User Experience

FUEL3D

SHAPING FUTURES

Summary

- Personas
- User Flow
- Site Map
- Experience Map
- Wire-frames
- Low fidelity Prototype

FUEL 3D
SHAPING FUTURES

Personas

- Lab Technician
- Scientist / Academic
- Data scientist / Analyst / Data manager
- Study director
- IT manager

Persona: Lab Technician

Goals:

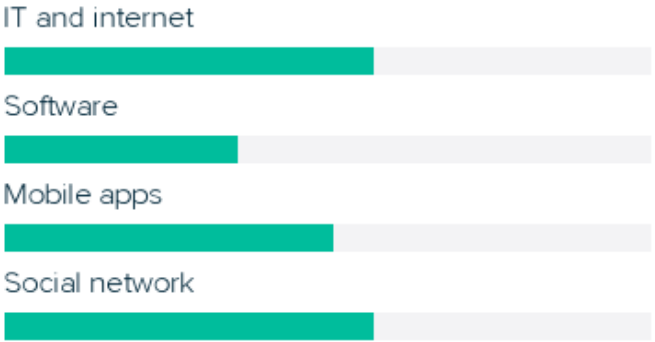
- Complete as much study he can.
- Prove his theory to his boss.
- Make an impact in medical industry

Frustrations:

- Inconclusive results.
- Inaccurate studies.
- Problem with hardware

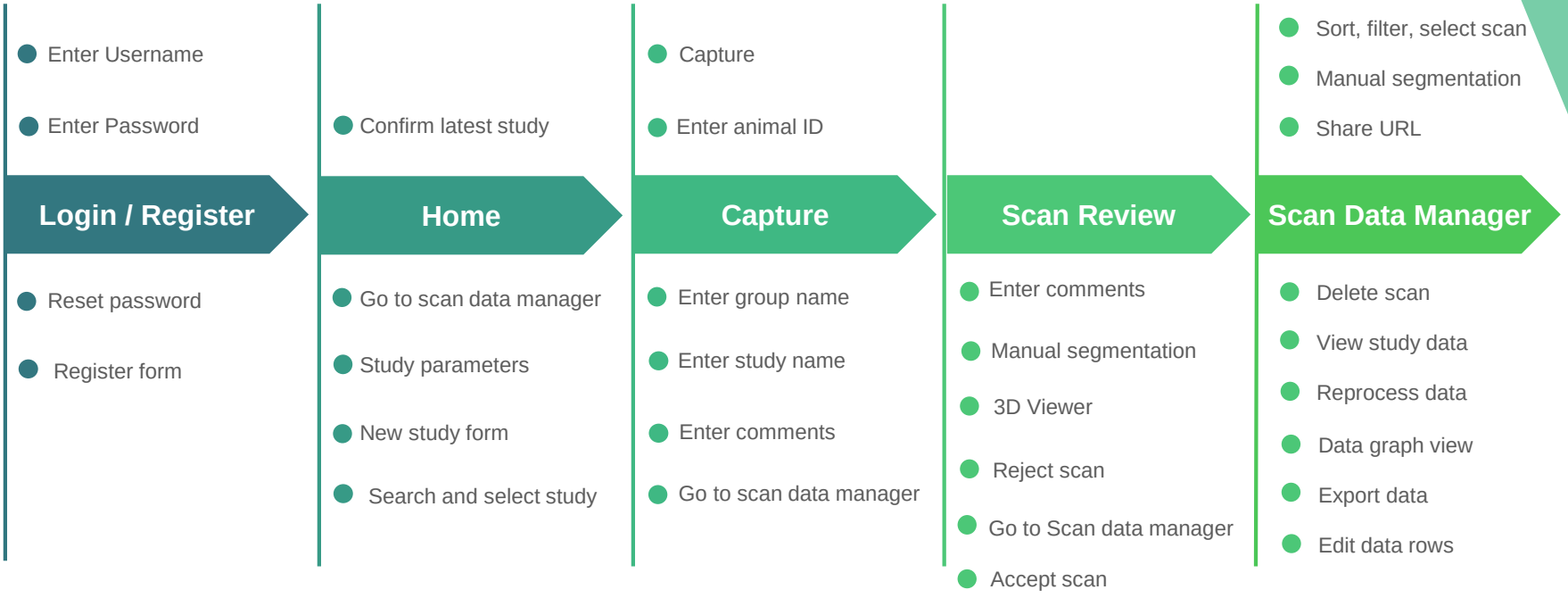
Motivation

Technology



Laboratory technician

Experience map



Persona: Scientist

Goals:

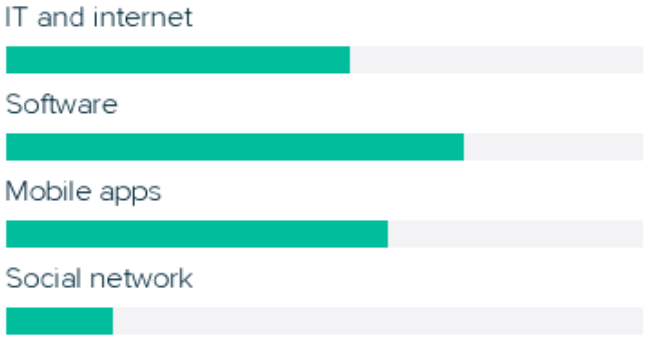
- Capture scan.
- Review scan results.
- Confirm study integrity.

Frustrations:

- Inconsistent data.
- Missing data.
- Scan errors.

Motivation

Technology



Scientist

Experience map

Primary Actions

Secondary Actions

Login / Register	Home	Capture	Scan Review	Scan Data Manager
Enter Username	New study form	Capture	Enter comments	Sort, filter, select scan
Enter Password	Confirm latest study	Enter animal ID	Accept scan	Manual segmentation
				Share URL
				View study data
Reset password	Go to scan data manager	Enter group name	Manual segmentation	Delete scan
Register form	Study parameters	Enter study name	3D Viewer	Reprocess data
	Search and select study	Go to scan data manager	Reject scan	Data graph view
			Go to Scan data manager	Export data
				Edit data rows

Persona: Analyst

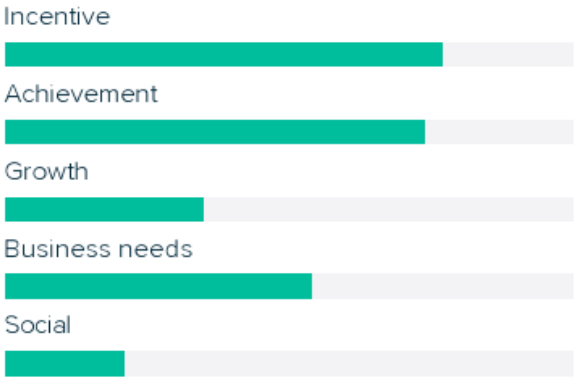
Goals:

- Review scan data captured.
- Analyse scan data.
- Insure study integrity.

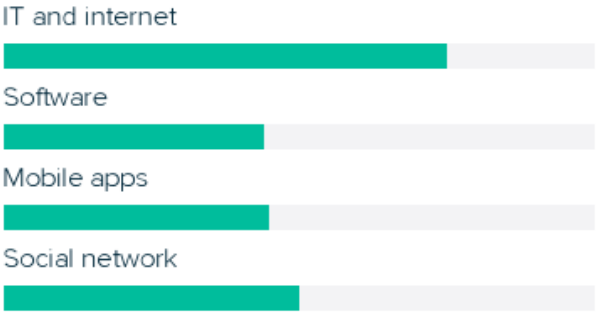
Frustrations:

- Inconsistent data.
- Missing data.
- Scan errors.

