

Creating An Online Survey Using Zope & QSurvey:

A Step by Step Introduction [Download this Document as PDF](#)

Main URL for the Zope Management Interface:

<https://web2survey.unt.edu/users/EUID/manage> (replace "EUID" with the appropriate user folder name, i.e. - your EUID)

NOTE: In Windows under "My Network Places", "Add Network Place" with URL:

<https://web2survey.unt.edu/users/EUID/> (replace "EUID" with the appropriate user folder name, i.e. - your EUID)

Yahoo Groups Forum for using Zope with QSurvey at UNT:

Group name: zopeunt

Group home page: <http://groups.yahoo.com/group/zopeunt>

Group email: zopeunt@yahogroups.com

AVI Tutorial Download

These are a set of [14 zipped AVI videos](#) (approx. 53 meg. total) with sound (5-10 minutes each) that demonstrate how to authenticate in to the Zope server and create a QSurvey object from beginning to end. I will post more AVI's as I record them. I will also post some AVI's on how to download the data and import into a statistical package.

Introduction

Zope

Zope is a web publishing system. It consists of an optional web server, a middle layer which coordinates getting things into and out of the database, and an object database. You can leave out the web server and run Zope behind Apache or IIS. Zope is designed to, and excels at, publishing dynamic content. If you have a three page web site, Zope is overkill. If you have hundreds and thousands of pages, lots of users, and impatient readers, Zope is a very good thing. Zope is also open-source, which is crucial to its success. (Zope is actually an acronym: it stands for Z Object Publishing Environment. The programming languages used to build Zope are Python and C. Most of Zope is written in Python, and any bits where performance is crucial have been rewritten in C. Zope has been described as Python's killer application; that is, the one application that makes it well worth learning Python and which best shows off the power of Python.

Zope (Z Object Publishing Environment)

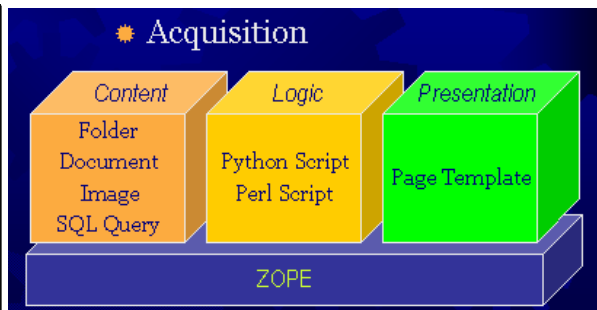
- Digital Creations (1998) → Zope Corporation. (2001)
- Originally Used for Newspaper Publishing
- Zope is Based on Python; Cross-Platform
- Zope uses an Object-Oriented Web development Model
- Content, Logic, & Presentation are separated

Component Features

- ZServer + Apache - Can be used alone or in conjunction with Apache
- Through-the-Web Management - Zope Management Interface (ZMI)
- Integrated Control: Undo, Security
- ZODB + SQL Database Adaptor - Built in Object Database and API's for Popular Databases
- Built-in Search Tools: ZCatalog
- Safe Delegation: acl_users folder allows management of usernames and passwords
- Extensible Modules: Products - QSurvey is one example

Web Development Model

☀ URL == Object Path



QSurvey

The QSurvey product is designed to make on-line surveys easy to write. Instead of having first to develop the backend for the storage, then adapt the questions to the storage available, this product allows you to concentrate on the survey and its questions. Zope takes care of the storage. The page-centric model with optional branching determines at run-time which page to display next. If you need more than simple questions, you may include DTML Document material interspersed with your questions. This means that Images and other content are allowed inside a QPage.

QSurvey features:

- A page-oriented model, with the QSurvey holding QPages, and QPages holding DTML Documents and Questions.
- Multi-page interaction is possible with branching dependent on the values of a multiple-choice question.
- All Multiple-Choice are a single type. Select listbox, radio, checkbox, formatting from a single "options" tab.
- Ordering of things within a page from a management tab in the QPage object.
- Uses css instead of tables. Looks very nice in IE4+, Mozilla. Acceptable on NS4. Degrades nicely for Lynx. Deliberately ugly default css provided to encourage customization.
- Pays attention to AUTHENTICATED_USER for results ID creation .
- RESULTS available in various tab-delimited formats.

Resources

Information on the Zope Web-Content Management System

[Installing and Starting Zope](#)

<http://www.zope.org/> - Main Zope Site

<http://www.zope.org/Members/michel/ZB/> - "The Zope Book" Online

<http://www.zope.org/Resources/>

<http://weblogs.userland.com/zopeNewbies/ZopeFAQ/>

<http://weblogs.userland.com/zopeNewbies/zopesites/http://www.oreillynet.com/pub/a/network/2000/02/02/zopekeynote.html>

http://www.sdtimes.com/cols/webwatch_023.htm

Free Zope Hosting

<http://www.freezope.org/>

<http://www.nipltd.net/Free>

General Introductions to Survey Methodology

[General Introduction to Internet Survey Construction](#)

[Using the Internet for Quantitative Survey Research](#)

[Survey Analysis via Email and Internet - Online E-Book](#)

[Articles on Survey Construction and Analysis](#)

[Everything About Web Surveys](#)

[American Statistical Association Series on Surveys](#)

[Essentials of Survey Research](#)

[Social Surveys Online](#)

[Survey Design](#)

[A Collection of Papers on Non-Response in Surveys](#)

[Articles on Internet Survey Methodology - Dillman](#)

[Review Article on Internet Data Collection](#)
[Review Article on Survey Research](#)

S Language Interface and Links

[Statistical Computing Interface](#)
[Download R for Windows](#)
[Help Page for the R library "survey" - library for analyzing complex surveys](#)

Other Resources and Free Statistical Packages for Surveys

[Website for AM Statistical Software \(Windows platform\) - Software for Complex Survey Analysis](#)
[Download AM software, manual, and patch file - ZIP file contains self extracting file](#)
[Digital Resources for Evaluators](#)

