

Human Imaging Database Web User Interface User Guide

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Chapter 1

Experiment, Subject/Visit Maintenance

Here the current features of Human Imaging Database (HID) web interface for experiment and subject/visit/segment maintenance is demonstrated.

You need to login to the system first via a valid username and password as shown in Figure 1.1. Based on the privileges assigned to your user account, you can only query the assessments, can update experiments and/or subjects/visits and segments. A user with data maintenance privileges will see the screen in Figure 1.2.

1.1 Experiment Maintenance

To update and/or view an experiment, you need to find it first. By clicking the magnifying glass icon on the menu, you will come to the screen shown in Figure 1.3, where you can double click the experiment you want to view and/or update. After that, you will see the experiment detail screen (Figure 1.4). In this screen, you can update the experiment data, enroll new subjects to study groups or change study groups of enrolled subjects.

To change the study group of an subject, select the desired study group from the *Study Groups* drop-down box and select a subject from *Enrolled Subjects* drop-down box. Then press *Change Group* button (see Figure 1.5). You will see a different study group name for the selected subject and the number of enrolled subjects in the desired study group will be incremented (see Figure 1.6).

To enroll a new subject, press *Enroll* button to go to Subject Enrollment Screen as shown in Figure 1.7. In this screen, select the desired study group from the *Study Groups* drop-down box and select a subject from *Available Subjects* list and press *Enroll* button.

To add a new experiment, click the plus icon from the menu to see the New Experiment screen as shown in Figure 1.8. After filling in the experiment name, selecting the contact and optionally providing a description, press the *Add* button, to add a new experiment to the HID database.

