Clinical Specimen Repository Web Application

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Clinical Specimen Repository Web App

Overview

- Built on the Django 2.0 Web Frame work (python 3 is the language behind)
- Uses a Microsoft SQL Database to house data
- Running on Apache attached to Linux-CentOS 7 operating system

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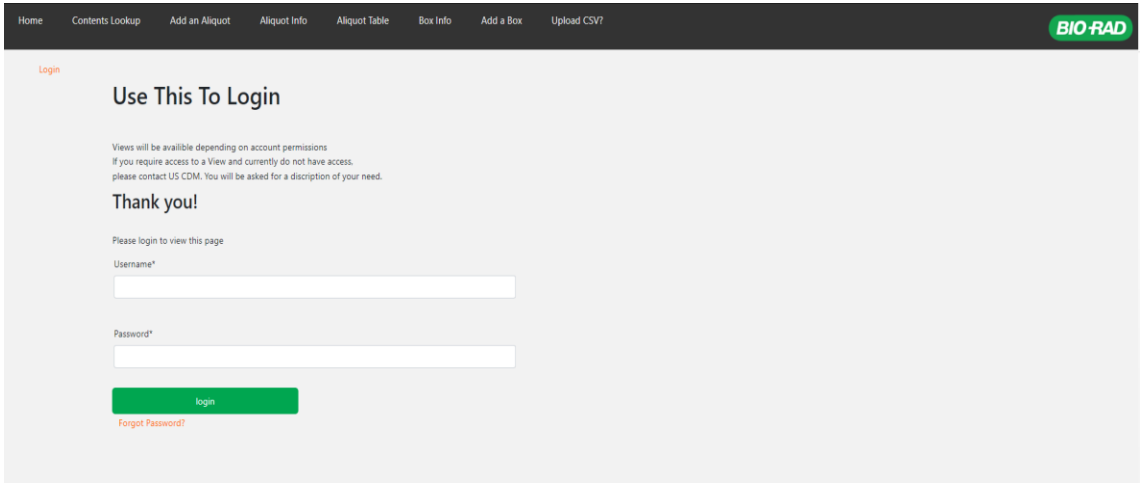
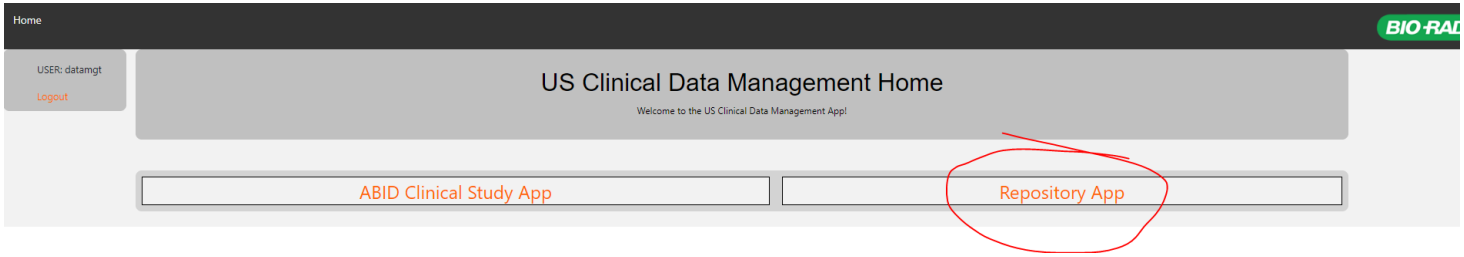
- Enter uscdm.global.bio-rad.com into bowser.
- Land on Login page



- Enter user name and password



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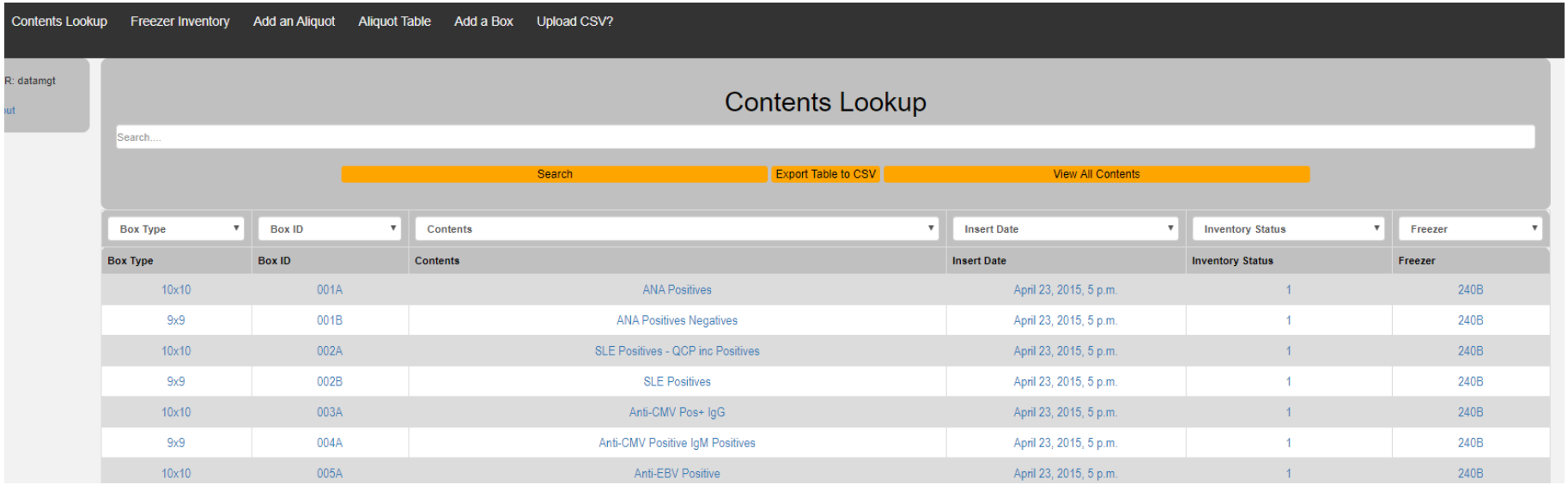
- Contents Look Up page
- Use search if you know what contents you are looking for
- Use View All to scroll all contents.