Motivation

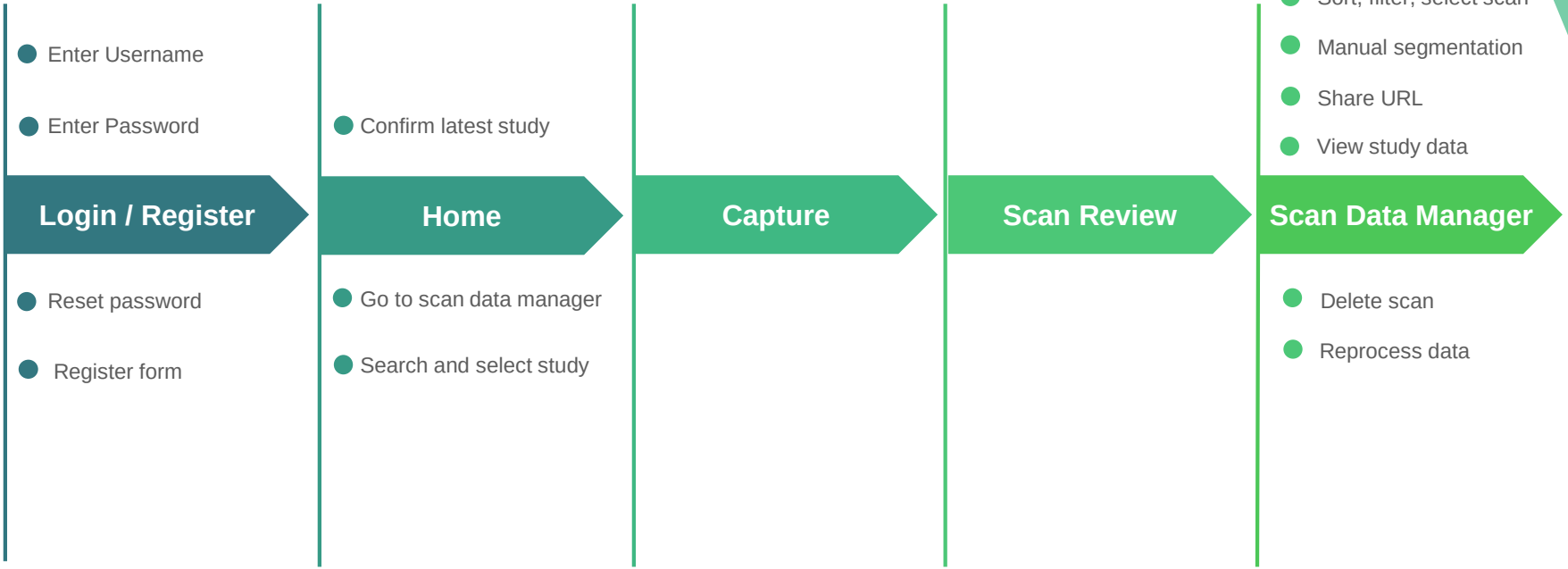


Technology



Analyst

Experience map



Persona: Study Director

Goals:

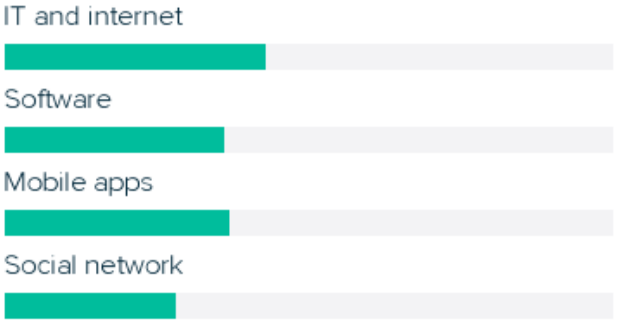
- Review study scans.
- Analyse flagged scan and study progress.
- Approve and confirm study integrity.

Frustrations:

- Incorrect study data.
- Missing study deadline.
- Staff shortage.

Motivation

Technology



Study director

Experience map

Primary Actions

Secondary Actions

Login / Register

- Enter Username
- Enter Password
- Reset password
- Register form

Home

- Go to scan data manager
- Search and select study
- New study form
- Study parameters
- Confirm latest study

Capture

- Enter group name
- Enter study name
- Go to scan data manager
- Capture
- Enter animal ID

Scan Review

- Manual segmentation
- 3D Viewer
- Reject scan
- Go to Scan data manager
- Enter comments
- Accept scan

Scan Data Manager

- View study data
- Delete scan
- Reprocess data
- Data graph view
- Export data
- Edit data rows
- Sort, filter, select scan
- Manual segmentation
- Share URL

Persona: IT Manager

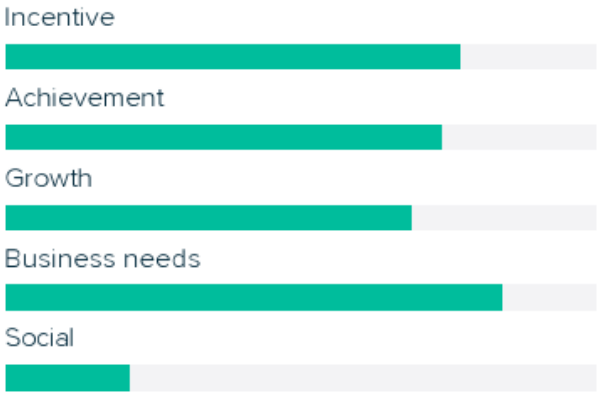
Goals:

- Insure that staff can login to Biovolume.
- Maintain Biovolume update.
- Help staff with software settings .

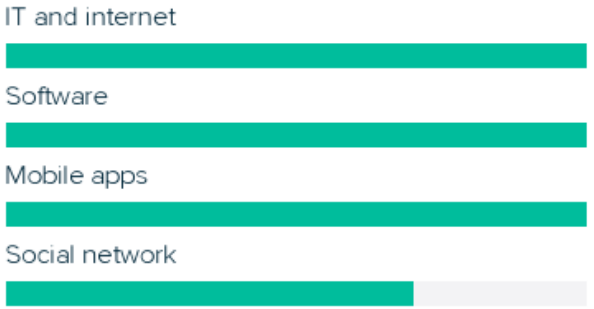
Frustrations:

- Biovolume can’t connect to local network.
- System errors.