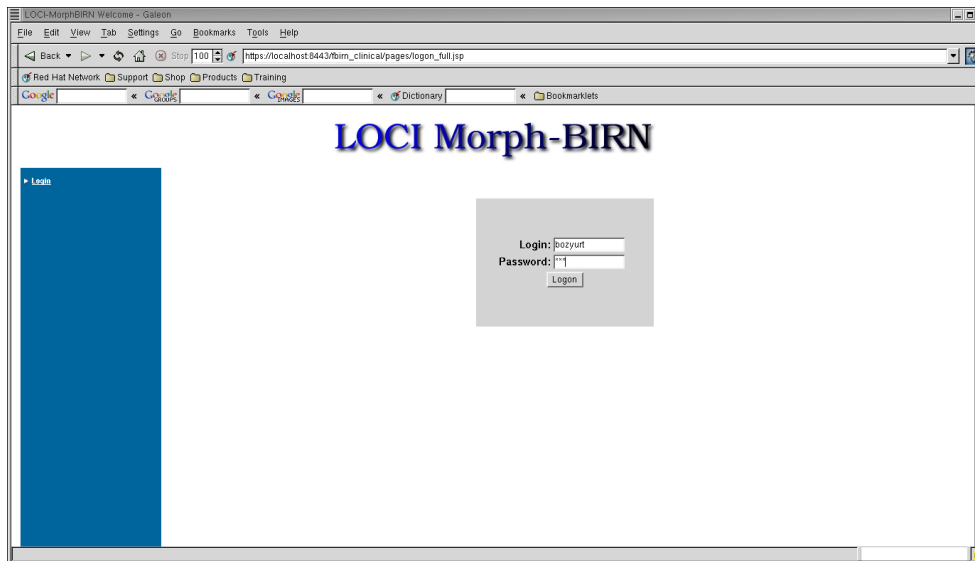


Figure 1.1: User Login screen

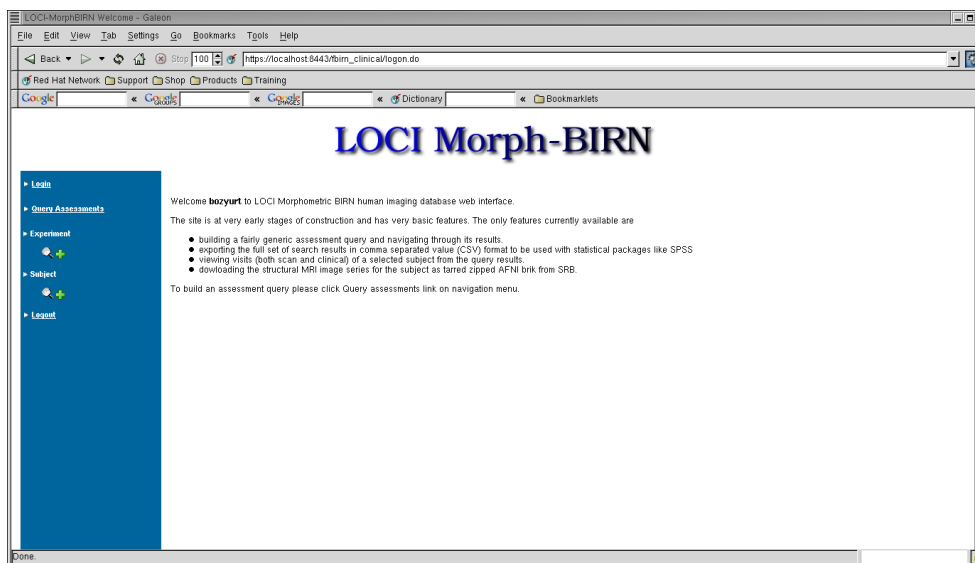


Figure 1.2: After Successful Login

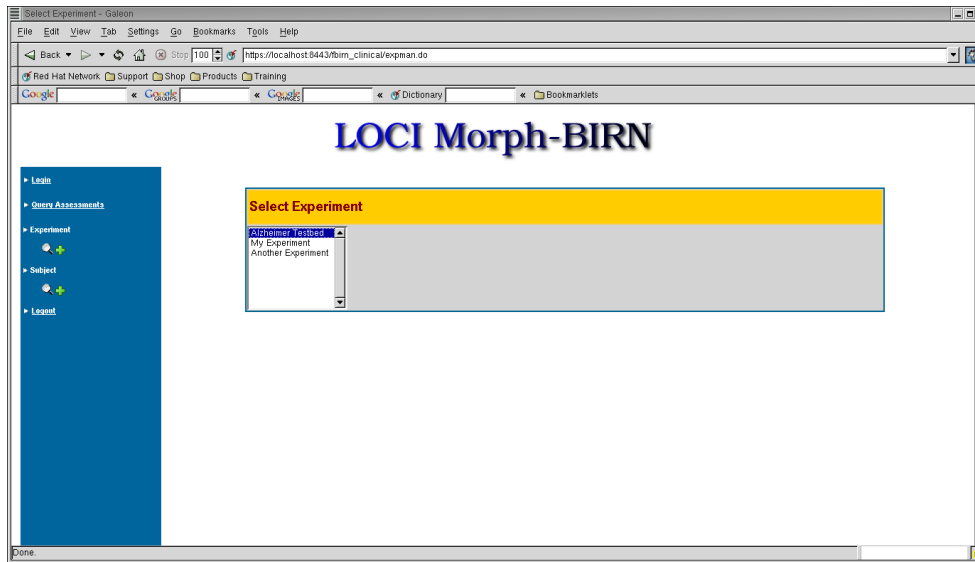


Figure 1.3: Selecting an experiment

1.2 Subject, Visit, Segment Maintenance

To find or select a subject to view and/or update, click the magnifying glass icon on the menu. You will see the screen shown in Figure 1.9. In this screen, you can either query for the subject or select the desired subject from the subject list by double clicking its BIRN ID. If you use query option, you will end up with a list of matching subjects as shown in Figure 1.10. If you click *Edit* button for a subject, you will arrive to Subject/Visit Detail screen as shown in Figure 1.11. On this screen, you can view the visits of the subject one by one by selecting a different visit date from the *Visit Date* drop-down box (see Figure 1.12).

You can update an existing visit, by pressing *Edit* button, which will bring you to the screen shown in Figure 1.13, where you can update the fields you want and press *Update*. To add a new visit, press *New Visit* button, fill the visit and segment information in the screen shown in Figure 1.14 and press *Add* button.

To maintain the segment of a visit, press the *Manage* button, to go to the Segment Detail screen (see Figure 1.15). In this screen you can view the segments and clinical assessments conducted at the selected segment as shown in Figure 1.15 and Figure 1.16. You can edit a segment, by pressing *Edit* button to arrive to the screen in Figure 1.17, making the changes and pressing *Edit* button. To add a new segment, press the *New Segment* button to go to the screen shown in Figure 1.18, setting the time, adding some description and pressing the *Add Segment* button.

To add a new subject click the plus icon from the menu to arrive to the screen shown in Figure 1.19.