Introduction to the QSurvey Zope Software

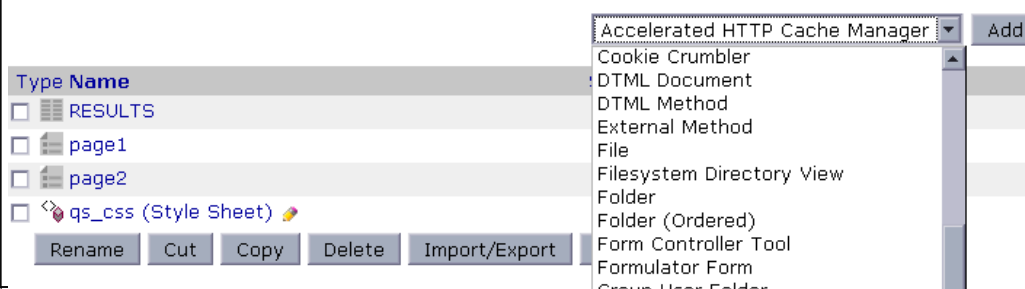
Quick Overview of General Usage of QSurvey

Create a QSurvey. Within the QSurvey, create a QPage. Within the QPage, add questions. Within each question, enter the text for the question and the choices if it is a multiple-choice question. Set options on each question from the "Options" management tab. "View" or index_html from the QSurvey level actually writes to the ZODB when submitted; "View" from QPage or "Question" level will dump REQUEST when submitted. Please note that a QSurvey page will not work outside of a QSurvey survey object, nor will QSurvey questions work outside of a QSurvey page - you must retain the hierarchical structure of the QSurvey objects. QSurvey uses Zope's session tracking and commits save on submission of the last page. To make this happen, create a final FINISH page, and on the Button_Text tab, set the button text. This is a good place to say "thanks for completing the survey." **Make sure that you set the first page of the survey by going to the "Navigation Tab" at the survey folder level. Choose the first page of the survey. You will need to set the transitions for each page at the survey page folder level. It is very important that you DO NOT set the transition on the "Transition Tab" for the last page. This will cause the survey to not submit the results to the Zope ZODB database.** A "RESULTS" folder and a "qss_css" file will be created when the first survey result is submitted. The qss_css file is a cascading style sheet that can be edited to change the look and feel (colors, formatting) of the survey. Within the RESULTS folder there are a few tabs that extract the data from the ZODB database. The tabs: "tsv_single" (single selection questions); "tsv_multiple" (multiple selection questions); "tsv_text" (text box only questions) extract your submitted data into a tab-delimited text file that can be downloaded to your desktop for input into Excel or SPSS for example. Lastly, it is important to note that browser errors are cached whenever a QSurvey survey is being built and tested. So that whenever a problem is corrected in the survey, that the error will persist in displaying. You will need to close all browser down and re-spawn your browser to have the corrected survey display without errors.

Adding an LDAPUserFolder to an Existing QSurvey Survey

PLEASE NOTE UPDATE: THE LDAPUserFolder will need to use the *auth.unt.edu* LDAP server instead of id.unt.edu (for example, the information in the following screen shots is inaccurate on this information).

To use an LDAPUserFolder you must first delete the regular "acs_users" folder object if it exists. Select LDAPUserFolder from the drop down list of Zope objects. **Note: If you currently use your EUID as your username for login to the Zope management interface, you will need to change your Zope login username to a username different from the EUID username currently in the LDAP database - there are conflicts between the LDAP EUID username and any usernames assigned in Zope that are identical to the LDAP usernames.** Once the LDAPUserFolder object is created, go into that folder and fill in the form with appropriate information as listed in the screenshots below:



- Group User Folder
- Image
- LDAPUserFolder**
- LDAPUserSatellite
- Mail Host
- MultipleChoiceQuestion
- Page Template
- Plone Content
- Plone Site
- Plone Tool

Change the basic properties of your LDAPUserFolder on this form.

Title

Login Name Attribute

User ID Attribute

RDN Attribute

Users Base DN **Scope**

Group storage

Groups Base DN **Scope**

Manager DN **Password**

Manager DN Usage **Read-only**

User object classes

User password encryption

Default User Roles

LDAP Servers (Currently connected to: ldap://id.unt.edu:389)

<input type="checkbox"/>	id.unt.edu	389	LDAP
--------------------------	------------	-----	------