Motivation

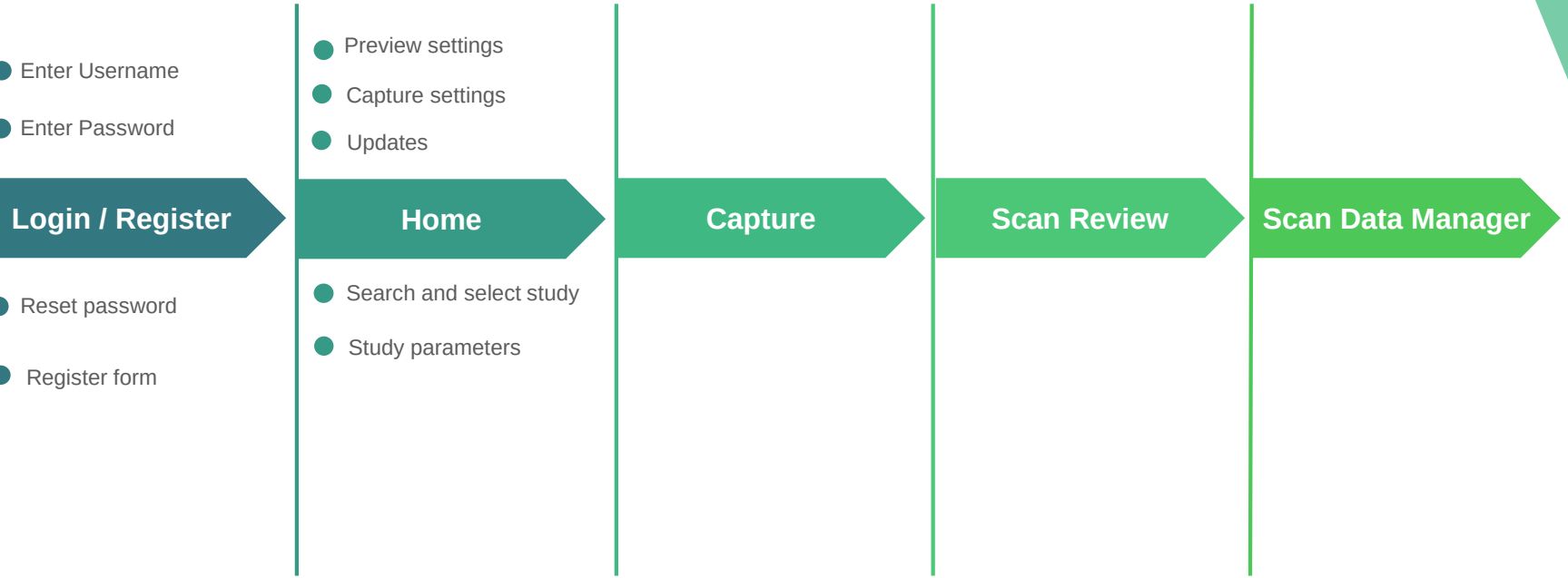


Technology

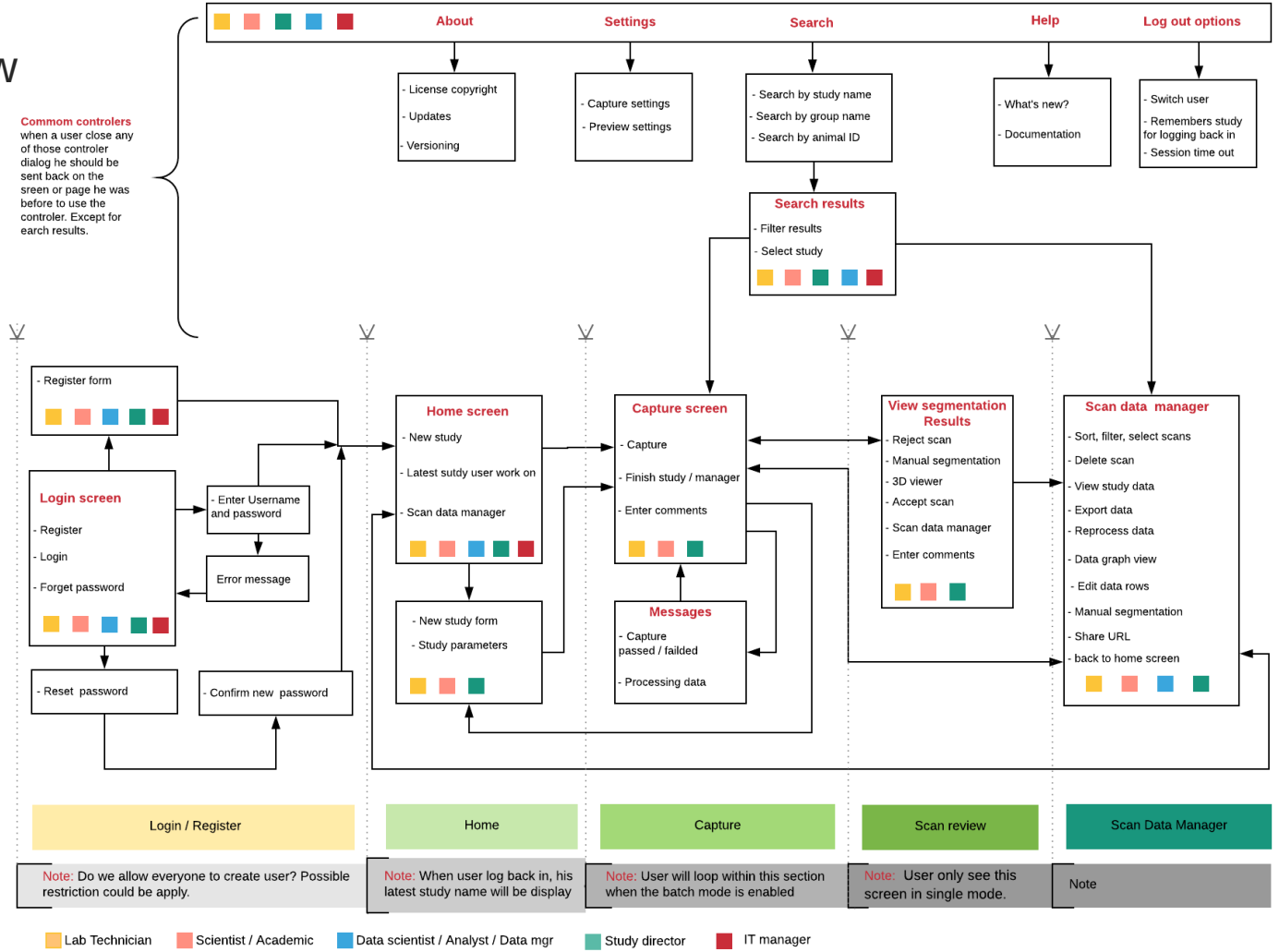


IT Manager

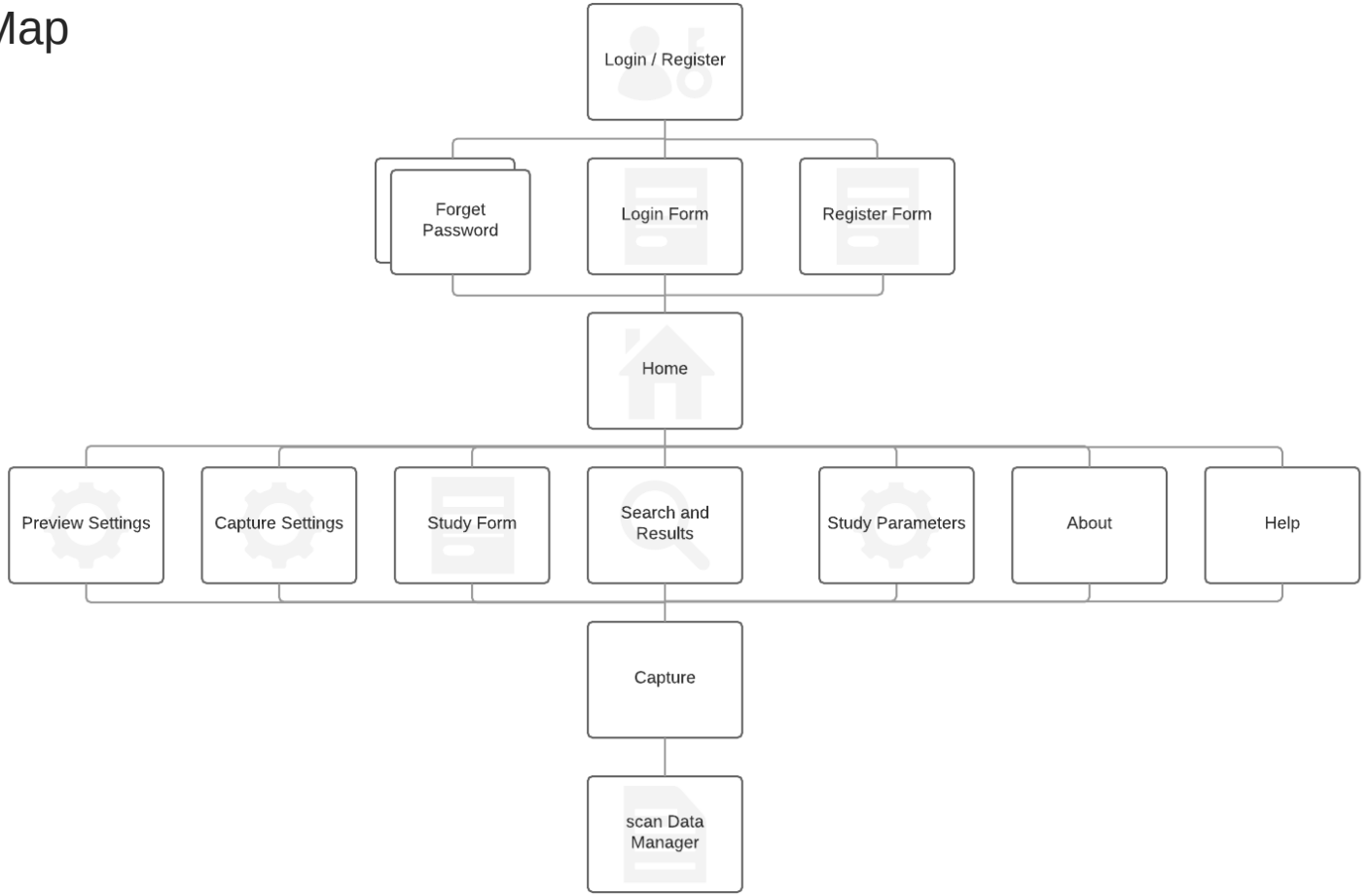
Experience map



User Flow


About
Settings
Search
Help
Log out options
- License copyright
- Updates
- Versioning
- Capture settings
- Preview settings
- Search by study name
- Search by group name
- Search by animal ID
- What's new?
- Documentation
- Switch user
- Remembers study for logging back in
- Session time out
Commom controlers
when a user close any of those controler dialog he should be sent back on the sreen or page he was before to use the controler. Except for earch results.
Search results
- Filter results
- Select study
- Register form
Login screen
- Register
- Login
- Forget password
- Enter Username and password
Error message
- Reset password
- Confirm new password
Home screen
- New study
- Latest sutdy user work on
- Scan data manager
- New study form
- Study parameters
Capture screen
- Capture
- Finish study / manager
- Enter comments
Messages