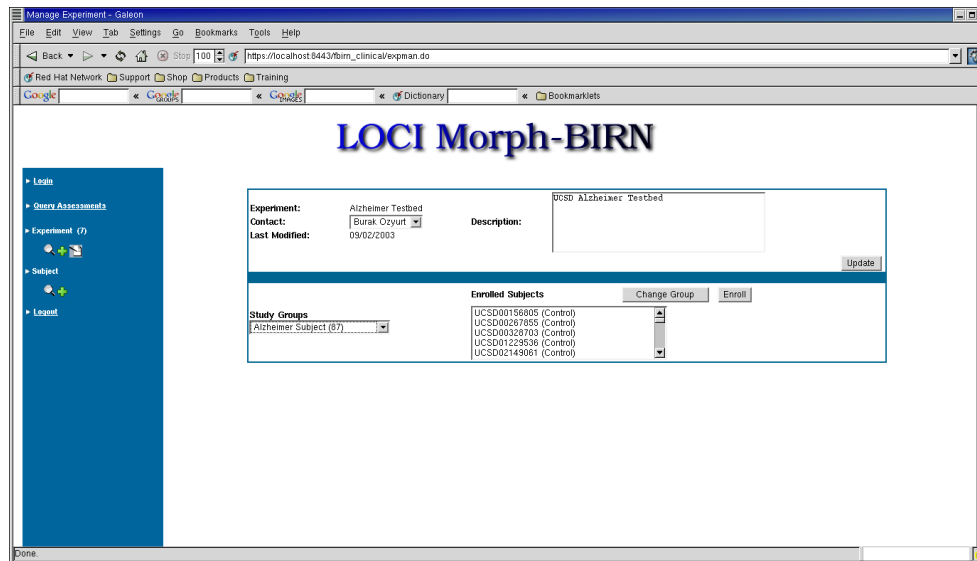


Figure 1.4: Experiment Detail Screen

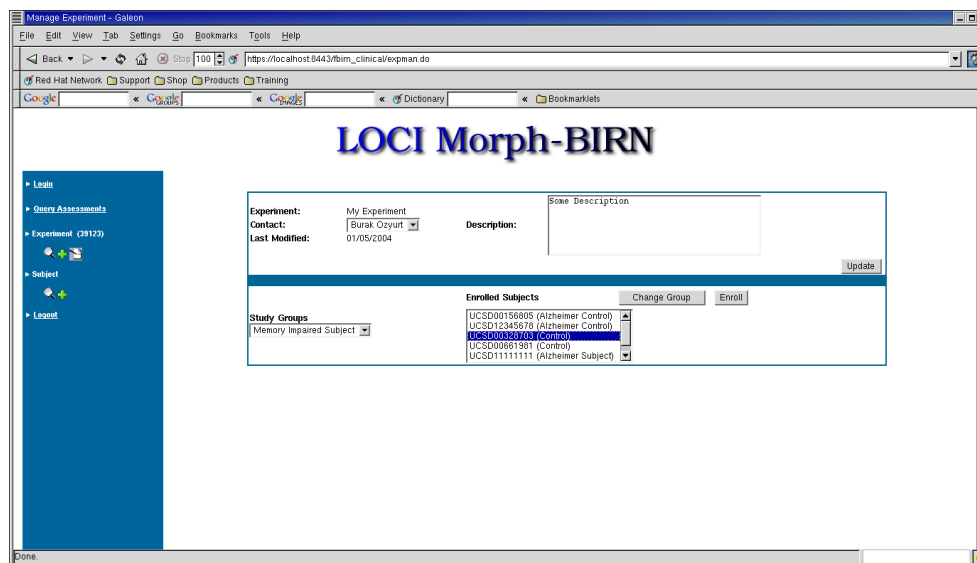


Figure 1.5: Changing study group of an enrolled subject

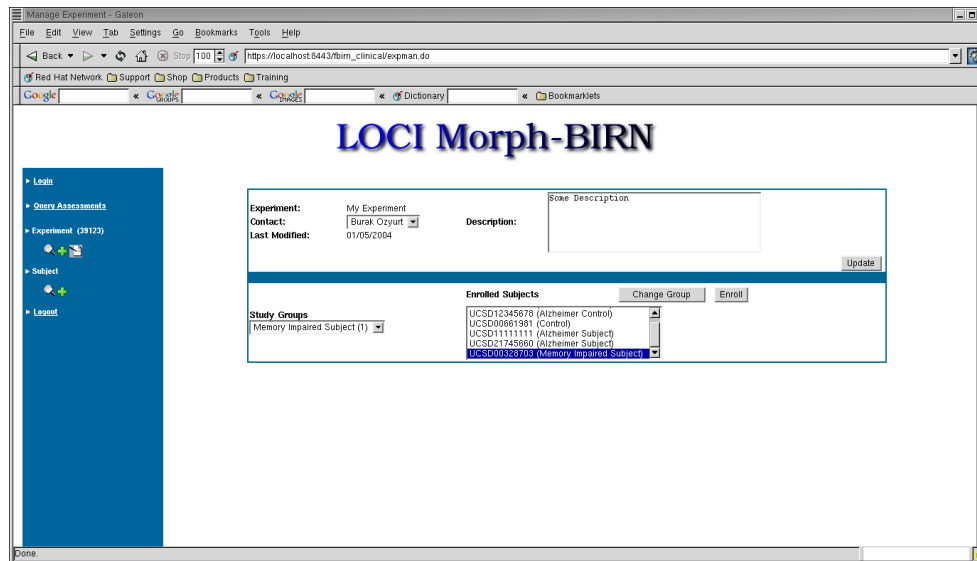


Figure 1.6: Experiment Detail screen after study group change

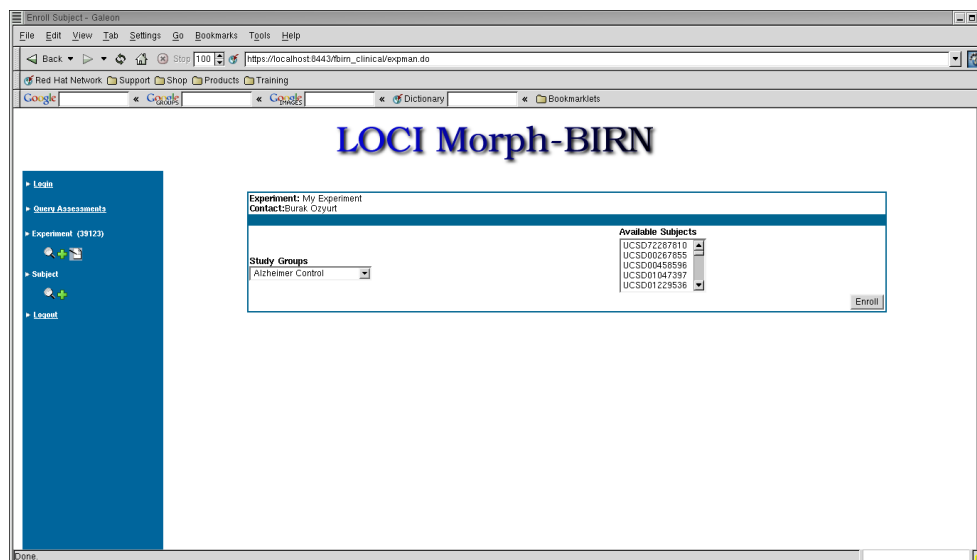


Figure 1.7: Enrolling a new subject to the experiment

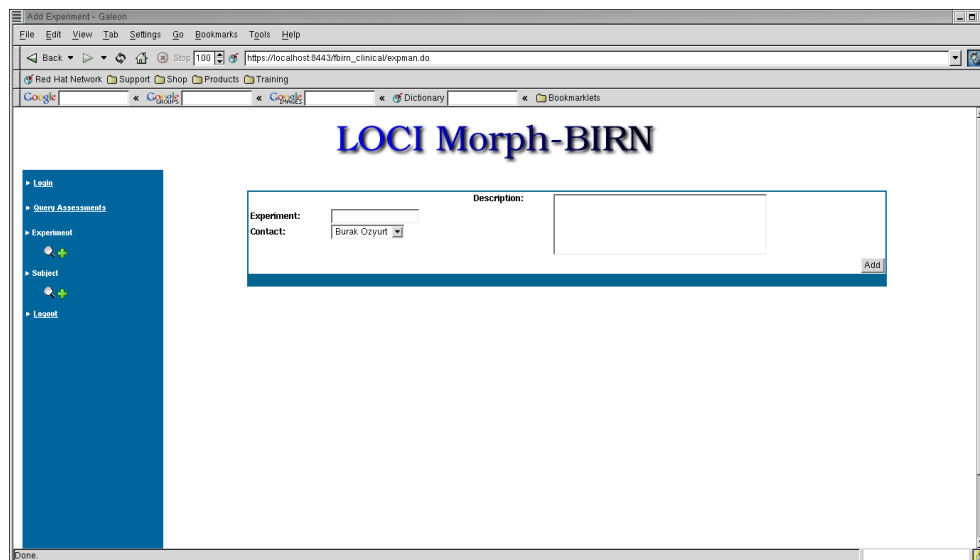


