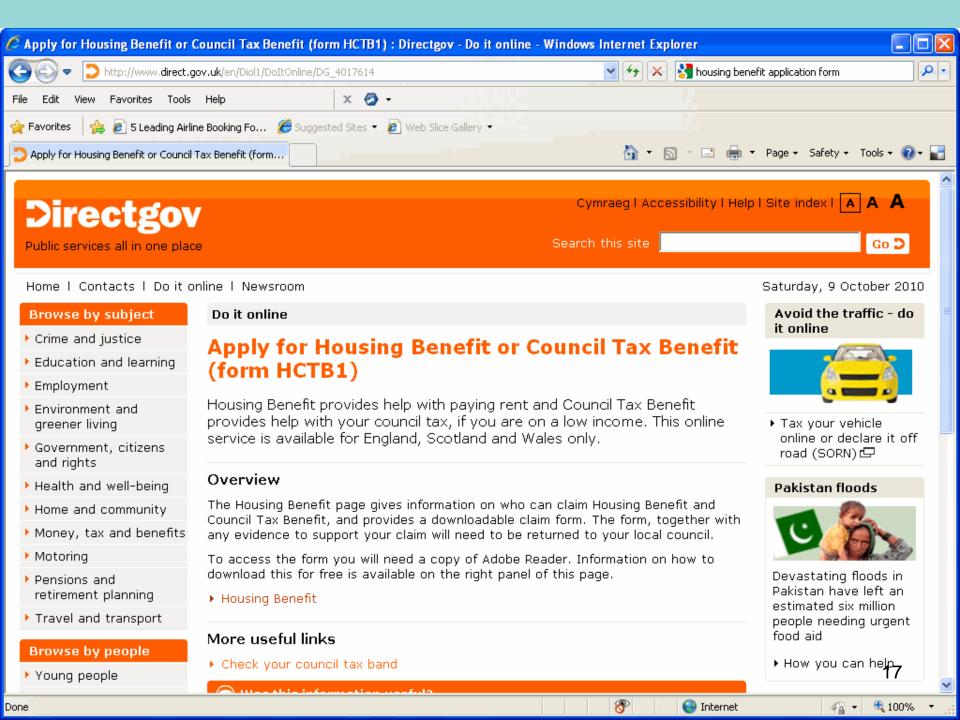
The idea:

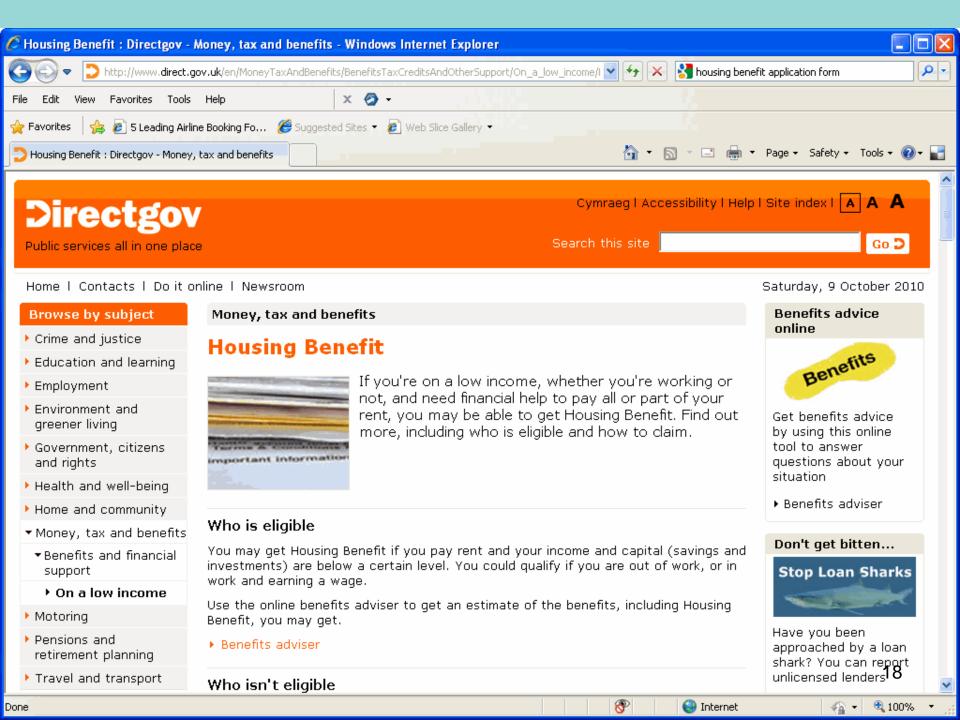
- Make sure that you have a single decision page
- Get users answering questions as quickly as possible