- Capture passed / failded
- Processing data
View segmentation Results
- Reject scan
- Manual segmentation
- 3D viewer
- Accept scan
- Scan data manager
- Enter comments
Scan data manager
- Sort, filter, select scans
- Delete scan
- View study data
- Export data
- Reprocess data
- Data graph view
- Edit data rows
- Manual segmentation
- Share URL
- back to home screen
Login / Register
Home
Capture
Scan review
Scan Data Manager
Note: Do we allow everyone to create user? Possible restriction could be apply.
Note: When user log back in, his latest study name will be display
Note: User will loop within this section when the batch mode is enabled
Note: User only see this screen in single mode.
Note
Lab Technician
Scientist / Academic
Data scientist / Analyst / Data mgr
Study director
IT manager

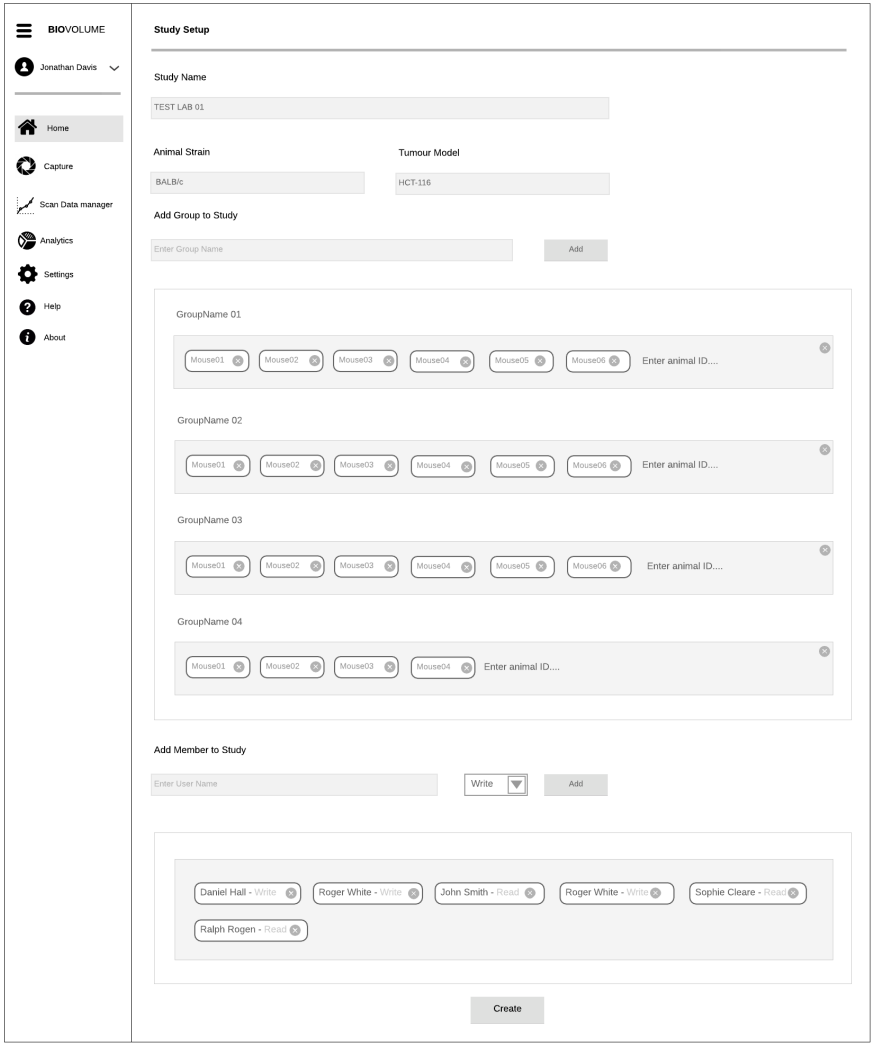
Site Map


Login / Register
Forget Password
Login Form
Register Form
Home
Preview Settings
Capture Settings
Study Form
Search and Results
Study Parameters
About
Help
Capture
scan Data Manager