Add LDAP Server

Server host name or IP

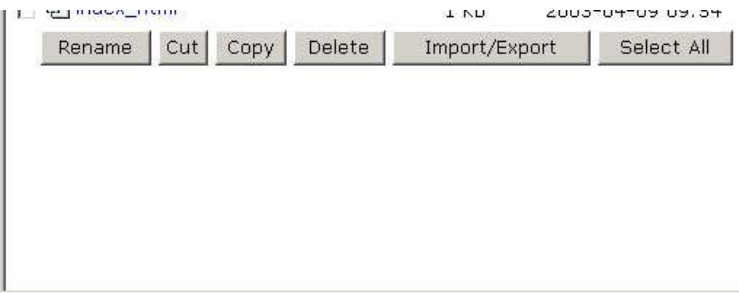
Server port

Protocol

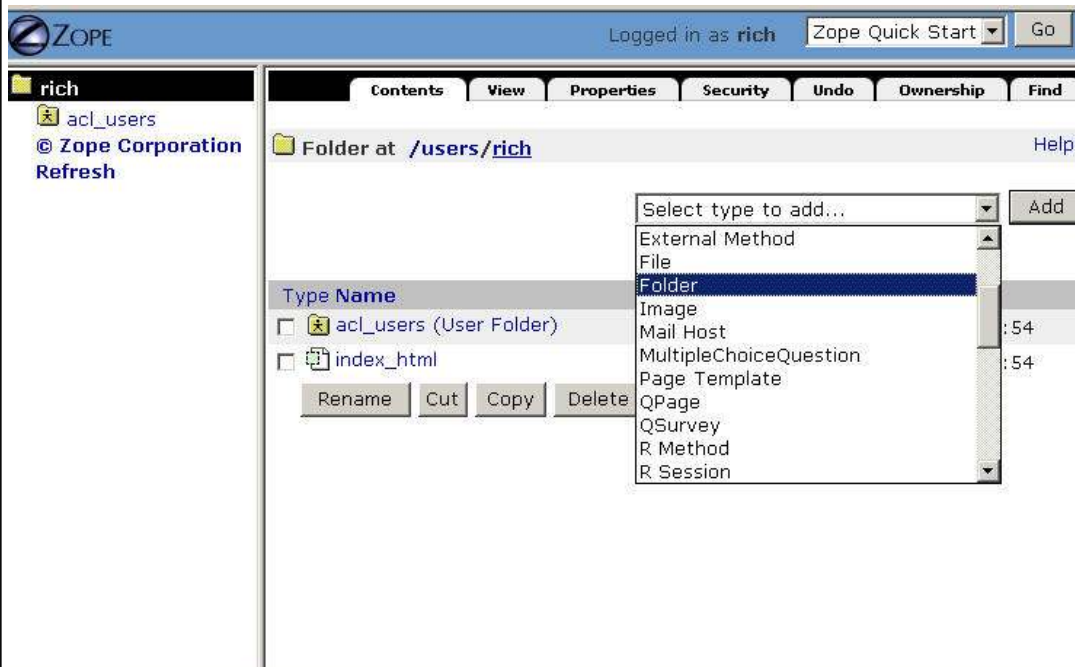
Creating a QSurvey Survey: Screenshots from beginning to end:

Screen 1

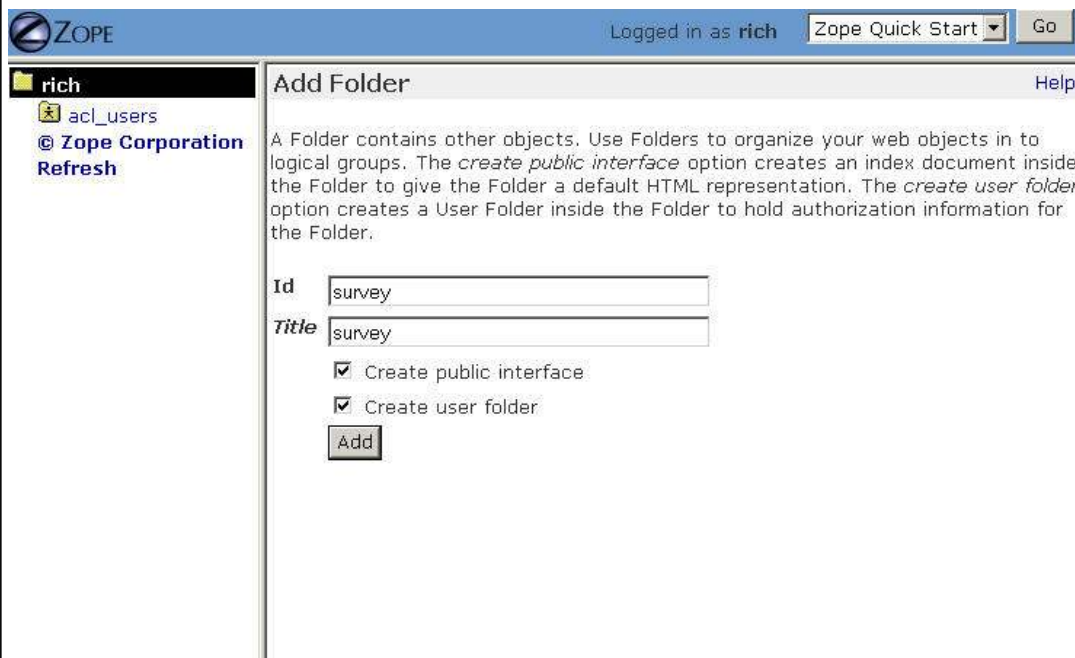




Screen 2



Screen 3



Screen 4

ZOPE Logged in as rich Zope Quick Start Go

rich
acl_users
@ Zope Corporation
Refresh

Add User Help!

To add a new user, enter the name ,password, confirmation and roles for the new user and click "Add". *Domains* is an optional list of domains from which the user is allowed to login.

Name:

Password:

(Confirm):

Domains:

Roles: Manager Owner

Screen 5

ZOPE Logged in as rich Zope Quick Start Go

rich
acl_us
survey
@ Zope Co
Refresh

selected then the containing objects's permission settings are used. Note: the acquired permission settings may be augmented by selecting Roles for a permission in addition to selecting to acquire permissions.

Permission	Roles
Acquire permission settings?	Anonymous Authenticated Manager Own
<input type="checkbox"/> Access RSession Methods	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Access Transient Objects	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Access arbitrary user session data	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Access contents information	<input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<input type="checkbox"/> Access session data	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Add Accelerated HTTP Cache Managers	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Add Browser Id Manager	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Add CSV Files	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Add Database Methods	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

Screen 6

ZOPE Logged in as rich Zope Quick Start Go

rich
acl_us
survey
@ Zope Co
Refresh

<input type="checkbox"/> Use Database Methods	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Use Factories	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Use R Methods	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> Use mailhost services	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> View	<input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<input type="checkbox"/> View History	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> View management screens	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> WebDAV Lock items	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> WebDAV Unlock items	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> WebDAV access	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

You can define new roles by entering a role name and clicking the "Add Role" button

You can define new roles by entering a role name and clicking the Add Role button.

User defined roles

Screen 7

The screenshot shows a Microsoft Internet Explorer window titled "RSS Web - Microsoft Internet Explorer". The address bar shows "http://zope.unt.edu/users/rich/survey/". The browser's link bar includes "Google", "CRAN", "Rprog", "Rprog - Surveys Server", "Benchmarks", "RSS Matters", "Rich - Class", and "Remedy".