Examples:

Finding a housing benefit form







The link I needed was on that page, but required scrolling. A lot.



If you're not claiming other benefits

If you're not claiming Pension Credit, Income Support, Employment and Support Allowance or Jobseeker's Allowance you can get a form for Housing Benefit and Council Tax Benefit (including Second Adult Rebate) from your local council.

- Find your local council
- ▶ Council Tax Benefit.

Download a claim form

You can download a claim form, below, from the Department for Work and Pensions (DWP) website.

- Download Housing Benefit claim form (PDF document 179 K)
- Download the interactive Housing Benefit claim form
- ▶ Help with PDF files

Claiming in advance

If you know you're moving to a new address, you can claim Housing Benefit up to 13 weeks (17 weeks if you're aged 60 or over) before you move.

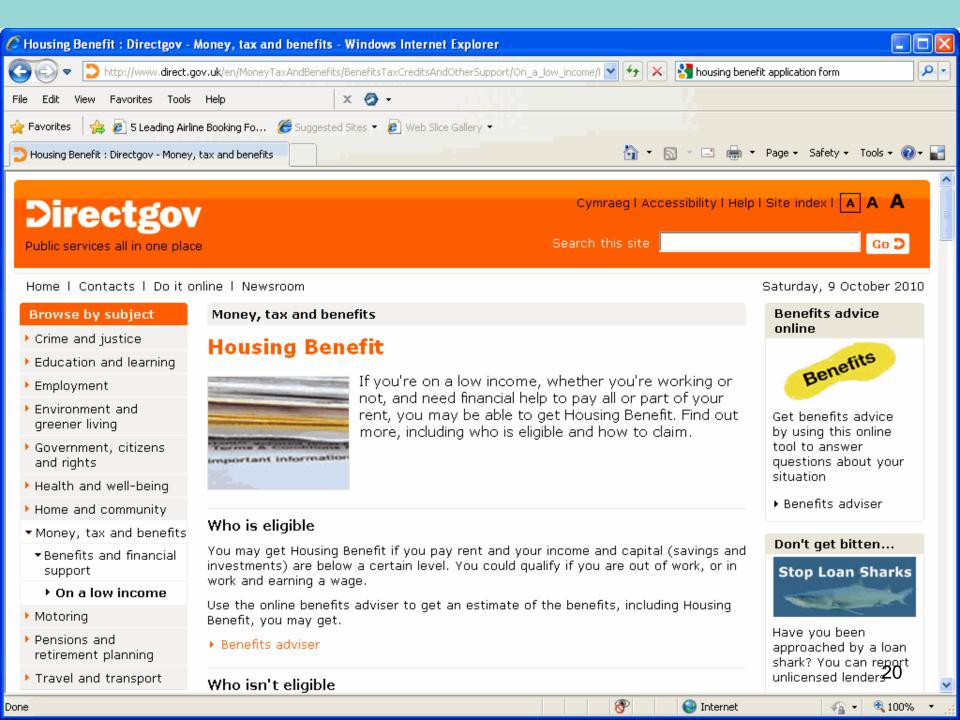
You won't usually get any money before you move in.