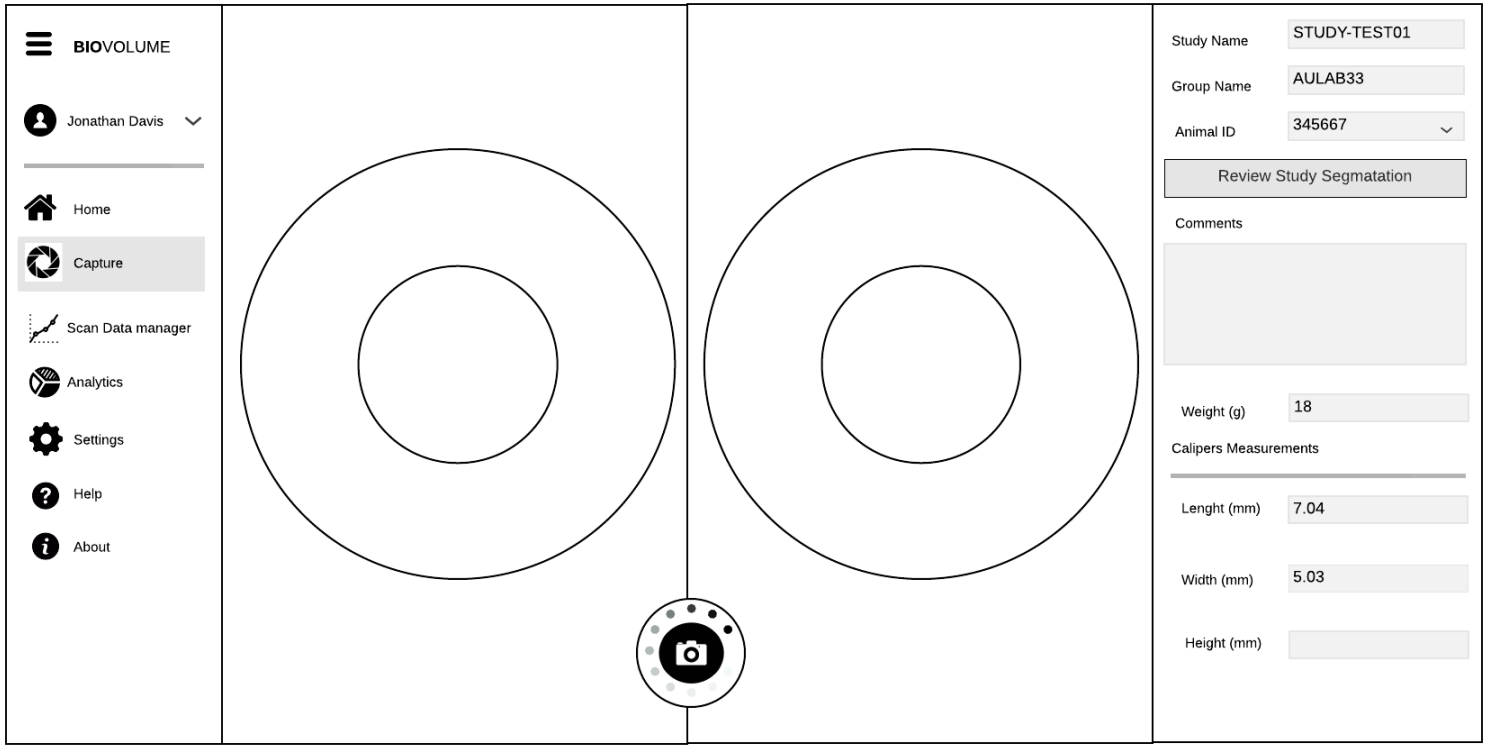
Wire-frames

FUEL 3D
SHAPING FUTURES

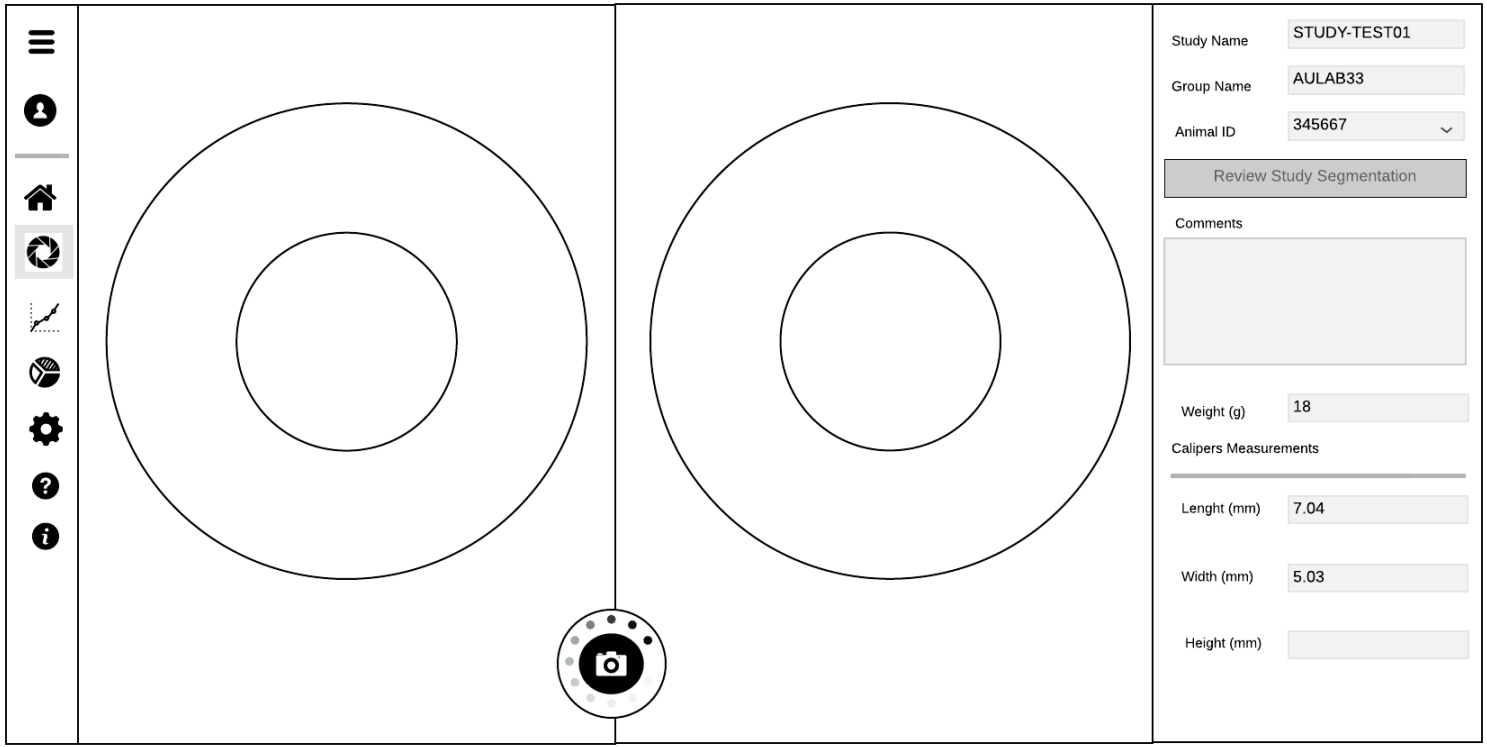
New study form



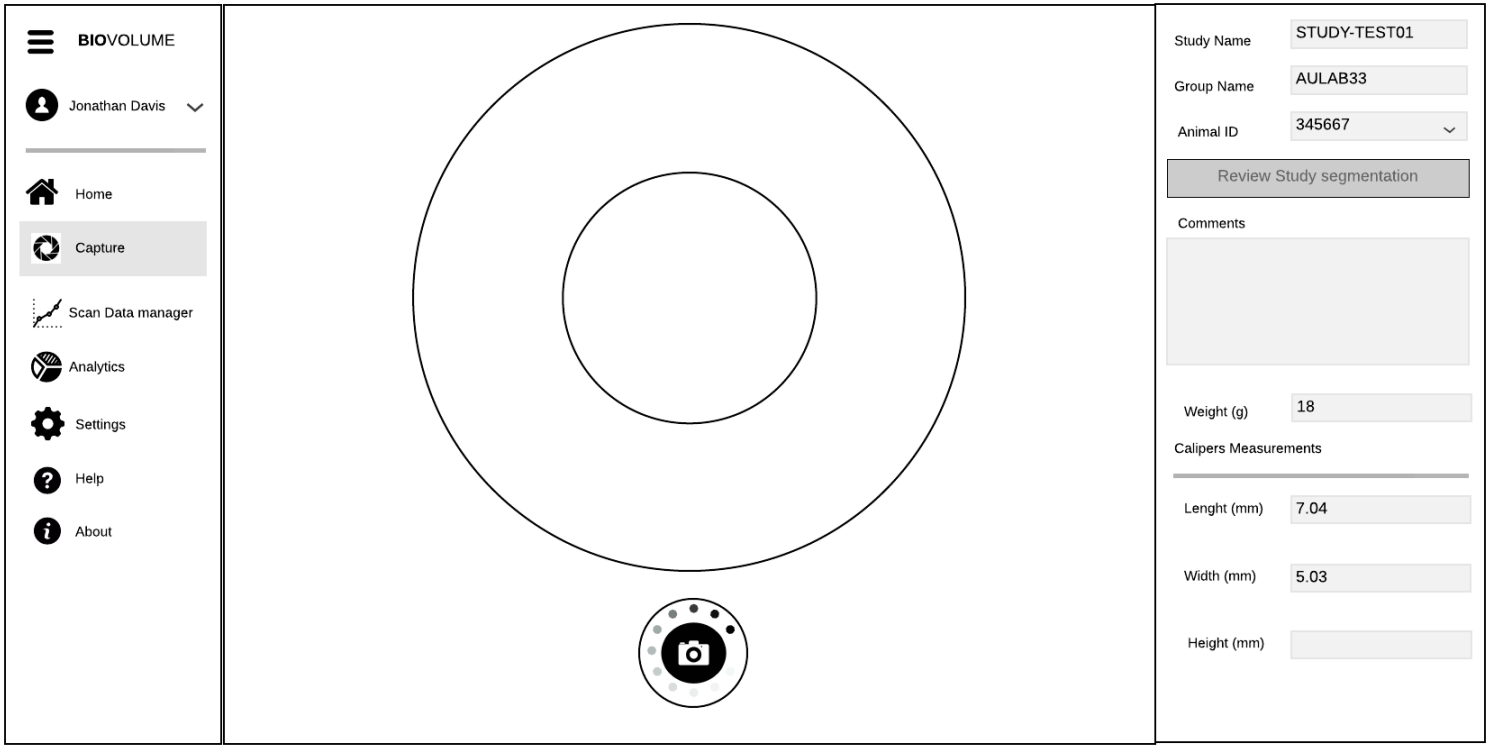
Wireframe capture (double live feed)