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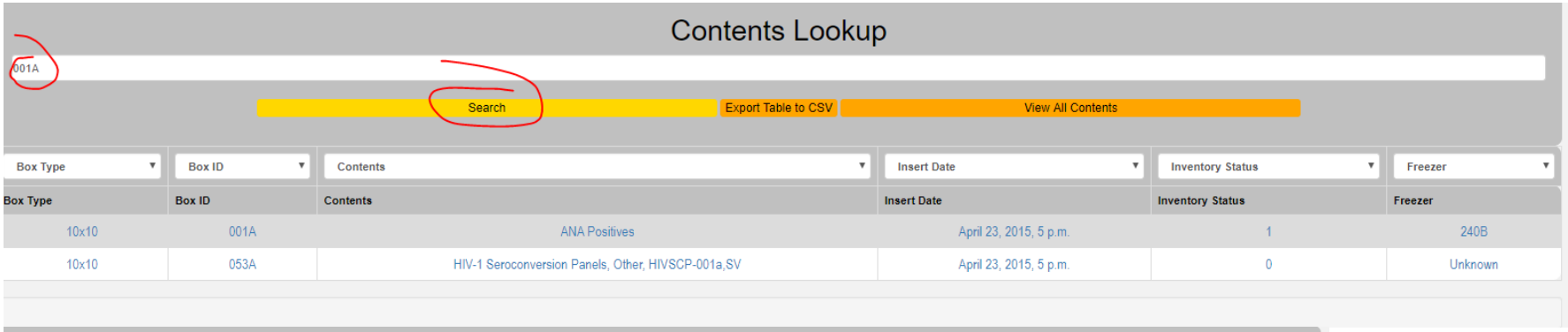
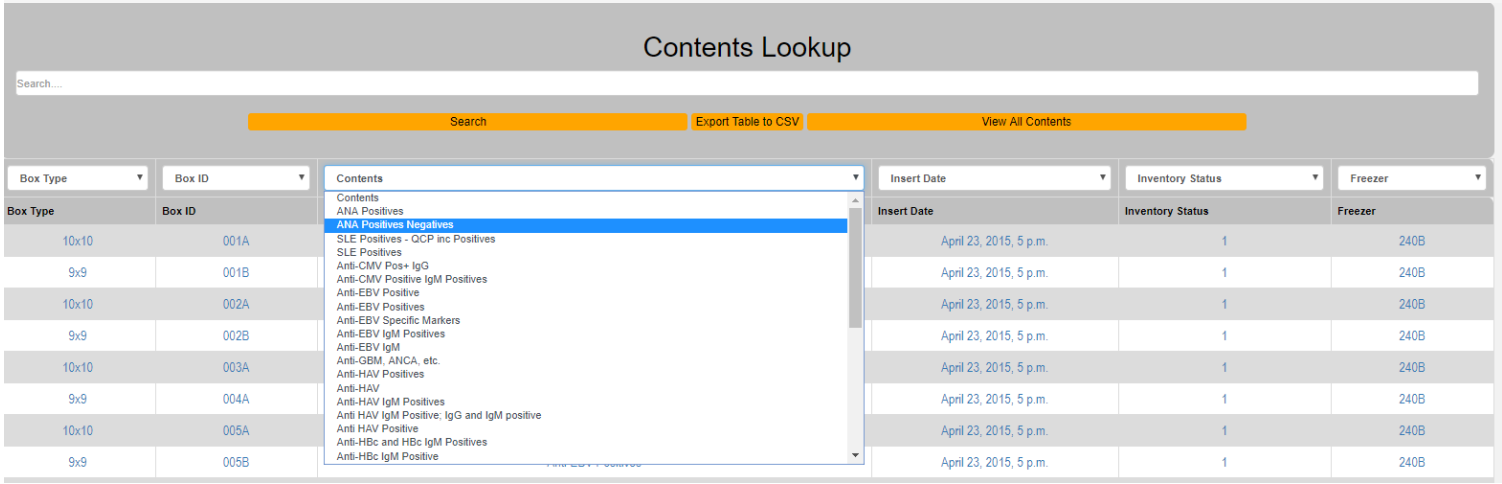
- To search for specific contents either use the search bar or the dropdowns to filter your view.





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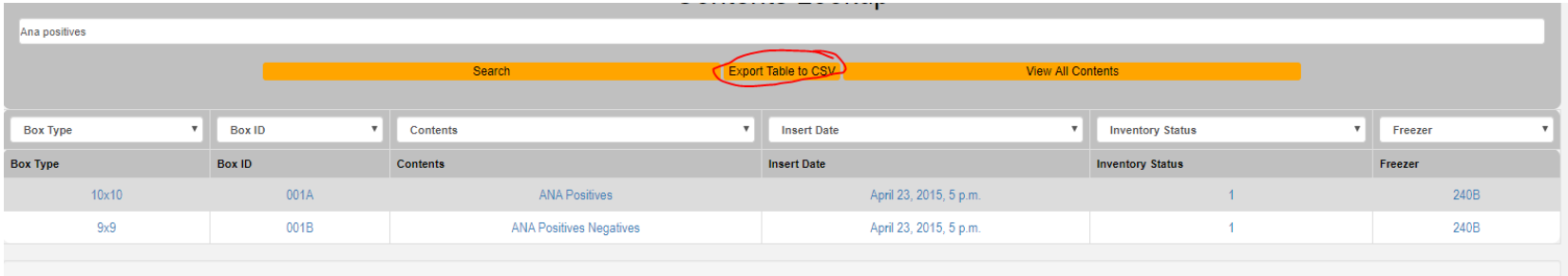
- To export an excel file with the view the user has filtered, click on the ‘Export Table to CSV’.



- Example of the exported content.

	A	B	C	D	E	F
1	Box Type	Box ID	Contents	Insert Date	Inventory Status	Freezer
2	10x10	001A	ANA Positives	April 23: 2015: 5 p.m.	1	240B
3	9x9	001B	ANA Positives Negatives	April 23: 2015: 5 p.m.	1	240B

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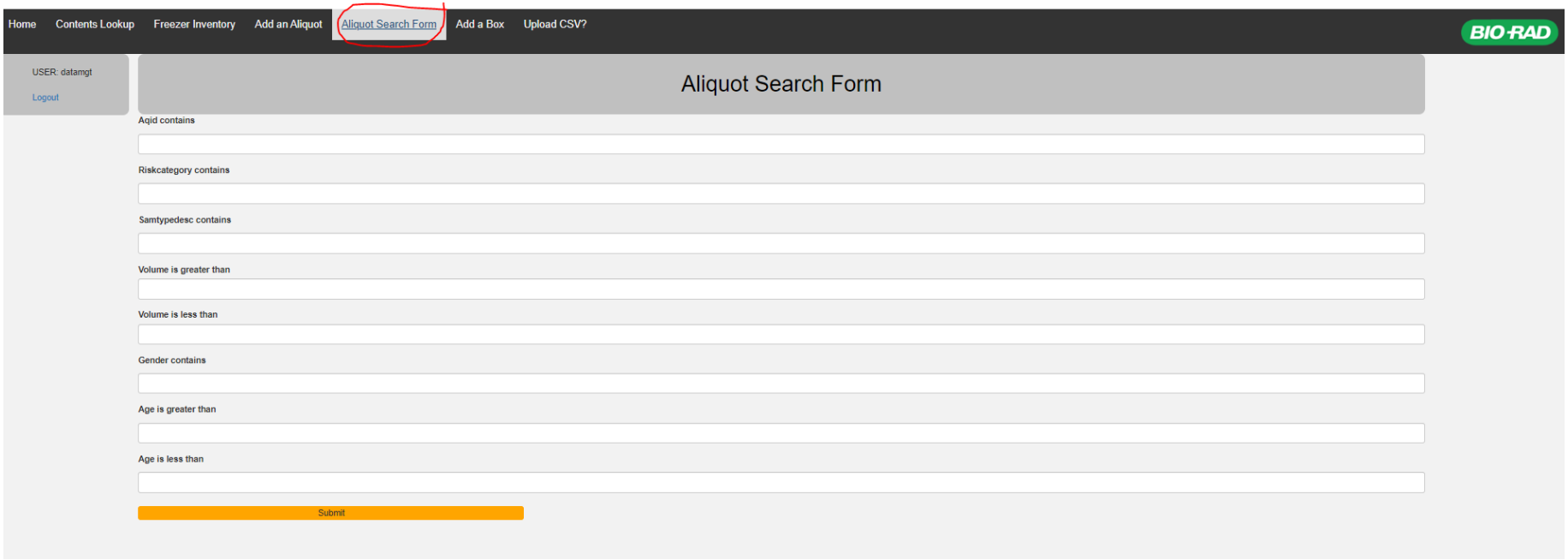
- Aliquot Search Form view is the easiest way for a user to find specific aliquots meeting multiple criteria.
- After filling out any of fields press the submit button. (If a table does not start to populate under the form then try new criteria in the search.)