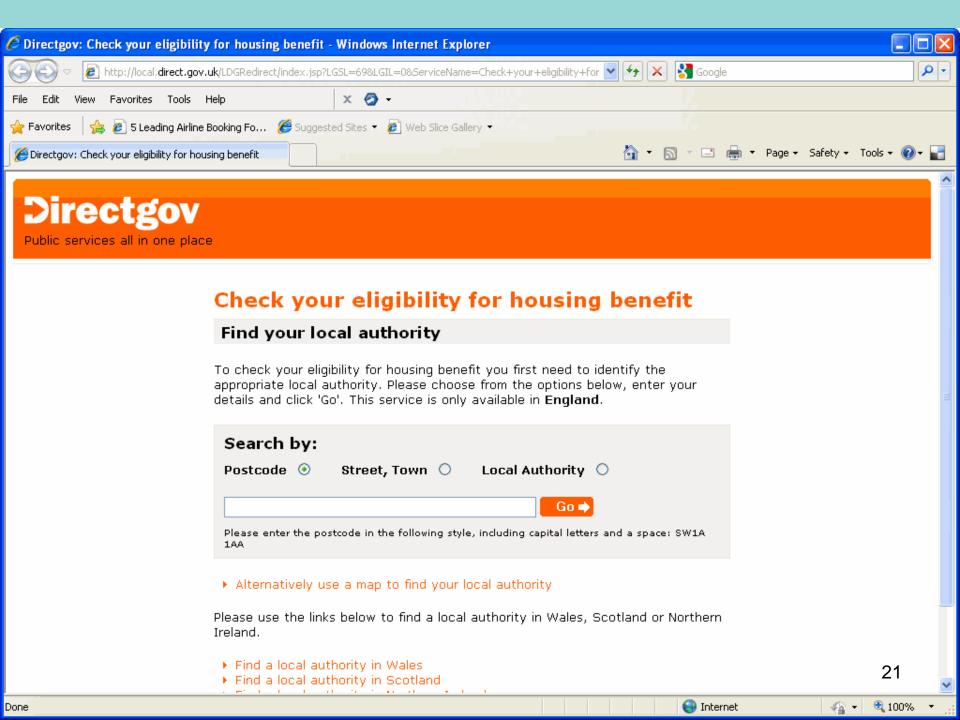
Backdating your claim

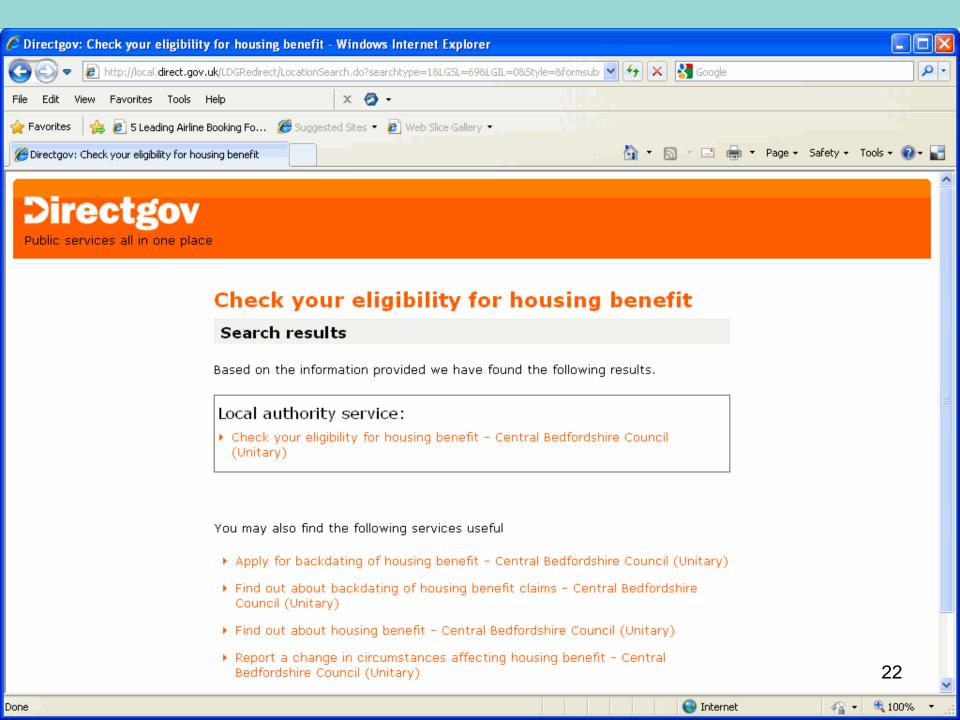
You may be eligible to get your claim backdated. Your local authority can advise you on this.