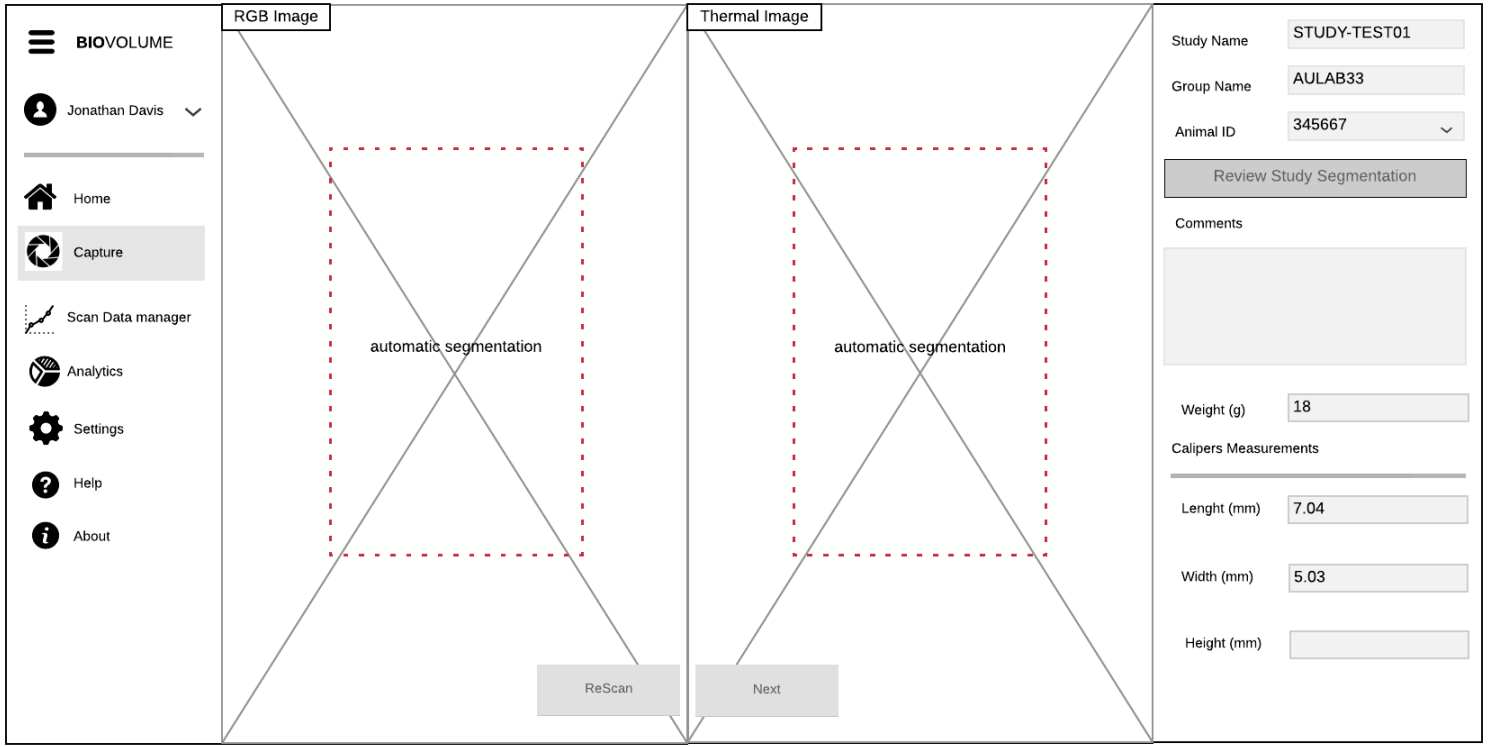
Wireframe capture (double live feed) collapse menu



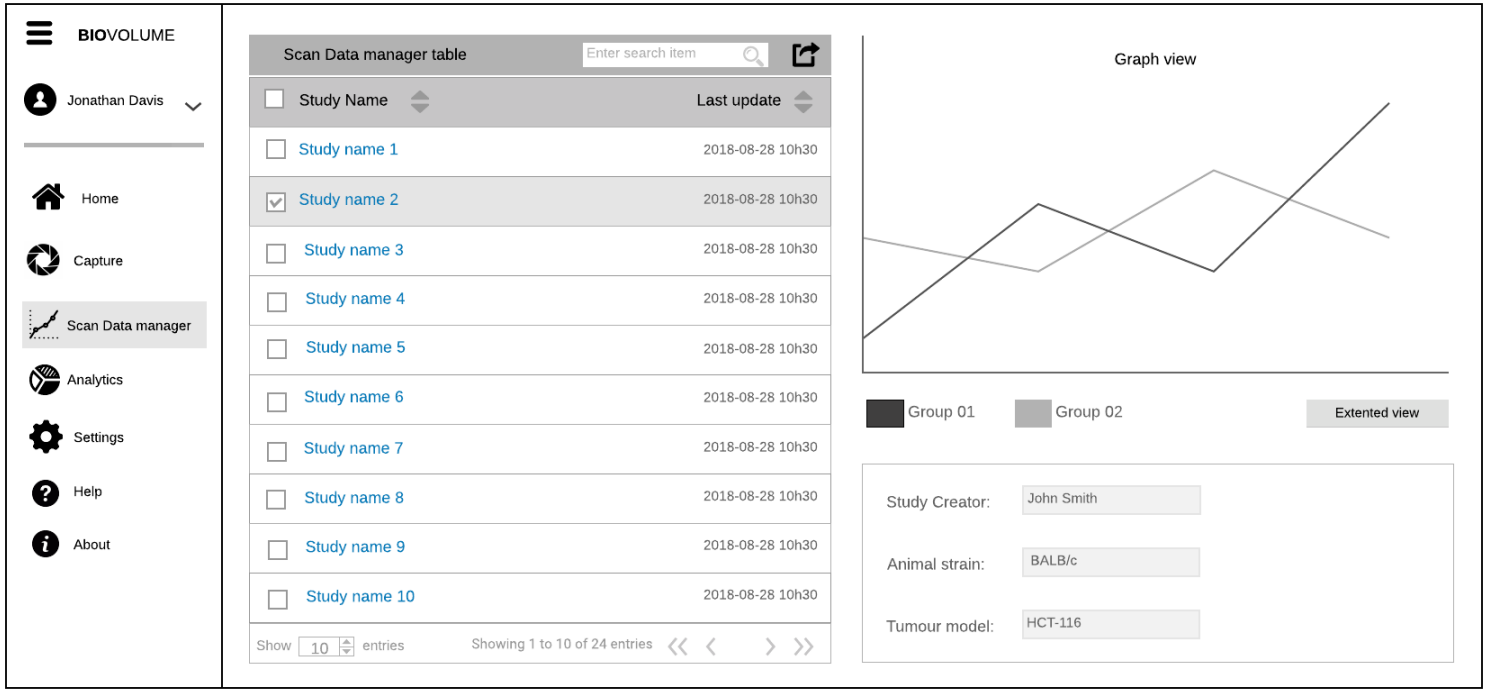
Wireframe capture (single live feed)