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- AqID contains – Searches the Aliquot ID's
- Riskcategory contains – As of right now the only search criteria is - Disease
- Samtypedesc contains – good way of narrowing search for plasma or serum
- Volume is greater than – Self explanatory (in mL)
- Volume is less than – Self explanatory (in mL)
- Gender contains – Search M or F
- Age is greater than – Self explanatory (enter whole numbers)
- Age is less than – Self explanatory (enter whole numbers)

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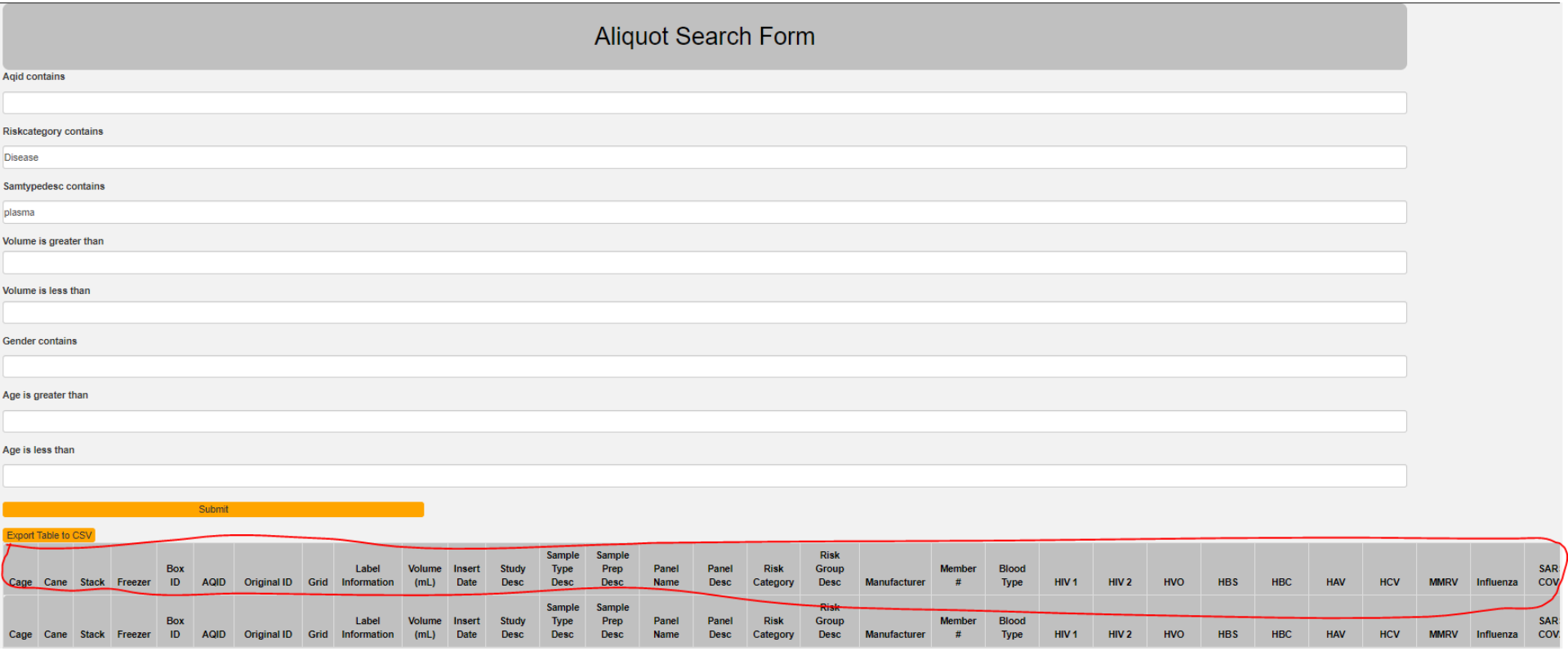
- After submitting the form please wait until the top header turns into dropdowns



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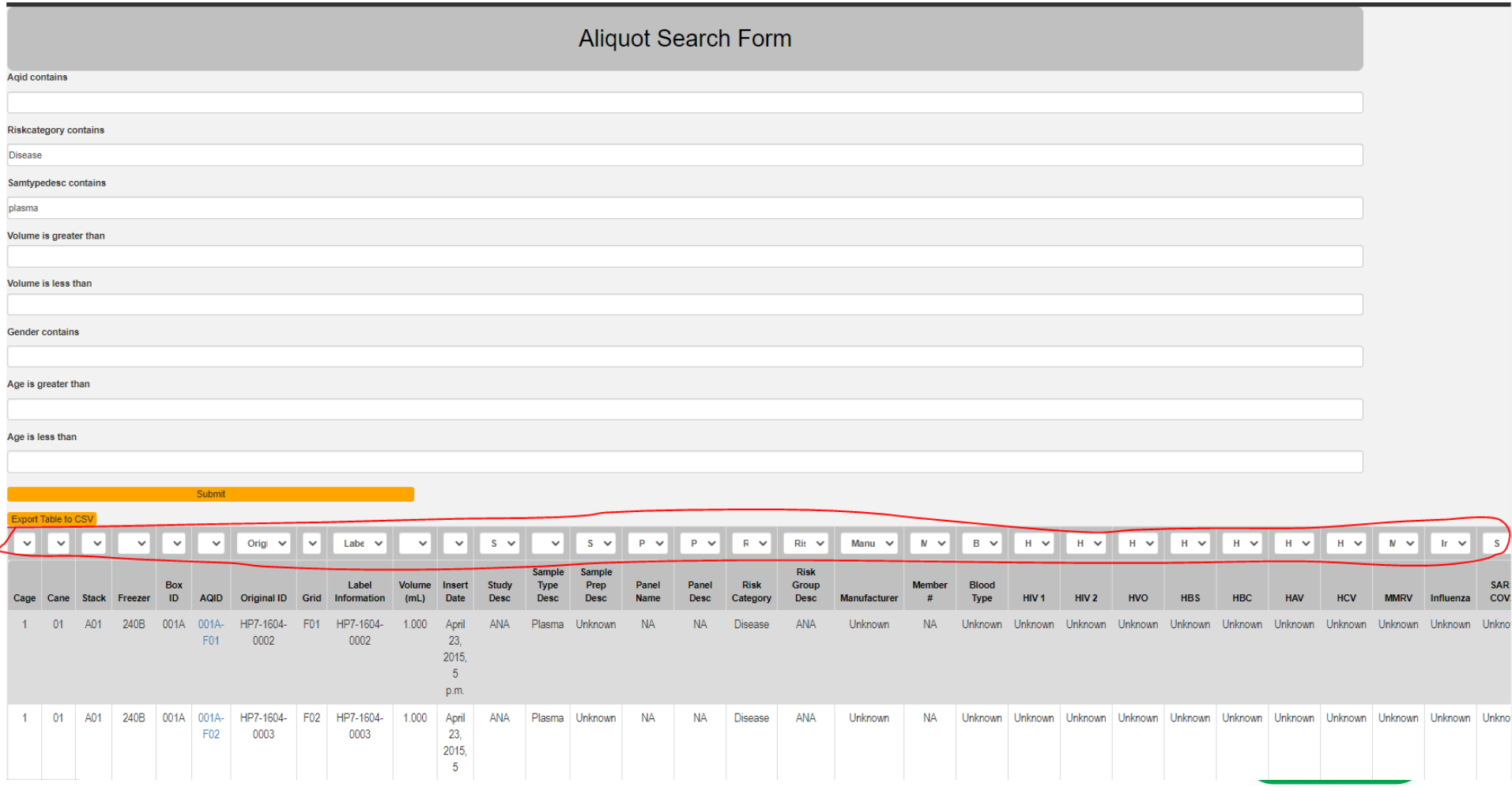
- Once the dropdowns appear the user can select any of them to narrow the search further.