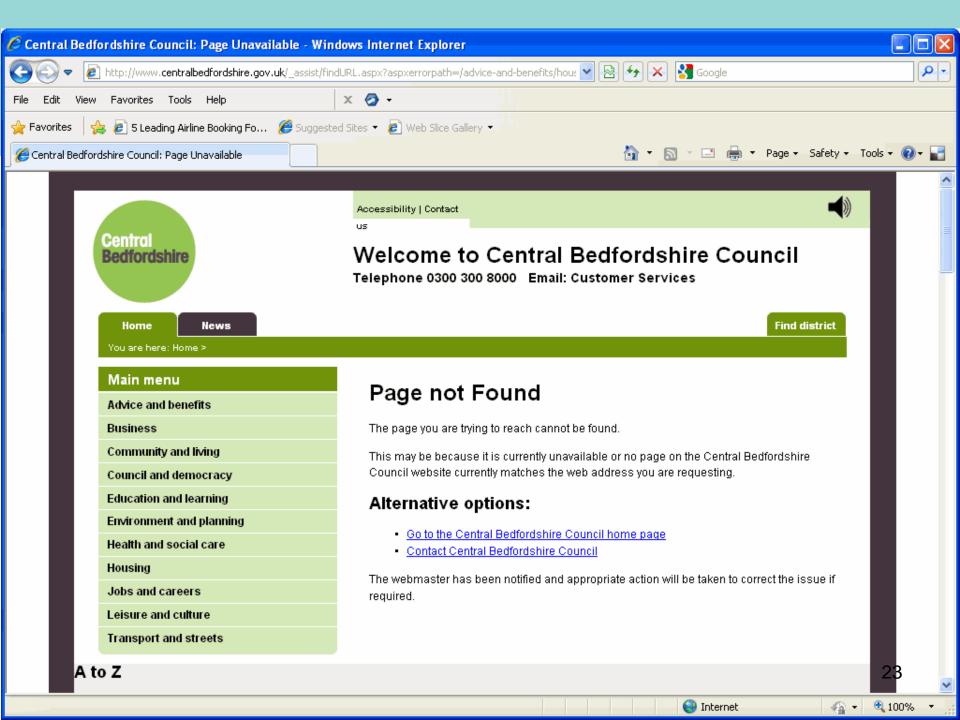
The following links will let you enter details of where you live and then take you to your local authority website where you can find out more.

- 🕨 Find out about backdating of Housing Benefit claims 🗗
- Apply for backdating of Housing Benefit









Tip:

Provide a list of materials for users to assemble

- The challenge:
 - Users have to gather their answers from a range of different sources
- The complications:
 - Users may not realise that they'll need all sorts of bits and pieces

The idea

Provide a list of the items that the users will need

Even better idea

- Get users to answer a series of questions about the specific items
- Variation
 - Provide a cast of characters (people involved in preparing the form)

Application for a student loan: typical example

Create Account

Please complete the fields below and click Submit to create your Student Aid account.

	Personal Data to Verify Your Identity
Your First	Name:
Your Last	Name:
Email Ac	ldress:
	SIN: ex: 111222333, no hyphens or spaces.
Date o	f Birth:
	YYYY MM DD
	CHOOSE CREDENTIALS FOR YOUR ACCOUNT
Th	is information will be required each time you access the system.
Username	:
Password	Password must be at least 8 characters, and
Confirm	must contain at least one uppercase letter,
Password	one lowercase letter and one digit.
	Password Reset Question
Pi	Used to reset your password if you forget it. ck something easy to remember, but difficult for others to guess.
Question:	
Answer:	
	Please do not include personal information that could identify ou or another individual in your security question or answer.
Canada Studeni	ersonal information is authorized under the authority of the Canada Student L t Financial Assistance Act, and the Student Financial Assistance Act for the pu of administering the Student Aid program. have any questions, please contact the Student Financial Aid Division.

Submit

Cancel

Application for a student loan: slightly better example

Register and login to student finance online services

Already registered - login

- apply for full-time student finance
- · update your bank details
- · view payments and correspondence

Continue to Login 🕒

- Find out your login details
- Received a suspicious email?