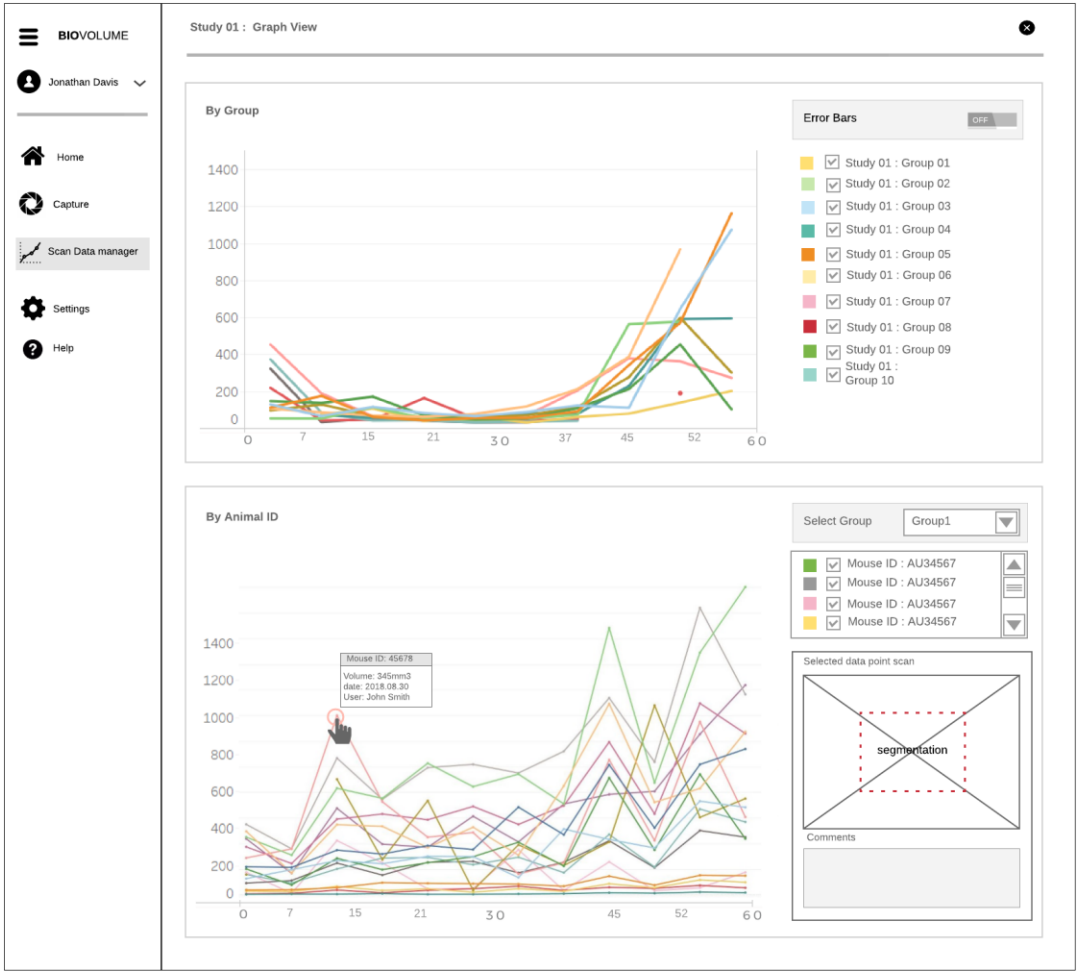
Wireframe capture (scan review)