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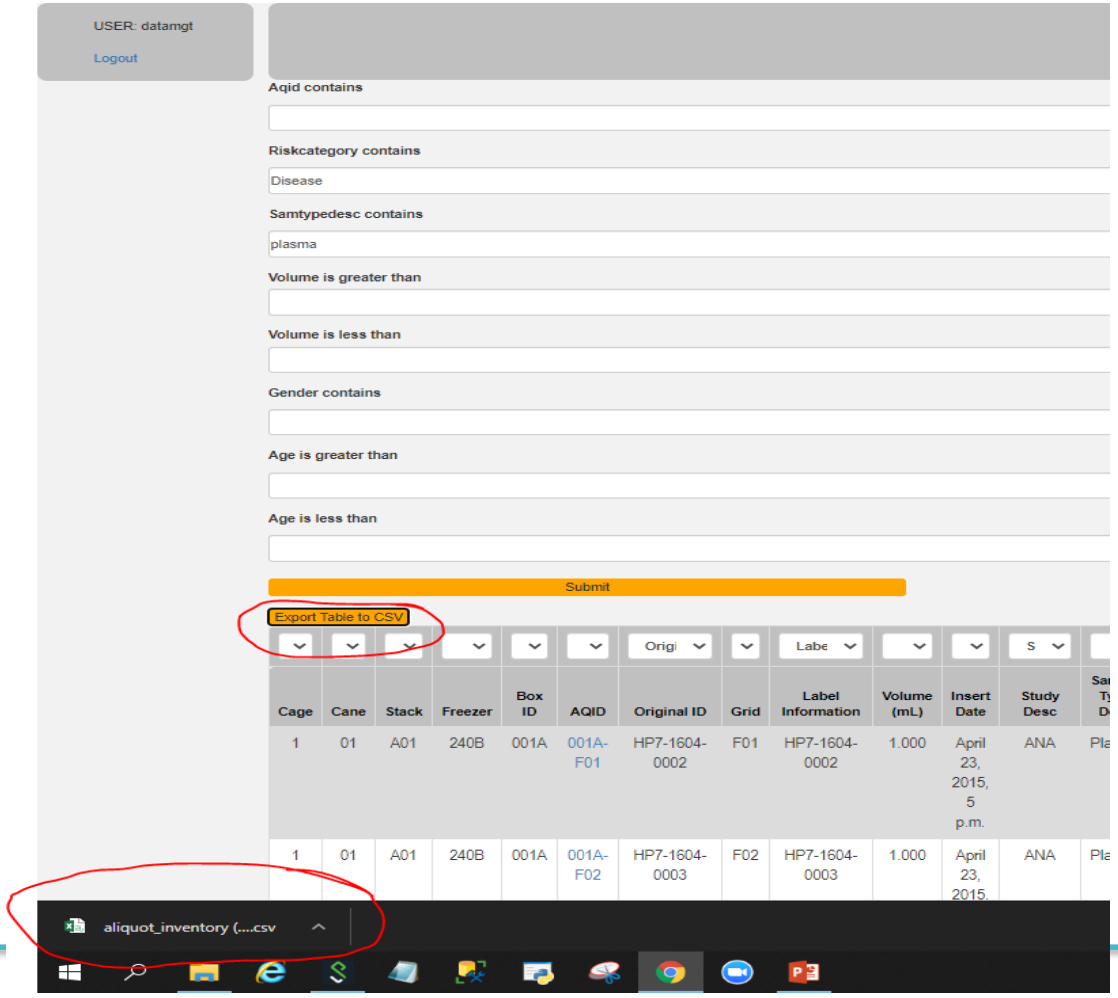
- When the user is satisfied with what is displayed in the table the user can export the table in csv format. This will automatically be downloaded in an excel file.



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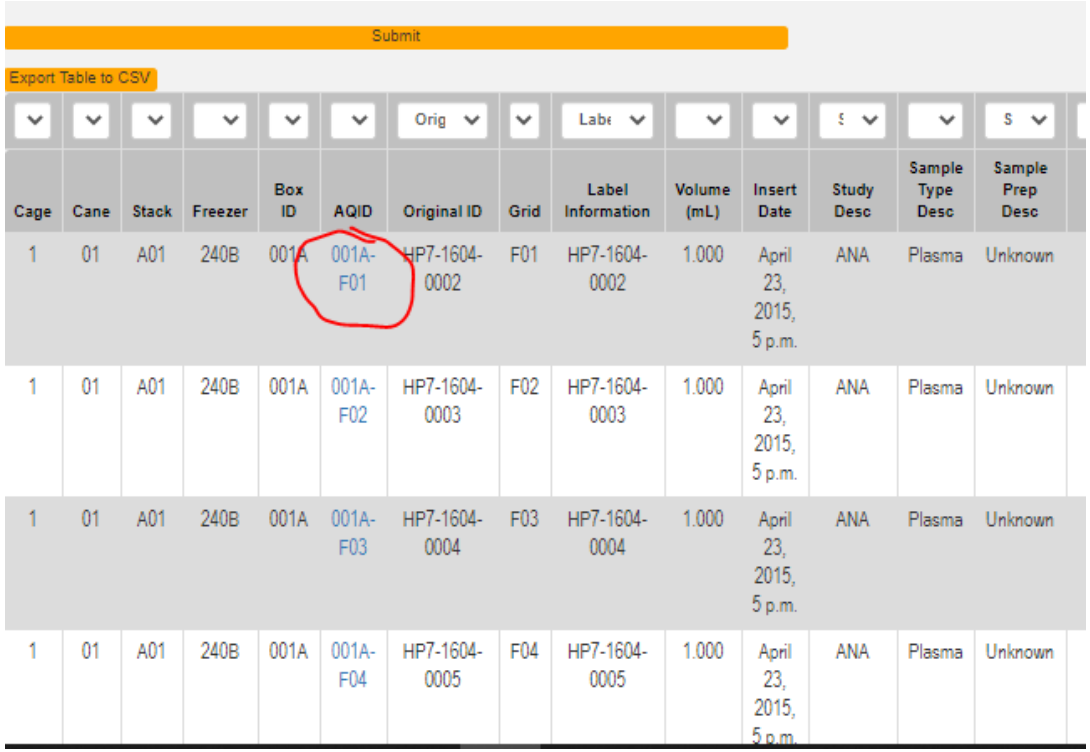
- If the user wants to check out an aliquot that is displayed in the search results table the user will press the hyperlink on the Aliquot ID of that aliquot.

- The user will then be taken to the box that the aliquot is located. From there the user will be able to select and check out the aliquot.