Figure 1.8: Adding a new Experiment

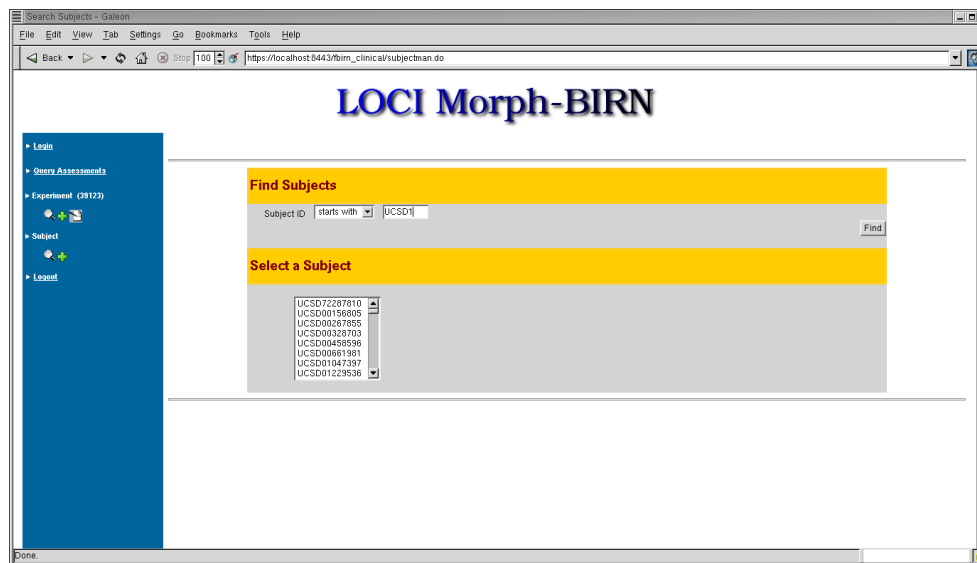


Figure 1.9: Finding or selecting a subject

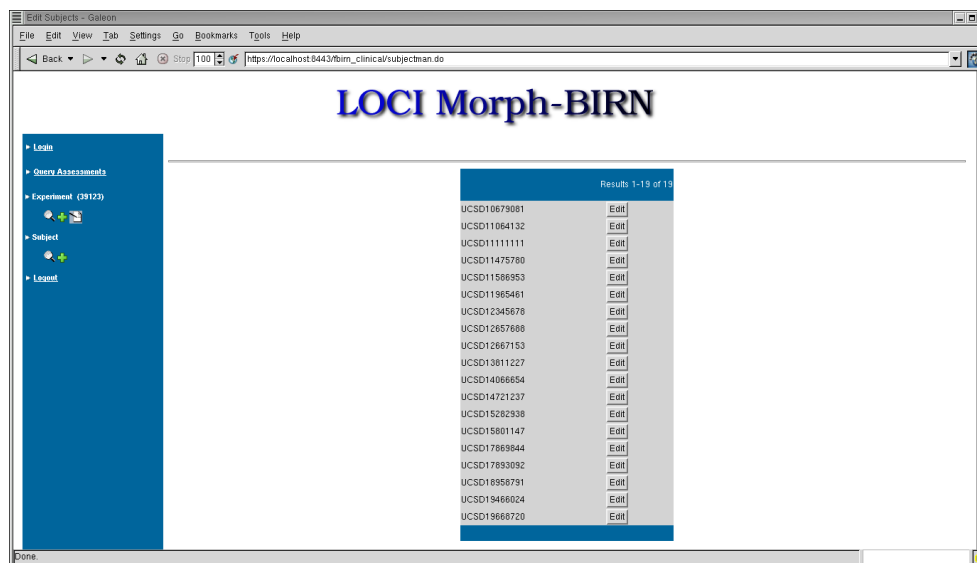


Figure 1.10: List of found subjects

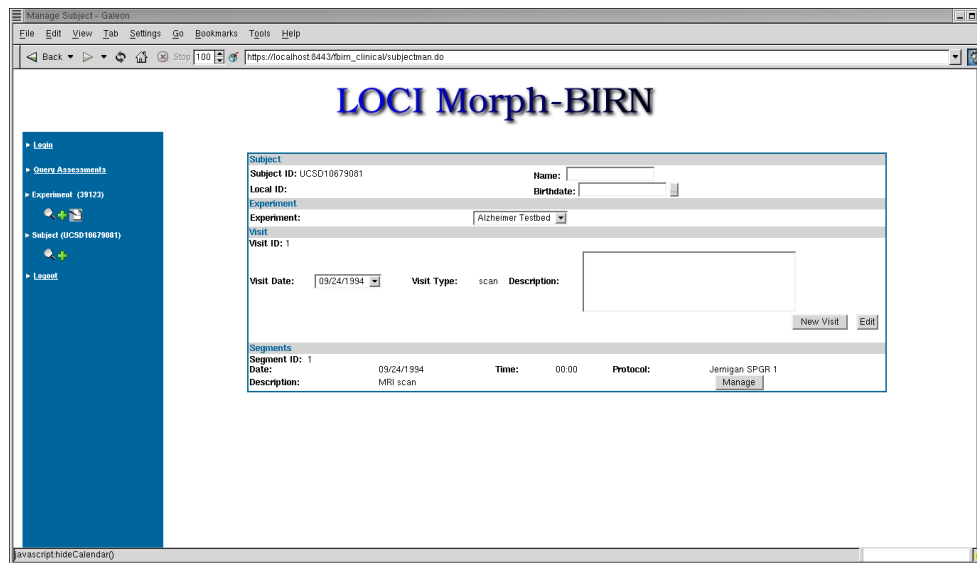


Figure 1.11: Subject/Visit Detail screen

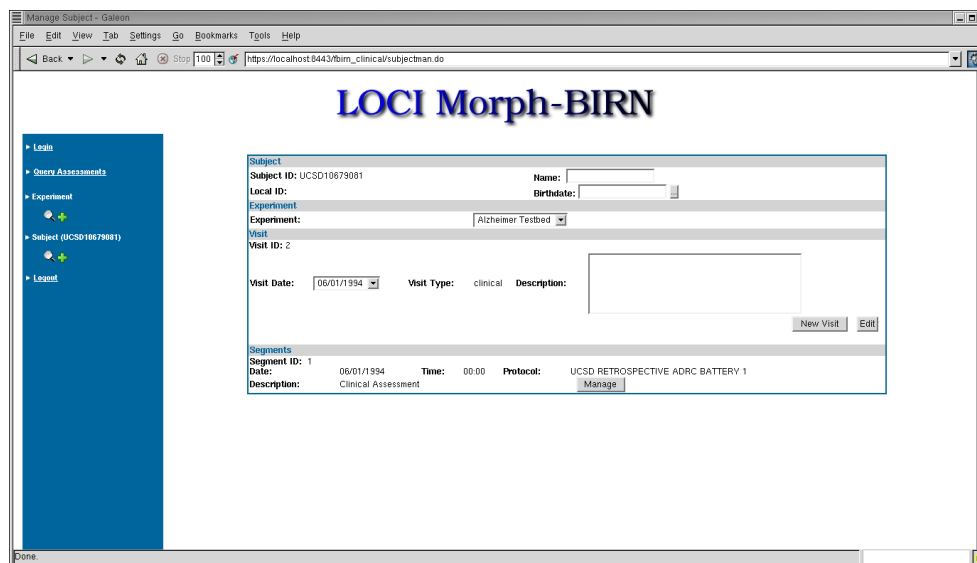


Figure 1.12: Viewing another visit using visit date dropdown component