New to Student Finance England

Full time students

Register and apply for full-time student finance online

Parents & partners

Register and support a full-time student finance application

Before you start applying - what you might need

- · passport (if you have one)
- university or college details, and the course you're applying to
- · course start date
- bank details
- National Insurance number
- income details (if you have an income)
- · names and address of anyone who will be supporting your application, if appropriate

Need help? Service updates and FAQs

Check the following Directgov pages if you need advice on your student finance application, or if you have problems logging in and aptiping.

Service updates from Student Finance England

Tip: Help users to understand the decisions needed

The challenge:

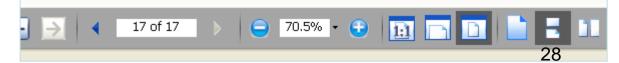
- Complex forms may require considerable thought
- Your organisation knows the about what decisions are needed; the users don't.

The ideas:

- Provide links to appropriate advice
- Provide a help line number (most users won't use it, but it's reassuring)
- Set up a checklist or quiz: "Are you ready?"
- Examples: Advance Directives.
 - These forms require decision-making over years
 - Users need to understand those decisions

Maryland, USA has a checklist

Did You Remember To ... Fill out Part I if you want to name a health care agent? Name one or two back-up agents in case your first choice as health care agent is not available when needed? Talk to your agents and back-up agent about your values and priorities, and decide whether that's enough guidance or whether you also want to make specific health care decisions in the advance directive? If you want to make specific decisions, fill out Part II, choosing carefully among alternatives? Sign and date the advance directive in Part III, in front of two witnesses who also need to sign? Look over the "After My Death" form to see if you want to fill out any part of it? Make sure your health care agent (if you named one), your family, and your doctor know about your advance care planning? Give a copy of your advance directive to your health care agent, family members, doctor, and hospital or nursing home if you are a patient there?



Consumer's Tool Kit for Health Care Advance Planning

INTRODUCTION

If you are looking at this tool kit, you are either thinking of making a health care advance directive (such as a living will or durable power of attorney for health care), or you may have already signed one. In either case, you should be aware that just having a written advance directive by itself does not ensure that your wishes will be understood and respected. Studies have shown that standard advance directive forms do little to influence end-of-life decisions without: 1) informed, thoughtful reflection about your wishes and values, and 2) personal communication between you and your likely decision-makers before a crisis occurs.

WHY A TOOL KIT?

Good advance planning for health care decisions is, in reality, a continuing conversation - about values, priorities, the meaning of one's life, and quality of life. To help you in this process, this tool kit contains a variety of self-help worksheets, suggestions, and resources. There are 10 tools in all, each clearly labeled and user-friendly. The tool kit does not create a formal advance directive for you. Instead, it helps you do the much harder job of discovering, clarifying, and communicating what is important to you in the face of serious illness.

List of "Tools" for Health Care Advance Planning

There Are 10 "Tools" in This Tool Kit:

Notice of Copyright and Notes to Second Edition Tool #1 How to Select Your Health Care Agent or Proxy Tool #2 Are Some Conditions Worse than Death? Tool #3 HOW DO YOU WEIGH ODDS OF SURVIVAL? PERSONAL PRIORITIES AND SPIRITUAL VALUES IMPORTANT TO YOUR MEDICAL Tool #4 DECISIONS Tool #5 AFTER DEATH DECISIONS TO THINK ABOUT NOW Tool #6 CONVERSATION SCRIPTS: GETTING PAST THE RESISTANCE Tool #7 THE PROXY QUIZ FOR FAMILY & PHYSICIAN Tool#8 WHAT TO DO AFTER SIGNING YOUR HEALTH CARE ADVANCE DIRECTIVE Tool #9 GUIDE FOR HEALTH CARE PROXIES. Tool #10 RESOURCES: ADVANCE PLANNING FOR HEALTH CARE

Advice from the American Bar Association

STARTING THE DISCUSSION

There's no "right" way to start. Nor is there a "right" time. Nor does the discussion necessarily have to be somber and mournful. Here are some suggestions for getting started:

Start with a story of someone else's experience:

"Do you remember what happened to so-and-so and what his family went through? I don't want you to have to go through that with me. That's why I want to talk about this now. while we can."