Cage	Cane	Stack	Freezer	Box ID	AQID	Original ID	Grid	Label Information	Volume (mL)	Insert Date	Study Desc	Sample Type Desc	Sample Prep Desc
1	01	A01	240B	001A	001A-F01	HP7-1604-0002	F01	HP7-1604-0002	1.000	April 23, 2015, 5 p.m.	ANA	Plasma	Unknown
1	01	A01	240B	001A	001A-F02	HP7-1604-0003	F02	HP7-1604-0003	1.000	April 23, 2015, 5 p.m.	ANA	Plasma	Unknown
1	01	A01	240B	001A	001A-F03	HP7-1604-0004	F03	HP7-1604-0004	1.000	April 23, 2015, 5 p.m.	ANA	Plasma	Unknown
1	01	A01	240B	001A	001A-F04	HP7-1604-0005	F04	HP7-1604-0005	1.000	April 23, 2015, 5 p.m.	ANA	Plasma	Unknown

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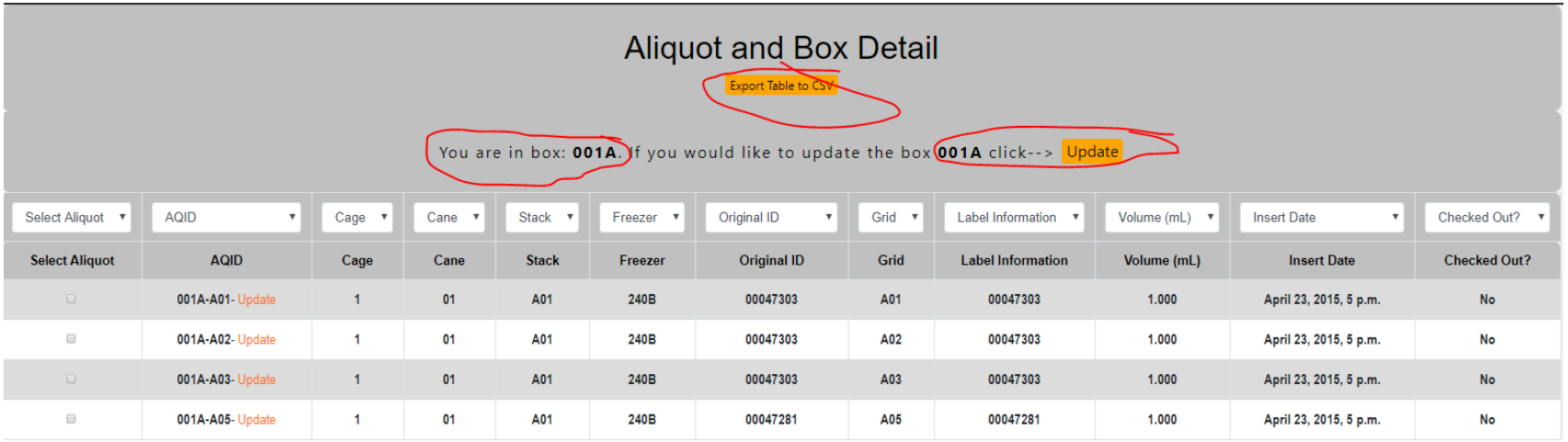
- Once a user has found the contents they are looking for they can click on any of the cells in the view and it will redirect them to the Aliquot and Box detail view.
- This is the main transaction page for the repository application.
- You can update the Box information, Export the Contents of the box to excel, checkout aliquots, and update aliquot information.



Aliquot and Box Detail

Export Table to CSV

You are in box: **001A**. If you would like to update the box **001A** click--> Update

Select Aliquot	AQID	Cage	Cane	Stack	Freezer	Original ID	Grid	Label Information	Volume (mL)	Insert Date	Checked Out?
Select Aliquot	AQID	Cage	Cane	Stack	Freezer	Original ID	Grid	Label Information	Volume (mL)	Insert Date	Checked Out?
	001A-A01- Update	1	01	A01	240B	00047303	A01	00047303	1.000	April 23, 2015, 5 p.m.	No
	001A-A02- Update	1	01	A01	240B	00047303	A02	00047303	1.000	April 23, 2015, 5 p.m.	No
	001A-A03- Update	1	01	A01	240B	00047303	A03	00047303	1.000	April 23, 2015, 5 p.m.	No
	001A-A05- Update	1	01	A01	240B	00047281	A05	00047281	1.000	April 23, 2015, 5 p.m.	No

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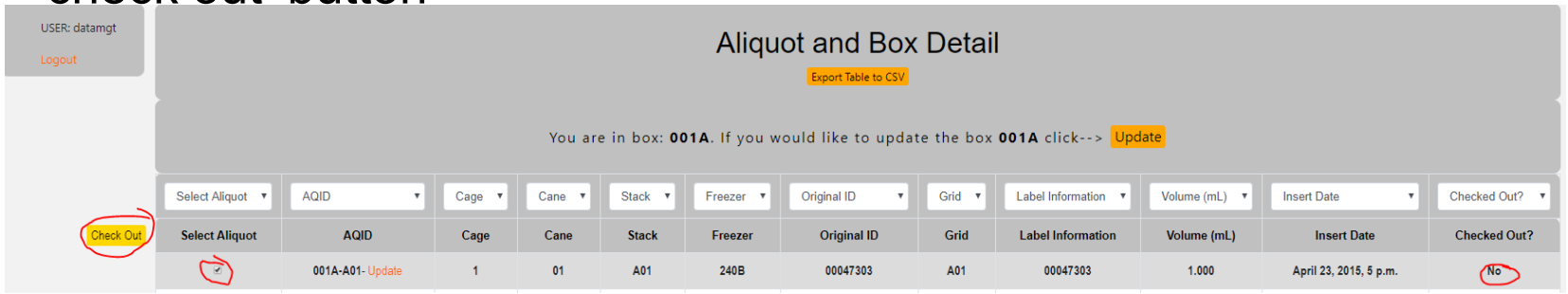
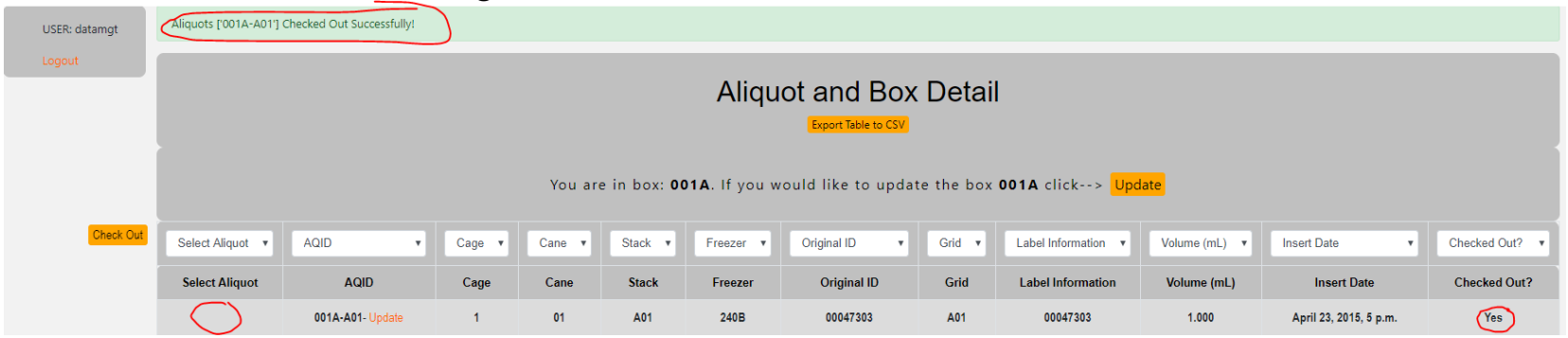
- To checkout an aliquot the user will click the check boxes of all the aliquots they require and click the ‘check out’ button



- Once the button is pressed the page will update with a success message in green and the column ‘Select Aliquot’ will no longer show check boxes where the aliquot is checked out. Also the ‘Checked Out?’ column will change from No to Yes.