The main content area displays the "Research and Statistical Support University of North Texas" logo. A "CPSR" link is visible on the right. A "1." label is placed to the left of the login dialog box.

The "Enter Network Password" dialog box is open, containing the following text and fields:

- 1. Please type your user name and password.
- Site: zope.unt.edu
- Realm: Zope
- User Name:
- Password:
- Save this password in your password list
- Buttons: OK, Cancel

Below the dialog box, a "2." label is placed to the left of a list of links:

- [Sample Programs](#)
- [RSS Tutorials](#)
- [RSS Publications](#)

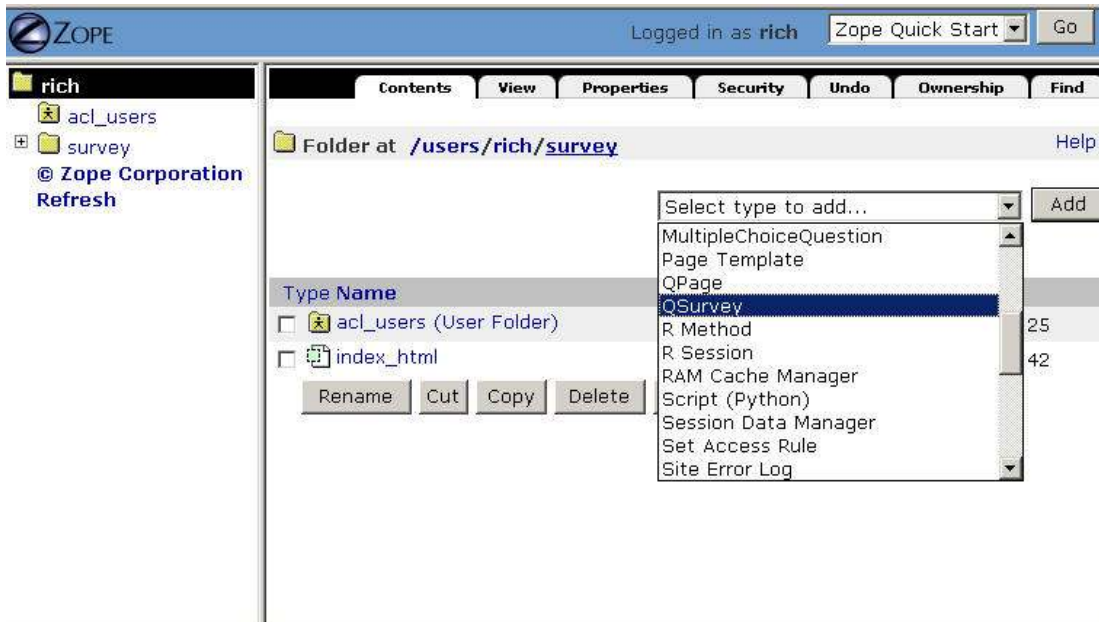
On the left side of the browser window, there is a navigation menu with links: Data, Software, Consulting, FAQ, On-line Documents, Helpdesk, On-line SAS Docs, On-line S-Plus Docs (pdf), Web interface to GNU-S (R), and ICPSR Search. Below the menu is a search box with "Search" and "Reset" buttons, and a "Study #" field.

Screen 8

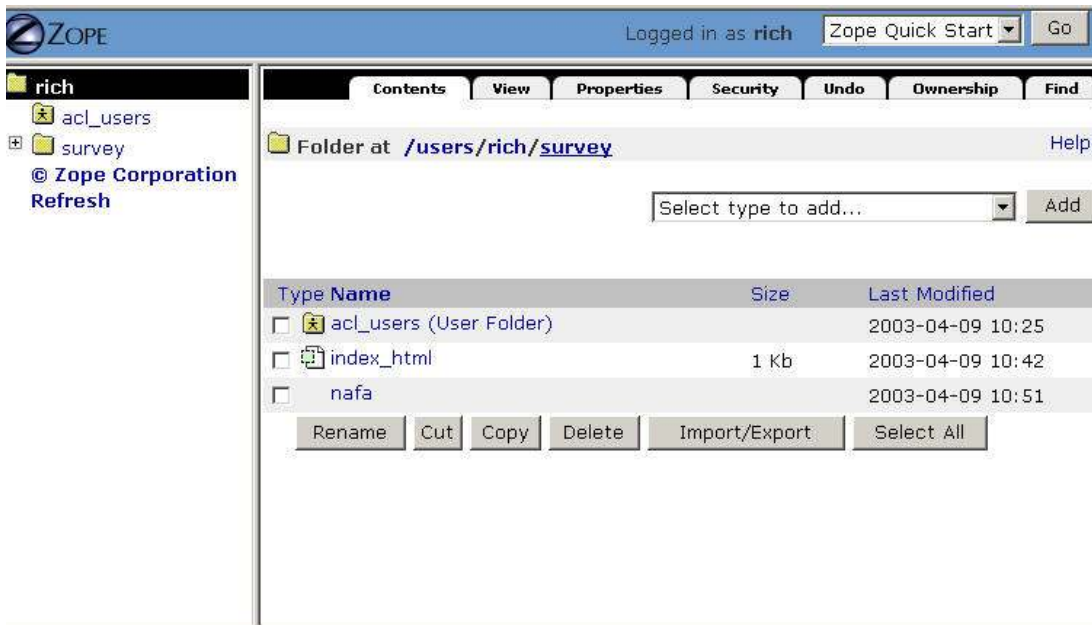
The screenshot shows the same Microsoft Internet Explorer window. The address bar still shows "http://zope.unt.edu/users/rich/survey/". The browser's link bar is the same as in Screen 7.

The main content area displays the word "survey" in a large, bold, serif font. Below it, the text reads "This is Page Template *index.html*".