"Neither Richard Nixon nor Jackie Kennedy was placed on life support. I wonder if they had living wills and made what they wanted clear in advance."

Blame it on your attorney:

"Mr. Darrow, my lawyer, says that before I complete some legal documents, I need to talk over with you some plans about end-of-life medical care."

Tip: Use layered guidance

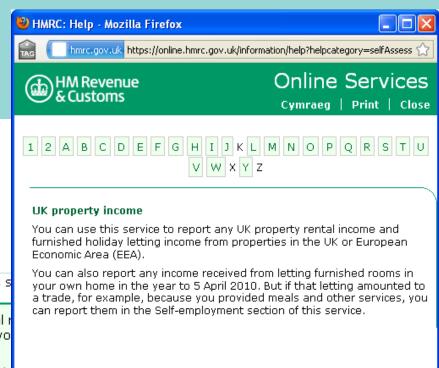
- The challenge:
 - Complex questions and concepts require a lot of explanation



The idea

- 80/20 rules apply to guidance on forms.
- Put guidance for the most common items directly on the form
- Guidance for less common items can be placed in separate help files
- Guidance for very uncommon items could be further hidden away
- Example: guidance for boxes on tax returns

From the UK tax return online



This section explains who can and cannot file a return online using this s



You can use this service if in the tax year ending 5 April 2010 you received

- · employment income
- · self-employment income
- partnership income
- · UK property income



- pensions
- UK interest, dividends etc



· foreign income



 capital gains (If you are entitled to to the annual exempt amount)

@

Find out which financial r will need to complete yo online.

It is very important that the correct amount in th appropriate box on the Errors or mistakes can le

being asked to pay the wrong amount of tax, and can take time to correct.



Help icons are provided throughout if you need specific help or information whilst completing your return.



Find out more about using the File a return service I Rent out a room in my home?

And more detailed



UK property notes

Tax year 6 April 2009 to 5 April 2010

Contacts

Please phone:

- the number printed on page TR 1 of your tax return
- the Helpline on 0845 9000 444
- the Orderline on 0845 9000 404 for helpsheets

or go to www.hmrc.gov.uk Complete the *UK property* pages if, in the year to 5 April 2010 you received:

- rental income and other receipts from UK land and/or pro
- income from letting furnished holiday accommodation in European Economic Area (EEA)
- · premiums arising from leases of UK land
- an inducement to take an interest in any property for lett reverse premium).

But use the Self-employment pages for any income from:

- canals, inland navigations and docks
- · mines and quarries, including sandpits, gravel pits and brick-fields
- · rights of markets and fairs, tolls, bridges and ferries
- · farming, market gardening or other commercial occupation of land
- hotels and guest houses
- letting furnished accommodation in your home that amounts to a trade, for example, if you run a guest house or offer bed and breakfast, rather than just taking in a lodger
- way leaves if the land to which the way leave relates is used in your trade.

Use other pages of your tax return for any income from:

- way leaves if the land to which the way leave relates is used neither in your trade nor in your property rental business (box 16 on page TR 3)
- post-cessation receipts (that is rental income received after the property

Rent out a room in my home as my main trade?

And more detailed

Box 4 If you are claiming Rent a Room relief and your rents are £4,250 or less

If you let a furnished room or rooms in your own home (excluding a room used exclusively as an office) and your total income was less than the Rent a Room exemption, £4,250 (or £2,125 if let jointly), put 'X' in the box. 'Total income' means the rents for the year to 5 April 2010 plus any income from services you provided. If that is your only letting income that is all you have to do on the UK property pages.

But, if your total income from this sort of letting was more than £4,250 you can choose between:

- paying tax just on the excess over £4,250 (or £2,125 if let jointly) without taking off any expenses. If so, include your total income in box 18 and the exempt amount (£4,250, or £2,125 if let jointly) in box 35, or
- calculating your profit from letting in the usual way that is, total income (included in box 18) minus allowable expenses (boxes 22 to 27), leaving box 35 blank. You may want to do this if, for instance, you have made a loss.