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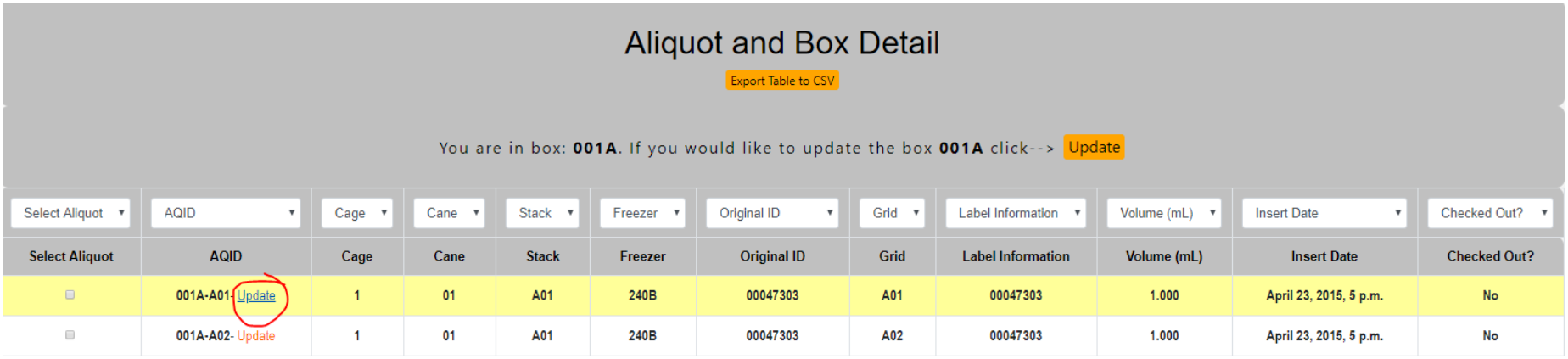
- To update the aliquot the user will click on the ‘Update’ link next to it’s corresponding Aliquot ID in the AQID column.
- This procedure is also how a user will check an aliquot back into the box.
- The process is sped up by knowing the Aliquot ID



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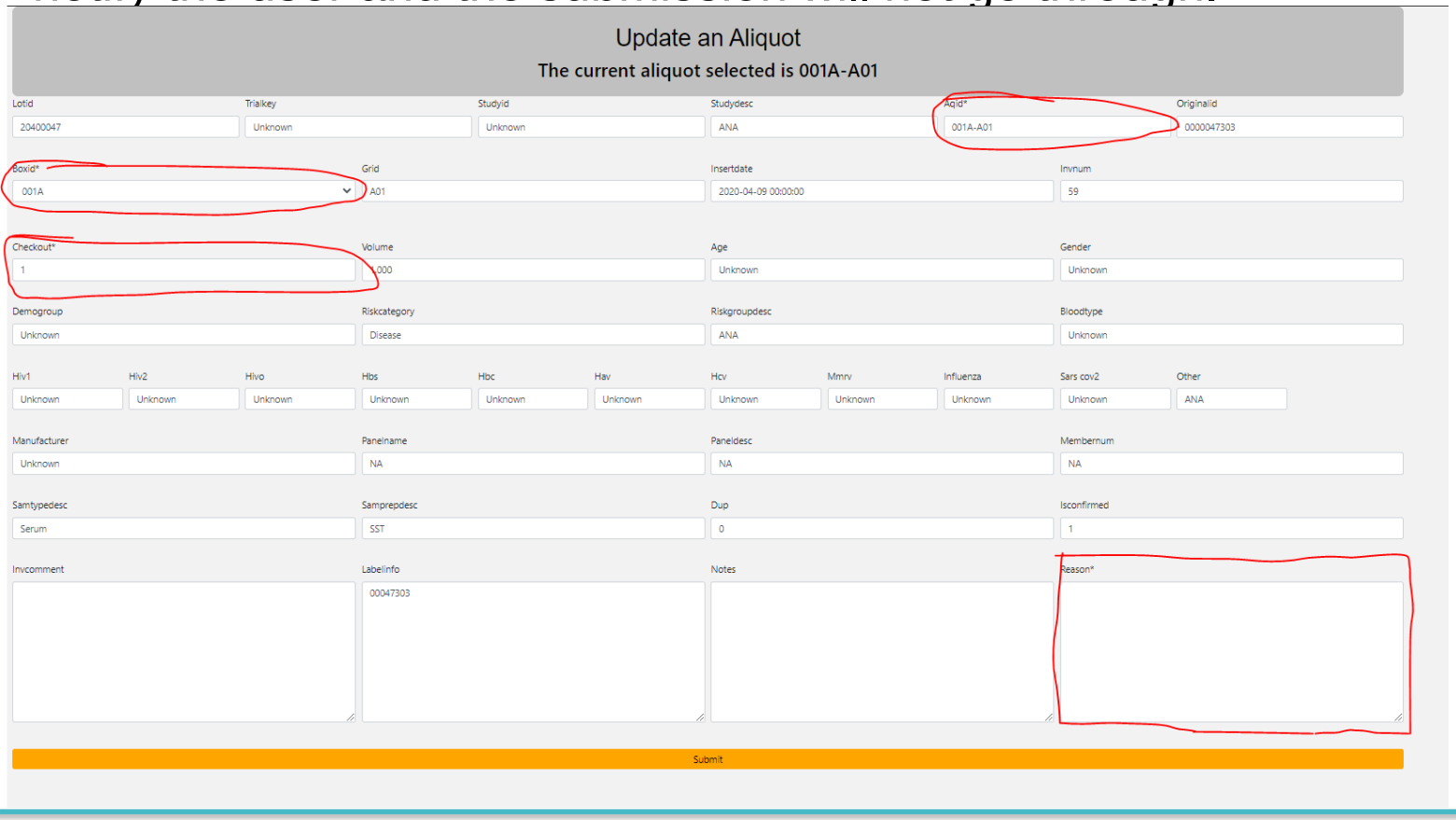
- All fields of an Aliquot can be update on this page.
- Required Fields have an * after the label and if left blank a widget will notify the user and the submission will not go through.



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- Note that the Aliquot ID(Aqid) cannot be updated.

- If the user entered an incorrect Aqid then they must add a new aliquot with the correct Aqid and dispose of the incorrect Aqid.