Screen 9



Screen 10



Screen 11



Import/Export

- QSurvey
- R Method
- R Session
- RAM Cache Manager
- Script (Python)
- Session Data Manager
- Set Access Rule
- Site Error Log

Screen 12

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
- © Zope Corporation
- Refresh

Add QPage

Id:

Screen 13

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
- © Zope Corporation
- Refresh

Contents Preferences Author_Info Formatting Navigation View All Security

QSurvey at /users/rich/survey/nafa

Select type to add...

Type	Name	Size	Last Modified
<input type="checkbox"/>	QPage1		2003-04-09 10:52

Screen 14

ZOPE Logged in as rich Zope Quick Start Go

rich

Contents View Transition Sub-item_Sequence Button_Text freq

QPage at /users/rich/survey/nafa/QPage1

There are currently no items in QPage1

Import/Export

Select type to add... Add

- Select type to add...
- DTML Document
- DTML Method
- File
- Folder
- Image
- MultipleChoiceQuestion
- TextQuestion

Screen 15

ZOPE Logged in as rich Zope Quick Start Go

rich

ac_l_users

survey

Zope Corporation Refresh

Add MultipleChoiceQuestion

Id Q1

Add

Screen 16

ZOPE Logged in as rich Zope Quick Start Go

rich

ac_l_users

survey

Zope Corporation Refresh

Contents View Transition Sub-item_Sequence Button_Text freq

QPage at /users/rich/survey/nafa/QPage1

Select type to add... Add

Type Name	Size	Last Modified
<input type="checkbox"/> Q1		2003-04-09 10:55

Rename Cut Copy Delete Import/Export Select All

Screen 17

MultipleChoiceQuestion at /users/rich/survey/nafa/QPage1/Q1/propertysheets/Question

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
question	What is the nature of your institution?	string
special_instructions		string
doc_sequence	1.0	float
is_demographic	<input type="checkbox"/>	boolean

Save Changes

Screen 18

MultipleChoiceQuestion at /users/rich/survey/nafa/QPage1/Q1/propertysheets/Answers

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
choices	Public Private, non-church affiliated Private, church-affiliated	lines
select_default	<input type="checkbox"/>	boolean
default_selection		selection

Save Changes

Screen 19

MultipleChoiceQuestion at /users/rich/survey/nafa/QPage1/Q1

You may optionally set a custom value for each choice:

user response	value
Public	
Private, non-church affiliated	

Private, non-church affiliated

Private, church-affiliated

Save Changes

Screen 20

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
 - Zope Corporation
 - Refresh

The Question View Choices Custom Values Options Branching Security

MultipleChoiceQuestion at /users/rich/survey/nafa/QPage1/Q1/propertysheets/options

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
choices_orientation	vertical	selection
columns_if_vertical	one	selection
save_option	save abc	selection
may_choose_more_than_one	save abc	boolean
use_other	save 123	boolean
other_text	save actual value	string
other_width	20	int
show_abc	<input type="checkbox"/>	boolean
drop_down_list	<input type="checkbox"/>	boolean

Save Changes

Screen 21

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
 - Zope Corporation
 - Refresh

The Question View Choices Custom Values Options Branching Security

MultipleChoiceQuestion at /users/rich/survey/nafa/QPage1/Q1

To branch:

1. Check branch_on_this_question, below
2. Choose the next location the survey should go after each user response.

Note: Only one question on a page should do branching

See the branching for the [page](#) this question is on.

branch_on_this_question

user response	next page selection
Public	QPage1
Private, non-church affiliated	QPage1
Private, church-affiliated	QPage1

Save Changes

Screen 22

ZOPE Logged in as rich Zope Quick Start Go

rich
 acl_users
 survey
 Zope Corporation
 Refresh

What is the nature of your institution?

Public
 Private, non-church affiliated
 Private, church-affiliated

Submit Query

Screen 23

ZOPE Logged in as rich Zope Quick Start Go

rich
 acl_users
 survey
 Zope Corporation
 Refresh

The_Question View Choices Custom_Values Options Branching Security

MultipleChoiceQuestion at
</users/rich/survey/nafa/QPage1/Q2/propertiesheets/Question>

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
question	What is your undergraduate population?	string
special_instructions		string
doc_sequence	20	float
is_demographic	<input type="checkbox"/>	boolean

Save Changes

Screen 24

ZOPE Logged in as rich Zope Quick Start Go

rich
 Contents View Transition Sub-item_Sequence Button_Text freq

acf_users
 survey
 © Zope Corporation
 Refresh

QPage at </users/rich/survey/nafa/QPage1>

Type	Name	Size	Last Modified
<input type="checkbox"/>	Q1 (What is the nature of your institution?)		2003-04-09 11:00
<input type="checkbox"/>	Q2 (What is your undergraduate population?)		2003-04-09 11:05

Screen 25

Logged in as rich
Zope Quick Start

rich
 acf_users
 survey
 © Zope Corporation
 Refresh

What is the nature of your institution?

Public

Private, non-church affiliated

Private, church-affiliated

What is your undergraduate population?

under 1000

1000-2499

2500-4900

5000-9999

10,000 or above

Screen 26

Logged in as rich
Zope Quick Start

rich
 acf_users
 survey
 © Zope Corporation
 Refresh

Contents
View
Transition
Sub-item_Sequence
Button_Text

QPage at /users/rich/survey/nafa/QPage1/propertysheets/text_for_button

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
submittext	<input type="text" value="Continue to next page"/>	string

Screen 27

Logged in as **rich** Zope Quick Start

rich

- acl_users
- survey
- Zope Corporation
-

Contents
View
Transition
Sub-item
Sequence
Button Text
freq

[QPage](#) at </users/rich/survey/nafa/QPage1>

Item Ordering

Items with lower numbers go earlier on the page.

What is the nature of your institution?

What is your undergraduate population?