The Rent a Room scheme is described in more detail in Helpsheet 223 Rent a Room for traders.

Rent out a room in my home as my main trade?

And more detailed

Rent out a room in my home as my main trade?



Help Sheet 223

Tax year 6 April 2008 to 5 April 2009

Rent a Room for traders

If your trade involves providing furnished accommodation, this Help Sheet will help you fill in the *Self-employment* pages (short or full) of your Tax Return taking into account the Rent a Room scheme, if it applies. If the provision of furnished rooms does not amount to a trade do not fill in the *Self-employment* pages; fill in the *UK property* pages instead.

Rent a Room scheme

Rent a Room applies only to owner occupiers and tenants who receive rent from letting furnished accommodation in their only or main home. If your gross receipts (before expenses and including any amounts received for meals, goods and services provided, such as cleaning or laundry) and any balancing charges do not exceed £4,250 you will be exempt from Income Tax on any profits made. You can however, opt out of Rent a Room; you may want to do this if you have made a loss.

If your gross receipts are more than £4,250 you can choose between paying tax on:

- your actual profit (gross rents minus actual expenses and capital allowances), or
- gross receipts (and any balancing charges) minus £4,250 with no deduction for expenses or capital allowances.

Fema explains the information you need, and lots of help before, during and after applying

Apply for Assistance



Before you Apply

- What is disaster assistance?
- Do I qualify for assistance?
- · What information do I need to apply?
- What items are covered by disaster assistance?
- What are my rights?
- Frequently Asked Questions
- CLC Participating Hotels



Apply online through the new <u>Disaster</u>
<u>Assistance</u> site for consolidated disaster information



- What is the status of my application?
- · Can I change my info?
- · What happens next?
- How can I spend the money?
- Why was I denied assistance?
- Can I have my case reviewed?
- How do I make a payment?
- more

A conversation that flows

Tips that are about organizing the flow of a complex form

The usual ideas about providing screen-by-screen validations often break down for complex forms

Tip: Use a summary menu instead of a progress indicator

- The challenge:
 - It helps users if they can see how much they have done on the form, but the form doesn't 'progress' from screen to screen

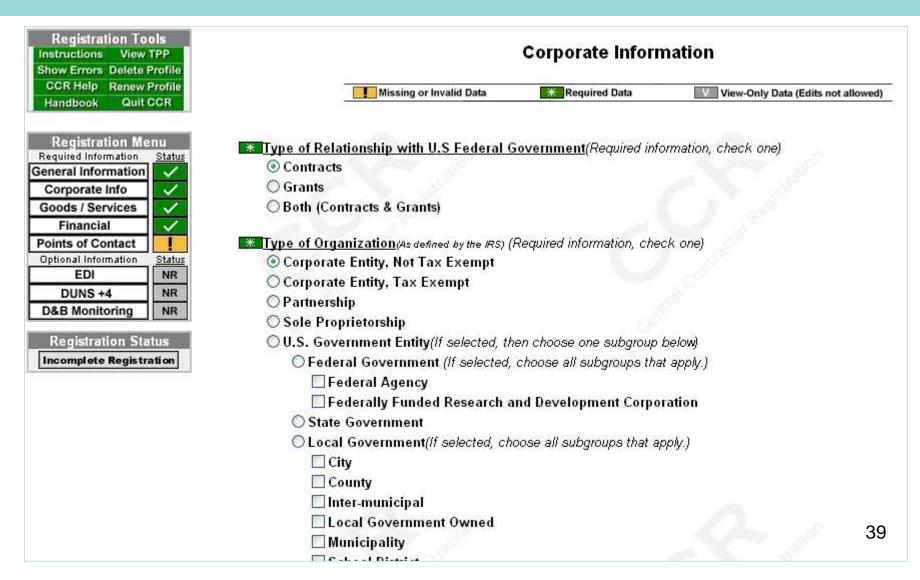


 Use a summary menu so that users can choose which part of the form to do next

Example:

US government Central Contractor Registration form

The summary menu changes as you finish chunks of the form



Tip:

Work hard to have great save/resume features

The challenge:

 Users have to assemble data from several sources, so they are unlikely to fill in the form in one session.