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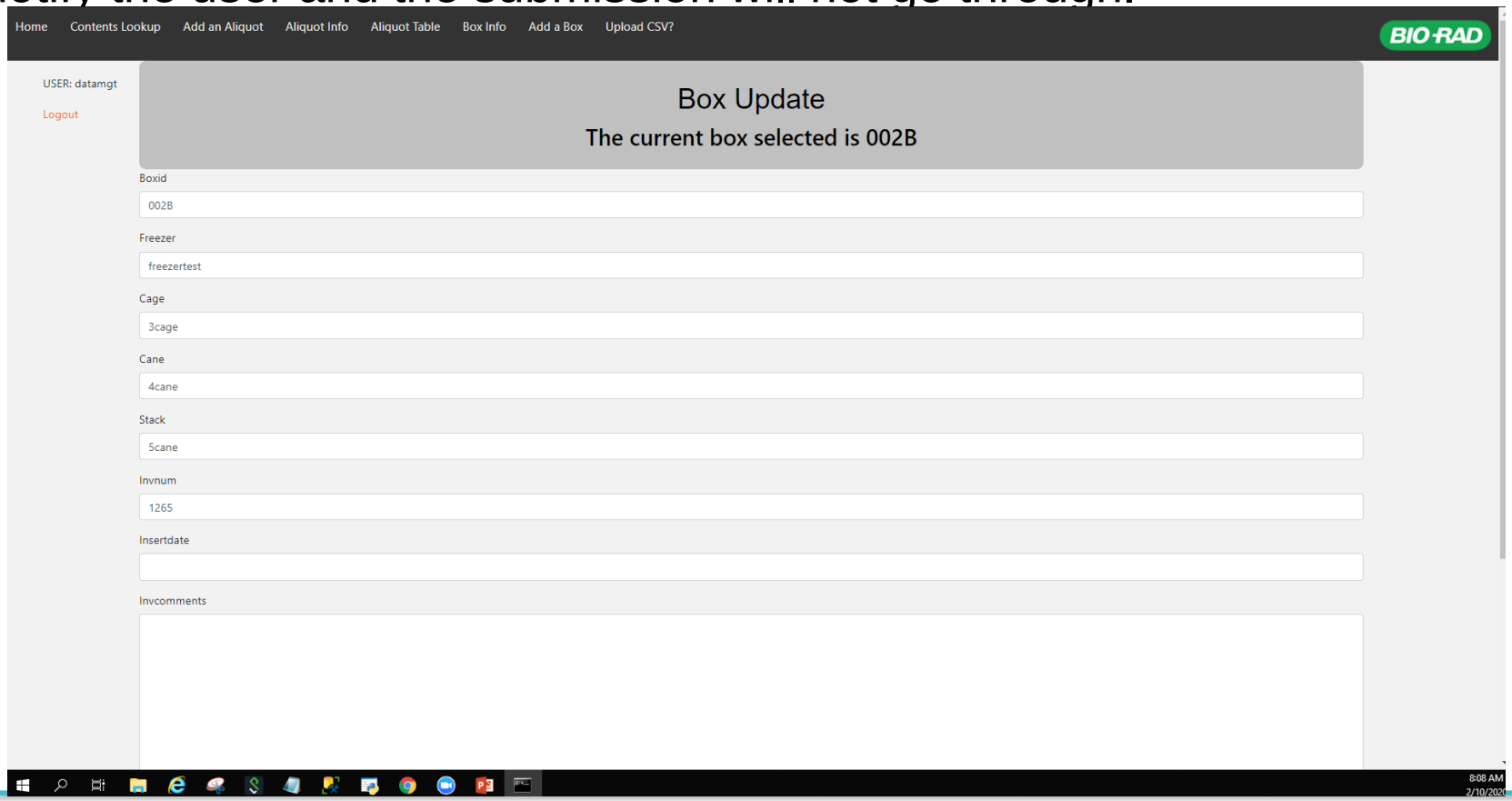
- All fields of a Box can be update on this page.
- Required Fields have an * after the label and if left blank a widget will notify the user and the submission will not go through.



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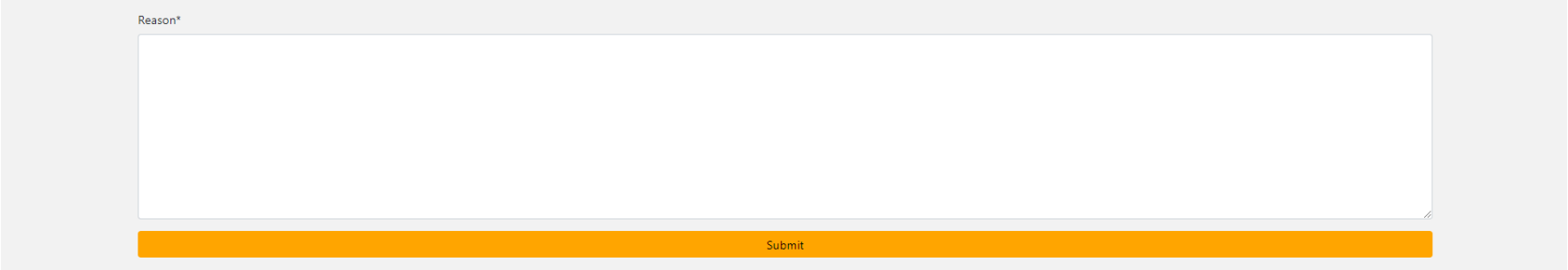
- One of the required fields is the Reason*
- Give a brief and concise reason for the update



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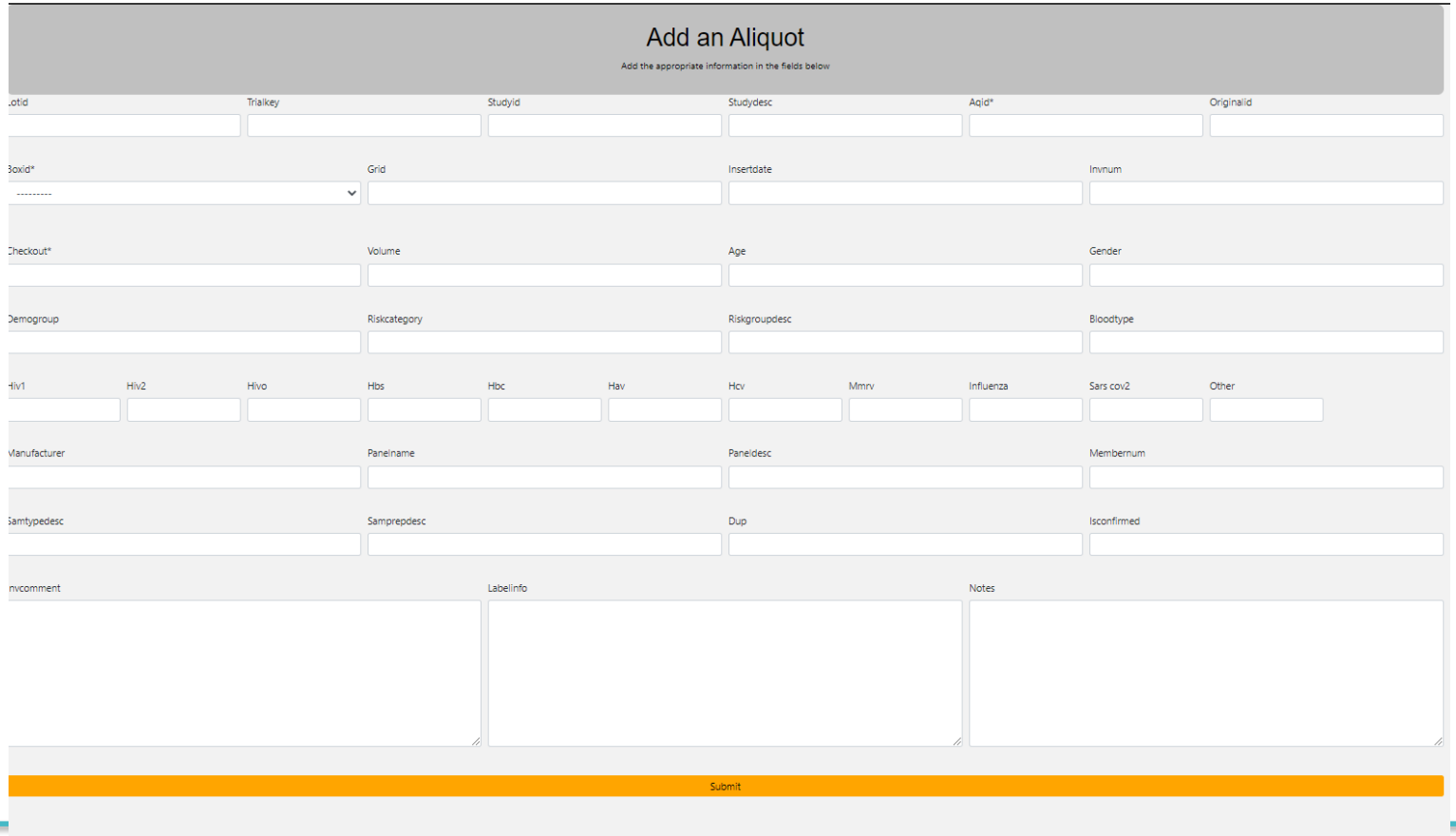
- To add an Aliquot fill out all fields
- Box ID's are in a dropdown and is required before submission of the form.