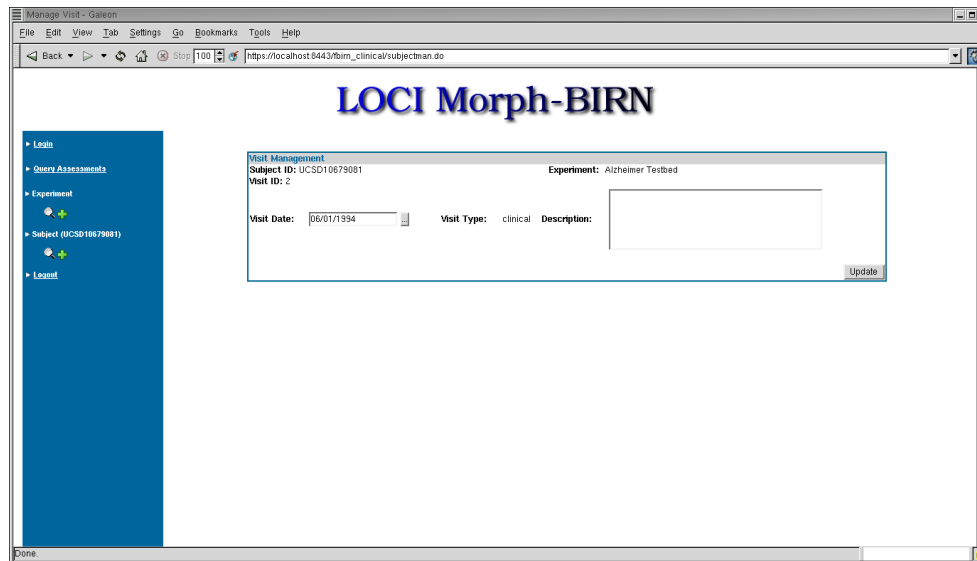


Figure 1.13: Updating a visit

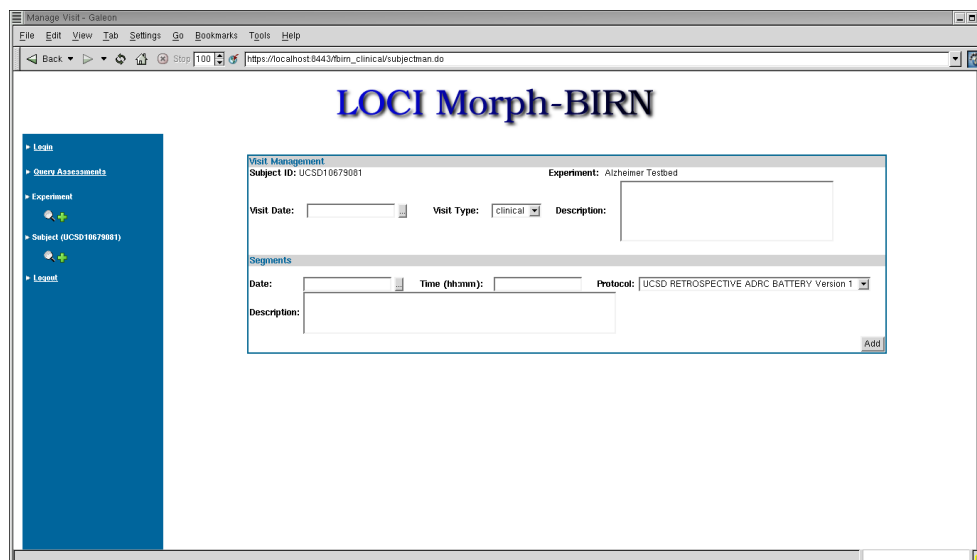


Figure 1.14: Adding a new visit

LOCI Morph-BIRN

Subject ID: UCSD10679081 Experiment: Alzheimer Testbed Visit: 09/24/1994

Segments

Segment ID: 1 Date: 09/24/1994 Time: 00:00 Protocol: Jernigan SPGR 1 Description: MRI scan

Assessments

Age	Gender	Years of Education	Handedness
64	M	16	Right Handed

Figure 1.15: Segment Detail Screen

LOCI Morph-BIRN

Subject ID: UCSD10679081 Experiment: Alzheimer Testbed Visit: 06/01/1994

Segments

Segment ID: 1 Date: 06/01/1994 Time: 00:00 Protocol: UCSD RETROSPECTIVE ADCR BATTERY 1 Description: Clinical Assessment

Assessments

MMSE Score	Attention subscale	Conceptualization subscale	Initiation subscale	Construction subscale	Total DRS score	Written math	Memory subscale
9	33	23	9	5	88	2	12

VFT

"A" correct responses	"Animals" correct responses	"Fruits" correct responses	"S" correct responses	"F" correct responses	"Vegetables" correct responses
0	3	5	0	1	0

BNT

Total number correct: 19

ANART

Estimated premorbid IQ: 95

CDT

Total to Command	Total to Copy
1	3

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Figure 1.16: Viewing a different visit/segment and assessments conducted