Screen 28

Logged in as **rich** Zope Quick Start

rich

- acl_users
- survey
- Zope Corporation
-

Contents
Preferences
Author_Info
Formatting
Navigation
View
All
Securit

[QSurvey](#) at </users/rich/survey/nafa>

Type	Name	Size	Last Modified
<input type="checkbox"/>	QPage1		2003-04-09 11:09

Screen 29

The screenshot shows the Zope web interface. At the top, it says "Logged in as rich" and "Zope Quick Start". The left sidebar shows a tree view with "rich" selected, containing "acl_users" and "survey". The main content area shows "QSurvey at /users/rich/survey/nafa". A context menu is open over an object named "QPage1", listing various object types to add: Folder, Image, Mail Host, MultipleChoiceQuestion, Page Template, QPage (highlighted), QSurvey, R Method, R Session, RAM Cache Manager, and Script (Python). Buttons for "Rename", "Cut", "Copy", and "Delete" are visible below the list.

Screen 30

The screenshot shows the Zope web interface with the "Add QPage" form. The top bar is the same as in Screen 29. The left sidebar is also the same. The main content area has the title "Add QPage" and a form with an "Id" field containing the text "QPage2" and an "Add" button below it.

Screen 31

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
- © Zope Corporation
- Refresh

Contents Preferences Author_Info Formatting Navigation View All Security

QSurvey at /users/rich/survey/nafa

Select type to add... Add

Type	Name	Size	Last Modified
<input type="checkbox"/>	QPage1		2003-04-09 11:09
<input type="checkbox"/>	QPage2		2003-04-09 11:18

Rename Cut Copy Delete Import/Export Select All

Screen 32

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
- © Zope Corporation
- Refresh

Contents View Transition Sub-item_Sequence Button_Text freq

QPage at /users/rich/survey/nafa/QPage2

Select type to add... Add

There are currently no items in *QPage2*

Import/Export

- Select type to add...
- DTML Document
- DTML Method
- File
- Folder
- Image
- MultipleChoiceQuestion
- TextQuestion

Screen 33

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey

Add MultipleChoiceQuestion

Text

© Zope Corporation
Refresh

Add

Screen 34

Logged in as rich
Zope Quick Start ▼
Go

rich

- acl_users
- survey
- © Zope Corporation
Refresh

The_Question | View | Choices | Custom_Values | Options | Branching | Security

MultipleChoiceQuestion at
</users/rich/survey/nafa/QPage2/Q3/propertysheets/Question>

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
question	What is the highest academic credential	string
special_instructions		string
doc_sequence	1.0	float
is_demographic	<input type="checkbox"/>	boolean

Save Changes

Screen 35

Logged in as rich
Zope Quick Start ▼
Go

rich

- acl_users
- survey
- © Zope Corporation
Refresh

The_Question | View | Choices | Custom_Values | Options | Branching | Security

MultipleChoiceQuestion at
</users/rich/survey/nafa/QPage2/Q3/propertysheets/Answers>

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
choices	Bachelor's Master's	lines

ABD
PhD

select_default boolean

default_selection selection

Save Changes

Screen 36

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
 - Zope Corporation
 - Refresh

The Question View Choices Custom Values Options Branching Security

MultipleChoiceQuestion at /users/rich/survey/nafa/QPage2/Q3/propertysheets/options

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
choices_orientation	vertical	selection
columns_if_vertical	one	selection
save_option	save 123	selection
may_choose_more_than_one	save abc	boolean
use_other	save 123	boolean
other_text	save actual value	string
other_width	20	int
show_abc	<input type="checkbox"/>	boolean
drop_down_list	<input type="checkbox"/>	boolean

Save Changes

Screen 37

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
 - Zope Corporation
 - Refresh

What is the highest academic credential achieved by your institution's fellowship advisor?

Bachelor's
 Master's
 ABD
 PhD

Submit Query

Screen 38

The screenshot shows the Zope web interface. At the top, it says "Logged in as rich" and "Zope Quick Start" with a "Go" button. On the left is a navigation tree with "rich", "acl_users", and "survey" folders. The main content area shows "QPage at /users/rich/survey/nafa/QPage2". A context menu is open over a question titled "Q3 (What is the highest academic credential achieved by your ...)". The menu options are: "Select type to add...", "DTML Document", "DTML Method", "File", "Folder", "Image", "MultipleChoiceQuestion" (highlighted), and "TextQuestion". Below the question are buttons for "Rename", "Cut", "Copy", "Delete", and "Import".

Screen 39

The screenshot shows the Zope web interface with the title "Add MultipleChoiceQuestion". It features a form with an "Id" field containing the text "Q4" and an "Add" button below it. The navigation tree on the left is the same as in Screen 38.

Screen 40

rich

- acl_users
- survey
 - Zope Corporation
 - Refresh

The_Question View Choices Custom_Values Options Branching Security

MultipleChoiceQuestion at </users/rich/survey/nafa/QPage2/Q4/propertysheets/Question>

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
question	<input type="text" value="What additional duties, other than fellows"/>	string
special_instructions	<input type="text"/>	string
doc_sequence	<input type="text" value="20"/>	float
is_demographic	<input type="checkbox"/>	boolean

Screen 41

Zope
Logged in as rich
Zope Quick Start
Go

rich

- acl_users
- survey
 - Zope Corporation
 - Refresh

The_Question View Choices Custom_Values Options Branching Security

MultipleChoiceQuestion at </users/rich/survey/nafa/QPage2/Q4/propertysheets/Answers>

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
choices	<input type="text" value="teaching
honors program
career advising
undergraduate or graduate advising
research
none"/>	lines
select_default	<input type="checkbox"/>	boolean
default_selection	<input type="text"/>	selection

Screen 42

Zope
Logged in as rich
Zope Quick Start
Go

rich

- acl_users
- survey
 - Zope Corporation
 - Refresh

The_Question View Choices Custom_Values Options Branching Security

MultipleChoiceQuestion at </users/rich/survey/nafa/QPage2/Q4/propertysheets/options>