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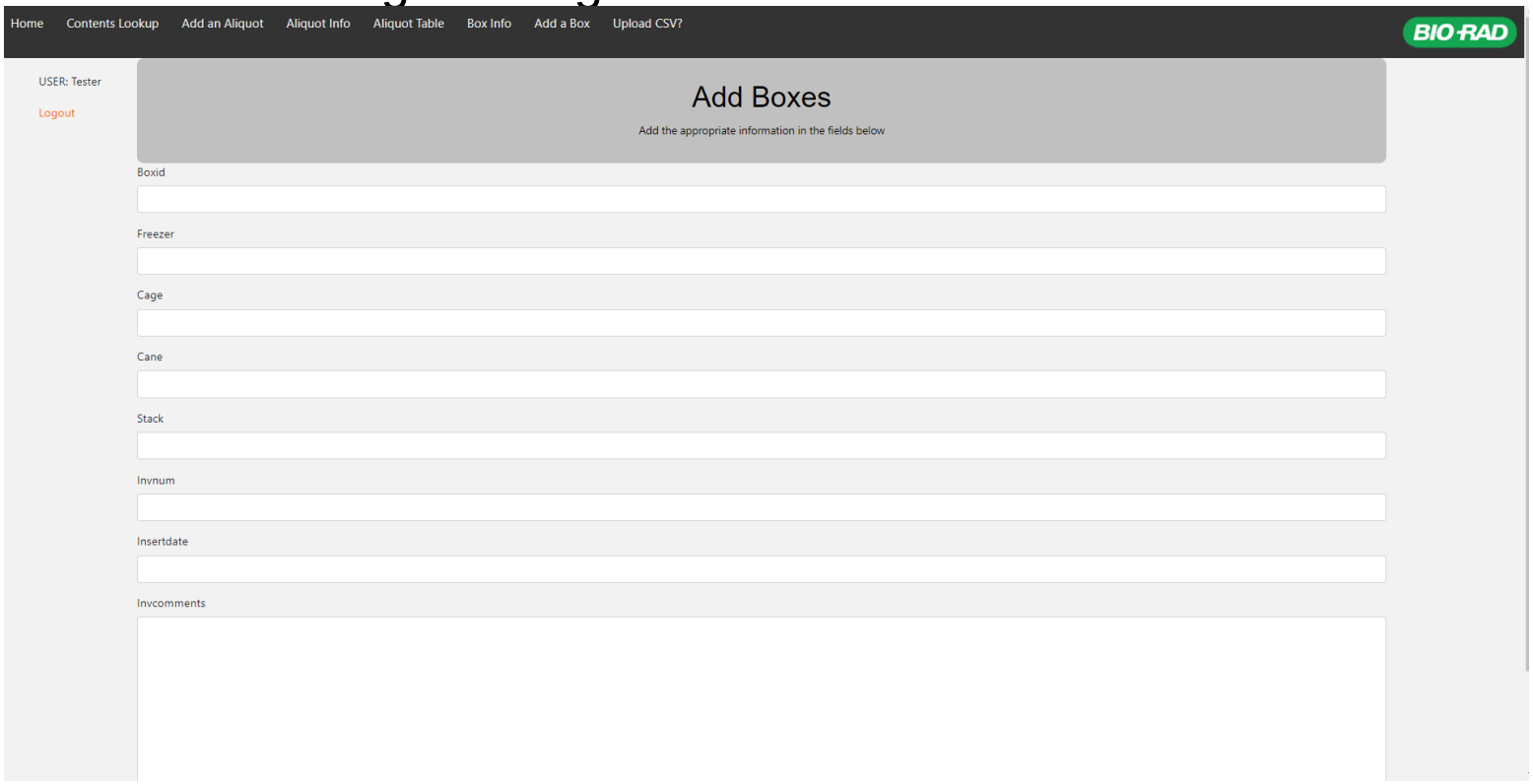
- Adding a box is simple, just add the box information in the fields shown and press submit.
- If the Box ID is already in the database the user will be notified and the submission will not go through.



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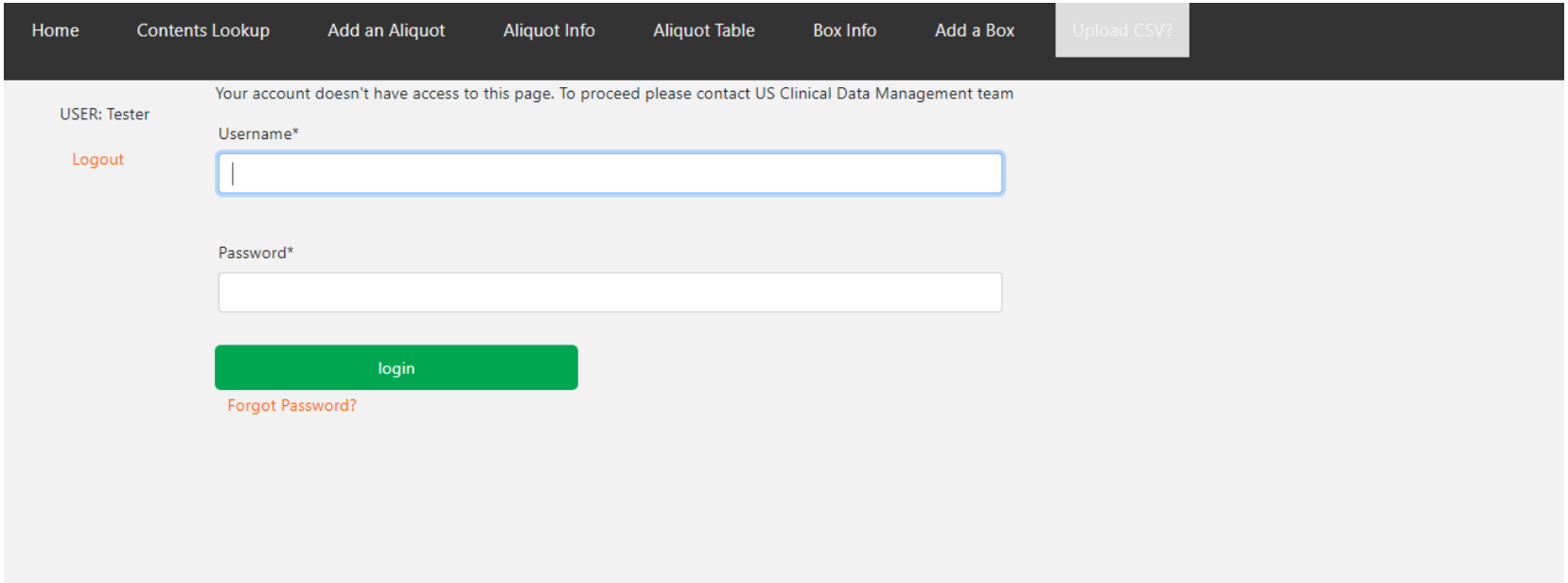
- CSV upload page is limited to the Clinical Data Management team.