- Ensure that they can save the form and get back to where they were without difficulty
- Have a retention policy
 - Decide how long you will retain partially-completed forms
 - Decide whether or not you will tell the user about this

Example:

 In a review of job application forms on 6 top-rated UK local government web sites, only one site had good save and resume features

Appearance

Tips that are about making complex forms look good.

A long, difficult form is a daunting thing for a user.

Tip: Avoid two-column forms

The challenge:

- You have a large number of fields and the form looks dauntingly long
- It's tempting to use two (or even more) columns to crush the fields into a smaller space

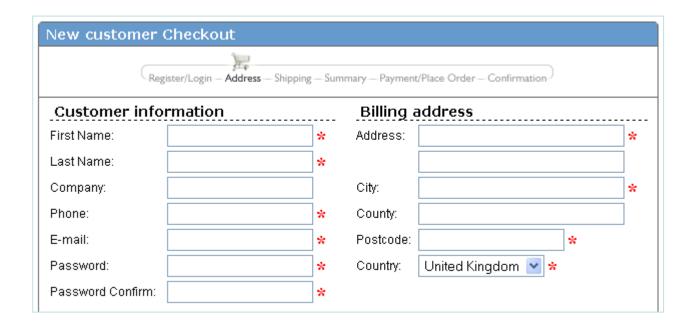
The idea

- If your users will use the form constantly as part of their everyday work, do contextual enquiry to find out whether a tightly-packed layout will be more or less efficient for them
- If your users encounter the form infrequently, avoid two-column forms. Even if your form is well-designed, users often see poorly-designed examples and will bring that experience with them to your form.

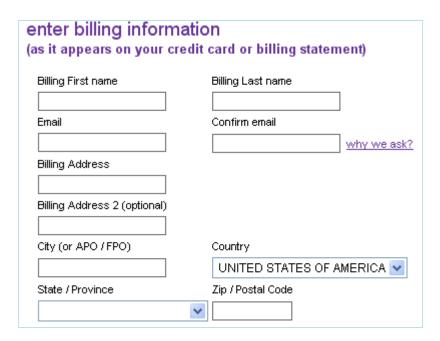
Examples:

Two-column forms are easy to mess up, giving a poor reading order

Two column form. What is the reading order?



Two column form. What is the reading order?



Two column form. What is the reading order?



Tip: Segment the form by topic; and if multiple users are involved, by user

The challenge:

You have a large number of fields and the form looks dauntingly long



The idea

- Cut the form into smaller sections. It will seem less difficult.
- Don't go crazy! You want chunks that are big enough to create topics.

Example:

not the most complicated, but a type of form many of us are familiar with:
 the event submission

Splitting everything up makes it look as if nothing goes together

Date of Event: REQUIRED!	Month: Ja	anuary 💌	Day: 1		Year: 2005 🕶	
Title of event: REQUIRED!						
Sub-title:						
Description of e	vent, exactly	as you want it to a	appear (1,000 characters	max):		
					<u> </u>	
Role	Title	First Name	Middle Name or Initial	Last Name	Pseudon	y m
Moderator 1:	~					
Credit:						
(e.g. painter) E-mail:						47

Stripping out some of the lines creates better chunks (and makes the form look shorter)

Date of Event: REQUIRED!	Month:	January V Da	y: 1 Year: 2005	5 💌	
Title of event: REQUIRED! Sub-title:					
Description of e	event, exactly	as you want it to a	ppear (1,000 characters n	nax):	
					V
Role	Title	First Name	Middle Name or Initial	Last Name	Pseudonym
Role Moderator 1:	Title	First Name		Last Name	Pseudonym
		First Name		Last Name	Pseudonym
Moderator 1: Credit:		First Name		Last Name	Pseudonym
Moderator 1: Credit: (e.g. painter)		First Name First Name		Last Name Last Name	Pseudonym

Question time

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I'm a consultant, hire me:

Consultancy: www.effortmark.co.uk

Training: www.usabilitythatworks.com

Free stuff:

Forms advice: www.formsthatwork.com

Editing: www.editingthatworks.com

Columns: www.usabilitynews.com

"Caroline's Corner"

www.uxmatters.com

"Good Questions"