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

21 of 31

4/20/2006 2:49 PM

Name	Value	Type
choices_orientation	vertical	selection
columns_if_vertical	one	selection
save_option	save 123	selection
may_choose_more_than_one	<input checked="" type="checkbox"/>	boolean
use_other	<input checked="" type="checkbox"/>	boolean
other_text	Other: (please specify)	string
other_width	20	int
show_abc	<input type="checkbox"/>	boolean
drop_down_list	<input type="checkbox"/>	boolean

Screen 43

Logged in as rich Zope Quick Start

- rich
- acl_users
- survey
- Zope Corporation**
- Refresh

What additional duties, other than fellowship advising, does your institution's fellowship advisor have?

teaching

honors program

career advising

undergraduate or graduate advising

research

none

Other: (please specify)

Screen 44

Logged in as rich Zope Quick Start

- rich
- acl_users
- survey
- Zope Corporation**
- Refresh

Contents
Preferences
Author_Info
Formatting
Navigation
View
All
Security

QSurvey at /users/rich/survey/nafa

Type	Name	Size	Last Modified
<input type="checkbox"/>	QPage1		2003-04-09 11:09
<input type="checkbox"/>	QPage2		2003-04-09 11:26

Screen 45

The screenshot shows the Zope web interface. At the top, it says "Logged in as rich" and "Zope Quick Start" with a "Go" button. The left sidebar shows a tree view with "rich" selected, containing "acl_users" and "survey". Under "survey", there is a "Zope Corporation" logo and a "Refresh" button. The main content area has tabs for "Contents", "Preferences", "Author_Info", "Formatting", "Navigation", "View", "All", and "Security". The "Navigation" tab is active, showing "QSurvey at /users/rich/survey/nafa/propertysheets/Navigation". Below this, there is a text block: "Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click 'Save Changes'". A table with columns "Name", "Value", and "Type" contains one row: "firstPage" with a dropdown menu showing "QPage1" and "selection" as the type. A "Save Changes" button is located below the table.

Screen 46

The screenshot shows the Zope web interface for editing a QPage. At the top, it says "Logged in as rich" and "Zope Quick Start" with a "Go" button. The left sidebar is identical to Screen 45. The main content area has tabs for "Contents", "View", "Transition", "Sub-item_Sequence", "Button_Text", and "freq". The "View" tab is active, showing "QPage at /users/rich/survey/nafa/QPage2". Below this, there is a "Select type to add..." dropdown menu and an "Add" button. A table with columns "Type", "Name", "Size", and "Last Modified" contains two rows:

Type	Name	Size	Last Modified
<input type="checkbox"/>	Q3 (What is the highest academic credential achieved by your ...)		2003-04-09 11:23
<input type="checkbox"/>	Q4 (What additional duties, other than fellowship advising, ...)		2003-04-09 11:30

 Below the table are buttons for "Rename", "Cut", "Copy", "Delete", "Import/Export", and "Select All".

Screen 47

The screenshot shows the ZOPE web interface. The top navigation bar includes the ZOPE logo, the user name 'rich', and a 'Zope Quick Start' dropdown menu with a 'Go' button. On the left, a tree view shows the directory structure: 'rich' (selected), 'acl_users', and 'survey'. The main content area has tabs for 'Contents', 'View', 'Transition', 'Sub-item_Sequence', and 'Button_Text'. The current view is for 'QPage at /users/rich/survey/nafa/QPage2/propertysheets/text_for_button'. Below the title, there is explanatory text: 'Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".' A table with three columns: 'Name', 'Value', and 'Type' is displayed. The table contains one row: 'submittext' with the value 'Finish Survey' and type 'string'. Below the table is a 'Save Changes' button.

Name	Value	Type
submittext	Finish Survey	string

Screen 48

The screenshot shows the ZOPE web interface. The top navigation bar includes the ZOPE logo, the user name 'rich', and a 'Zope Quick Start' dropdown menu with a 'Go' button. On the left, a tree view shows the directory structure: 'rich' (selected), 'acl_users', and 'survey'. The main content area has tabs for 'Contents', 'Preferences', 'Author_Info', 'Formatting', 'Navigation', 'View', 'All', and 'Security'. The current view is for 'QSurvey at /users/rich/survey/nafa'. Below the title, there is a dropdown menu labeled 'Select type to add...' and an 'Add' button. Below this is a table with three columns: 'Type Name', 'Size', and 'Last Modified'. The table contains two rows: 'QPage1' with size and last modified date, and 'QPage2' with size and last modified date. Below the table are several buttons: 'Rename', 'Cut', 'Copy', 'Delete', 'Import/Export', and 'Select All'.

Type Name	Size	Last Modified
<input type="checkbox"/> QPage1		2003-04-09 11:09
<input type="checkbox"/> QPage2		2003-04-09 11:35

Screen 49

The screenshot shows the top portion of the ZOPE web interface, including the logo, user name 'rich', and the 'Zope Quick Start' dropdown menu with a 'Go' button.

rich Contents view transition sub-item_sequence button_text freq

rich
acl_users
survey
© Zope Corporation
Refresh

QPage at /users/rich/survey/nafa/QPage1

Select type to add... Add

Type Name	Size	Last Modified
<input type="checkbox"/> Q1 (What is the nature of your institution?)		2003-04-09 11:00
<input type="checkbox"/> Q2 (What is your undergraduate population?)		2003-04-09 11:05

Rename Cut Copy Delete Import/Export Select All

Screen 50

ZOPE Logged in as rich Zope Quick Start Go

rich Contents View Transition Sub-item Sequence Button Text freq

rich
acl_users
survey
© Zope Corporation
Refresh

QPage at /users/rich/survey/nafa/QPage1

Choose the QPage to display after this page is submitted.

Default: QPage2

You may also select one of the following MultipleChoiceQuestions for branching

- What is the nature of your institution?
- What is your undergraduate population?
- Only go to default page.