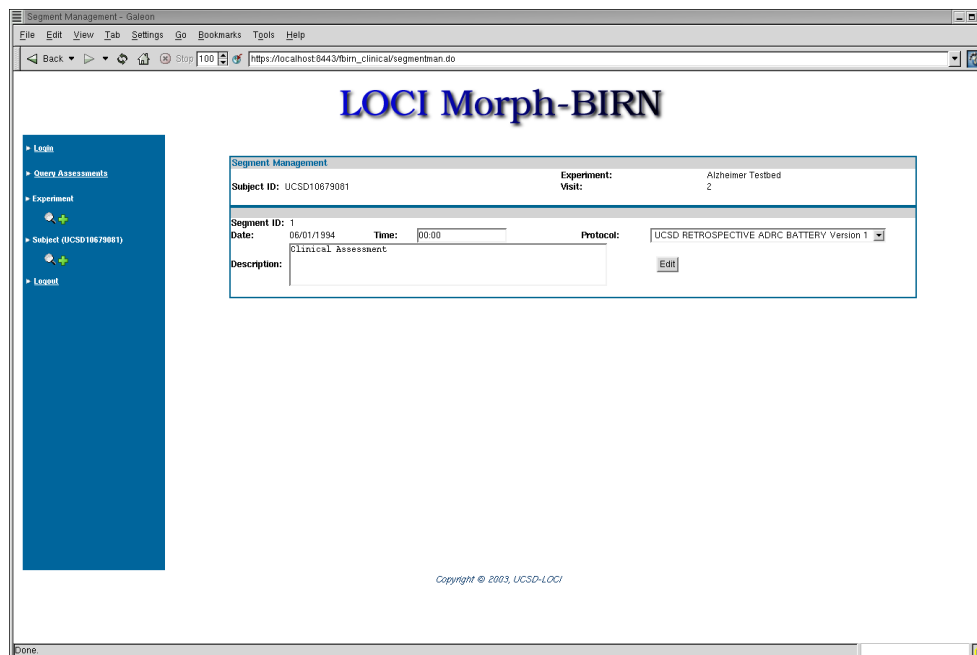


Figure 1.17: Editing a segment

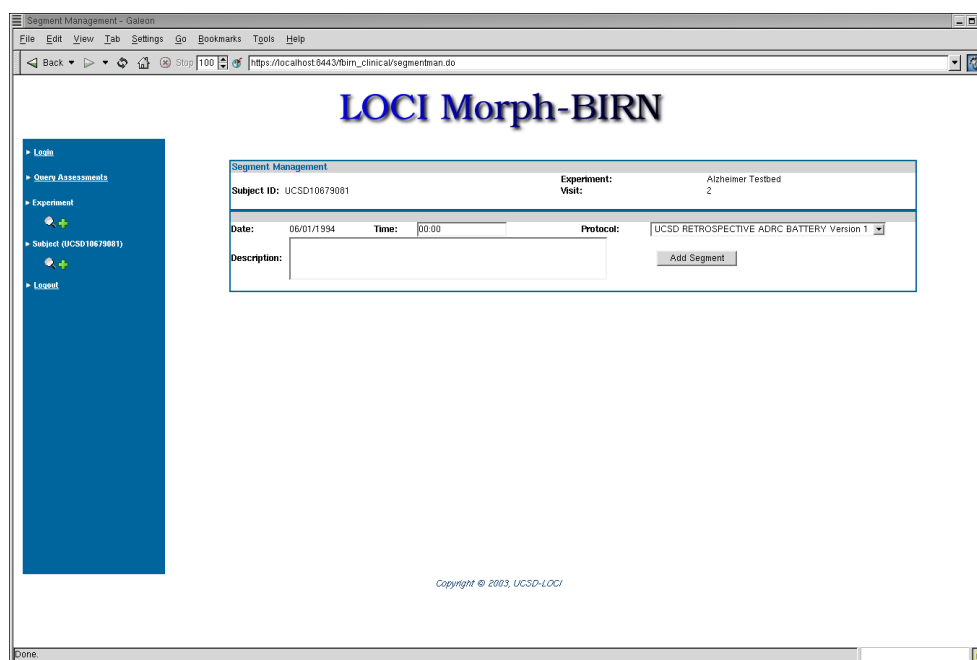


Figure 1.18: Adding a new segment to a visit

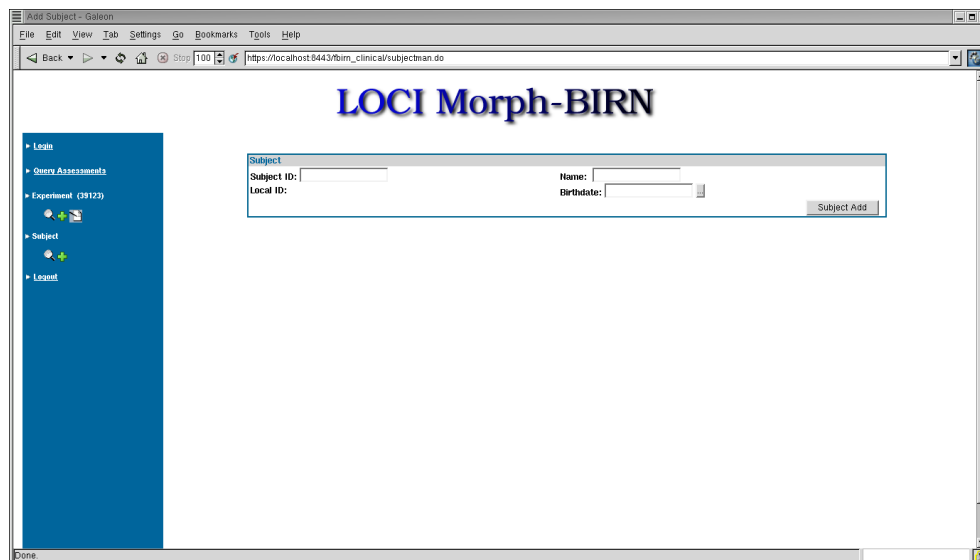


Figure 1.19: Adding a new subject