Save Changes

Screen 51

ZOPE Logged in as rich Zope Quick Start Go

rich Contents Preferences Author_Info Formatting Navigation View All Security

rich
acl_users
survey
© Zope Corporation
Refresh

QSurvey at /users/rich/survey/nafa

Select type to add... Add

Type Name	Size	Last Modified
-----------	------	---------------



Screen 52

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
- © Zope Corporation
- Refresh

What is the nature of your institution?

Public
 Private, non-church affiliated
 Private, church-affiliated

What is your undergraduate population?

under 1000
 1000-2499
 2500-4900
 5000-9999
 10,000 or above

Continue to next page

Screen 53

ZOPE Logged in as rich Zope Quick Start Go

rich

- acl_users
- survey
- © Zope Corporation
- Refresh

What is the highest academic credential achieved by your institution's fellowship advisor?

Bachelor's
 Master's
 ABD
 PhD

What additional duties, other than fellowship advising, does your institution's fellowship advisor have?

teaching
 honors program

career advising
 undergraduate or graduate advising
 research
 none
 Other: (please specify)

Finish Survey

Screen 54

ZOPE Logged in as rich Zope Quick Start Go

rich
 acL_users
 survey
 © Zope Corporation
 Refresh

Thank-you for participating in this survey.

Screen 55

ZOPE Logged in as rich Zope Quick Start Go

rich
 acL_users
 survey
 © Zope Corporation
 Refresh

Contents Preferences Author_Info Formatting Navigation View All Security

QSurvey at /users/rich/survey/nafa

Select type to add... Add

Type	Name	Size	Last Modified
<input type="checkbox"/>	QPage1		2003-04-09 11:39
<input type="checkbox"/>	QPage2		2003-04-09 11:42
<input type="checkbox"/>	RESULTS		2003-04-09 11:48
<input type="checkbox"/>	qs_css (Style Sheet)	1 Kb	2003-04-09 11:46

Rename Cut Copy Delete Import/Export Select All

Screen 56

The screenshot shows the ZOPE web interface. At the top, it says "Logged in as rich" and "Zope Quick Start". The main content area displays a DTML Method at the path `/users/rich/survey/nafa/qs_css`. Below the path, there is a message: "You may edit the source for this document using the form below. You may also upload the source for this document from a local file. Click the *browse* button to select a local file to upload." A form with a "Title" field containing "Style Sheet" is visible. The main area contains CSS code for SPAN elements:

```

SPAN.instructions {
  font-style : italic;
  font-weight : bolder;
  color : black;
  background : lightgrey;
  padding-right : 0.5em;
  padding-left : 0.5em;
  border-width : 0;
  border-style : none;
  border-color : inherit;
}

SPAN.choice {
  font-weight : bold;
  font-family : Helvetica, Arial, sans-serif;
  color : black;
}

P {background-color:lightgrey;

```

At the bottom of the editor, there are buttons for "Save Changes", "Taller", "Shorter", "Wider", and "Narrower".

Screen 57

The screenshot shows the ZOPE web interface. At the top, it says "Logged in as richherr" and "Zope Quick Start". The main content area displays a folder named "QSurveyResultsFolder" at the path `/users/rich/survey/nafa/RESULTS`. Below the path, there is a "Select type to add..." dropdown menu and an "Add" button. A table lists the contents of the folder:

Type	Name	Size	Last Modified
<input type="checkbox"/>	richherr2003_04_09_13_09_53_118		2003-04-09 13:10

Below the table, there are buttons for "Rename", "Cut", "Copy", "Delete", "Import/Export", and "Select All".

Screen 58

ZOPE interface showing a file listing for **QSurveyResultsFolder** at `/users/rich/survey/nafa/RESULTS`. The interface includes a navigation menu on the left with folders like `acl_users` and `survey`. The main area shows a table of files:

Type	Name	Size	Last Modified
<input type="checkbox"/>	rich2003_04_09_11_47_23_4635		2003-04-09 11:48

Buttons for file management (Rename, Cut, Copy, Delete, Import/Export, Select All) are visible below the table.

Screen 59

ZOPE interface showing the **Properties** view for **QSurveyResultsItem** at `/users/rich/survey/nafa/RESULTS/richherr2003_04_09_13_09_53_118`. The interface includes a navigation menu on the left. The main area displays a table of properties:

Name	Value	Type
<input type="checkbox"/> title	<input type="text"/>	string
<input type="checkbox"/> ip	129.120.56.131	string
<input type="checkbox"/> Q4	3 5 7	lines
<input type="checkbox"/> Q3	2	string
<input type="checkbox"/> Q4_other	pineing for fjords	string
<input type="checkbox"/> Q2	2	string
<input type="checkbox"/> Q1	1	string

Buttons for `Save Changes` and `Delete` are located at the bottom of the table.

Screen 60

ZOPE interface showing a file listing for **QSurveyResultsFolder** at `/users/rich/survey/nafa/RESULTS`. The interface includes a navigation menu on the left. The main area shows a table of files:

Type	Name	Size	Last Modified
<input type="checkbox"/>	richherr2003_04_09_13_09_53_118		2003-04-09 13:10

Buttons for file management (Rename, Cut, Copy, Delete, Import/Export, Select All) are visible below the table.

Screen 61

ZOPE Logged in as richherr Zope Quick Start

id	ip	Q3	Q4_other	Q2	Q1
richherr2003_04_09_13_09_53_118	129.120.56.131	2	pineing for fjords	2	1

Root Folder
 Control_Panel
 Examples
 RSessionDA_Exempl
 acl_users
 temp_folder
 users
 vhm_test
 © Zope Corporation
 Refresh

Screen 62

ZOPE Logged in as richherr Zope Quick Start

id	characteristic	value
richherr2003_04_09_13_09_53_118	Q4	3
richherr2003_04_09_13_09_53_118	Q4	5
richherr2003_04_09_13_09_53_118	Q4	7

Root Folder
 Control_Panel
 Examples
 RSessionDA_Exempl
 acl_users
 temp_folder
 users
 vhm_test
 © Zope Corporation
 Refresh