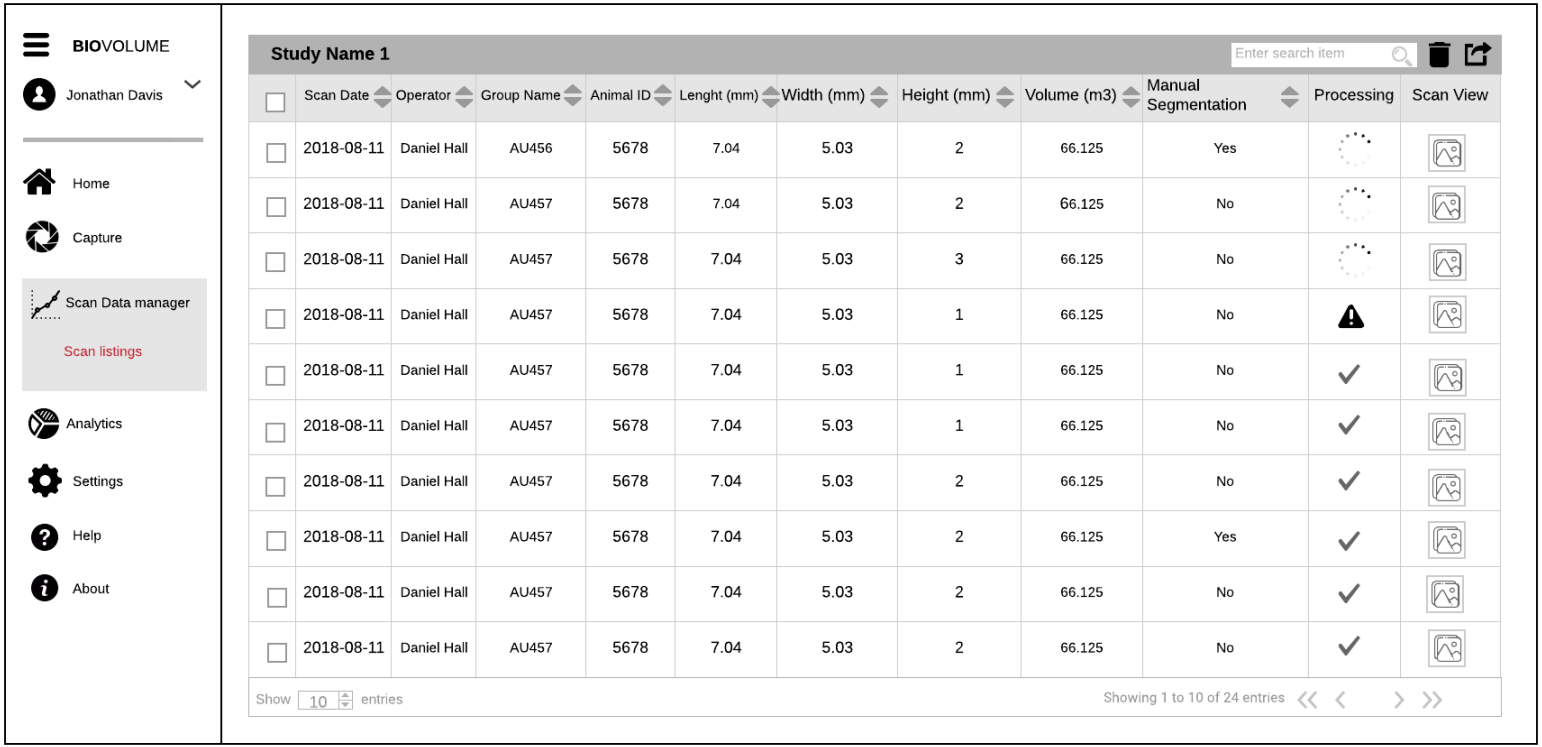
Wireframe capture SDM primary table



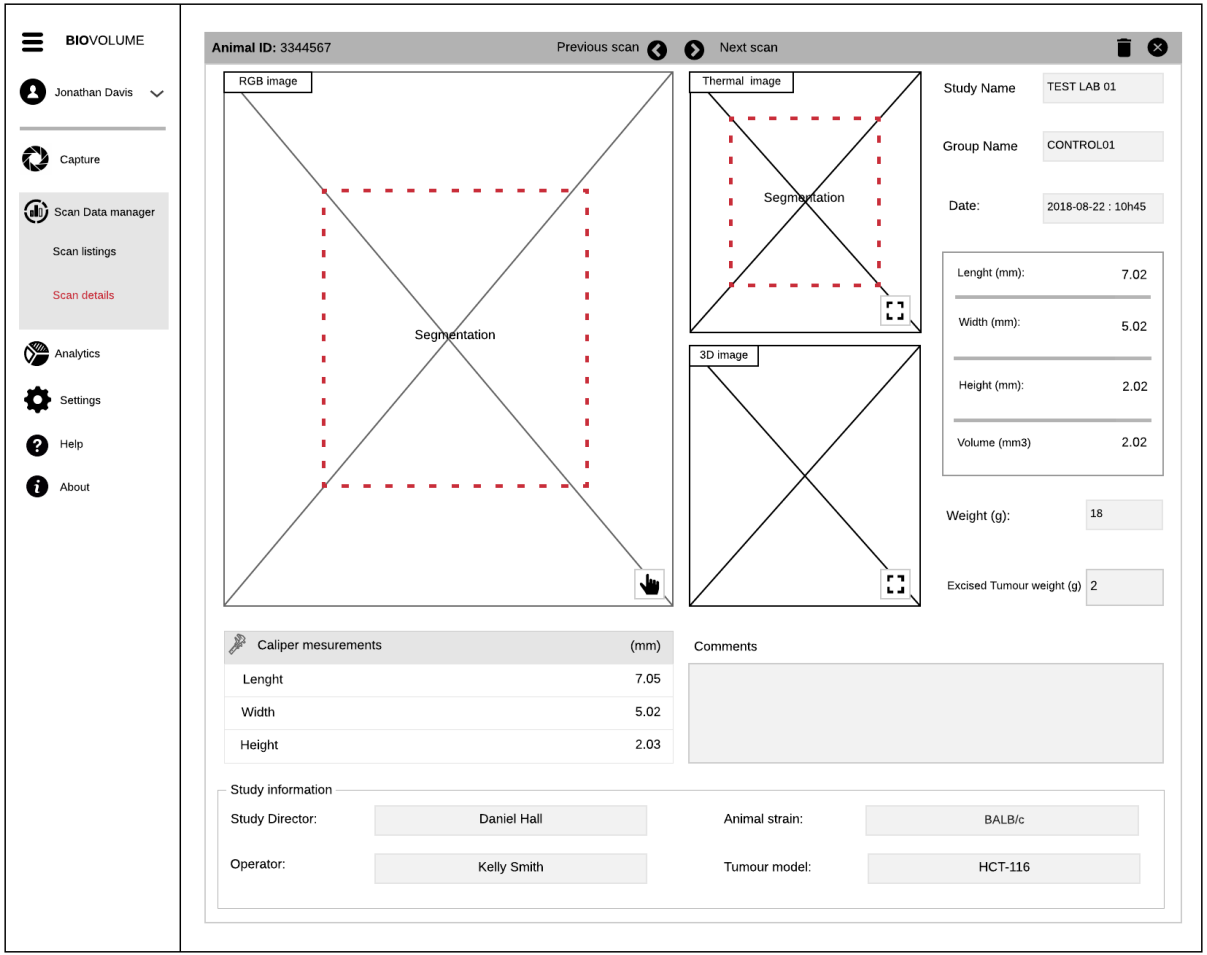
Wireframe Extended graph view



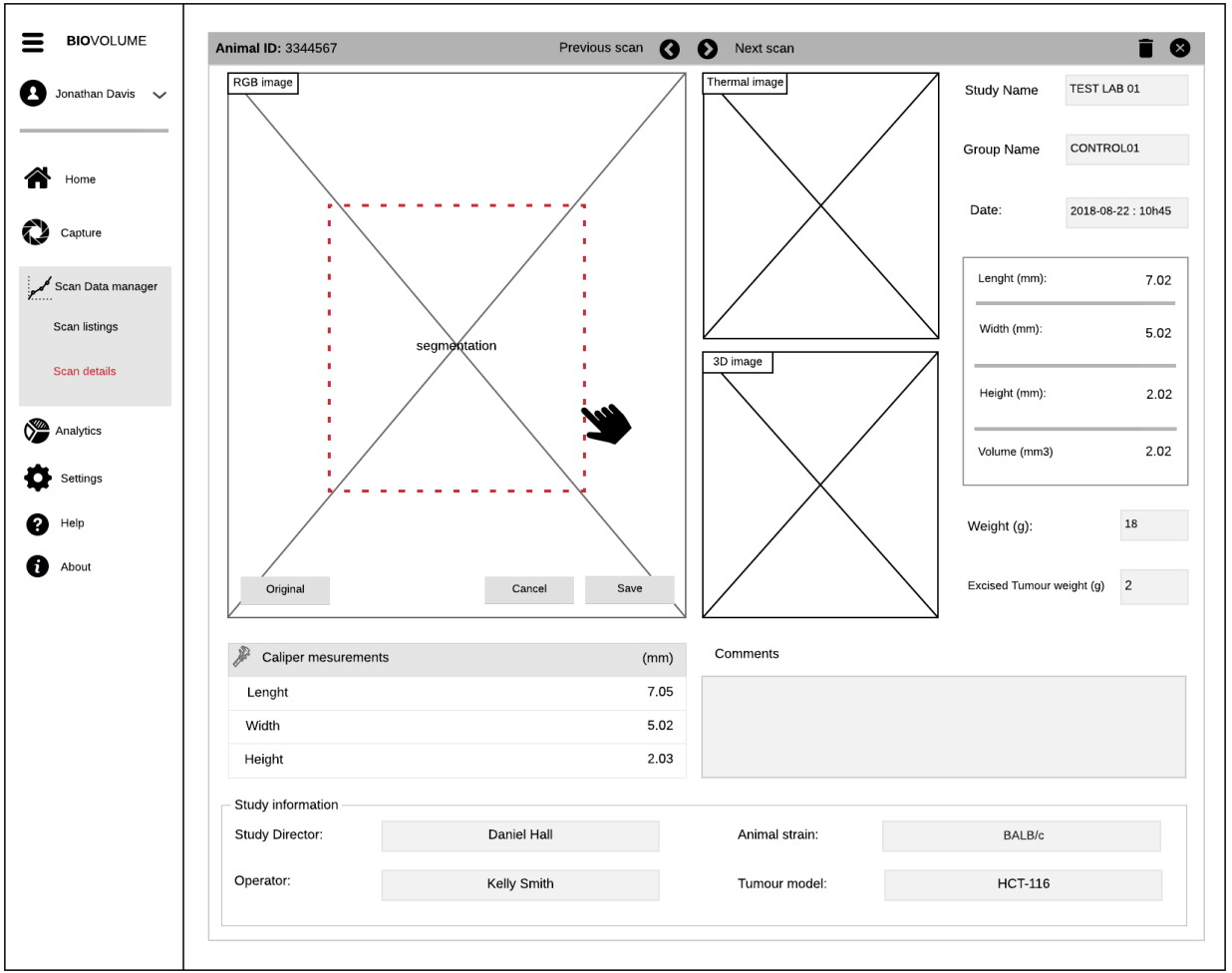
Wireframe capture SDM details table



Wireframe capture SDM scan details table



Wireframe capture SDM scan details table view2

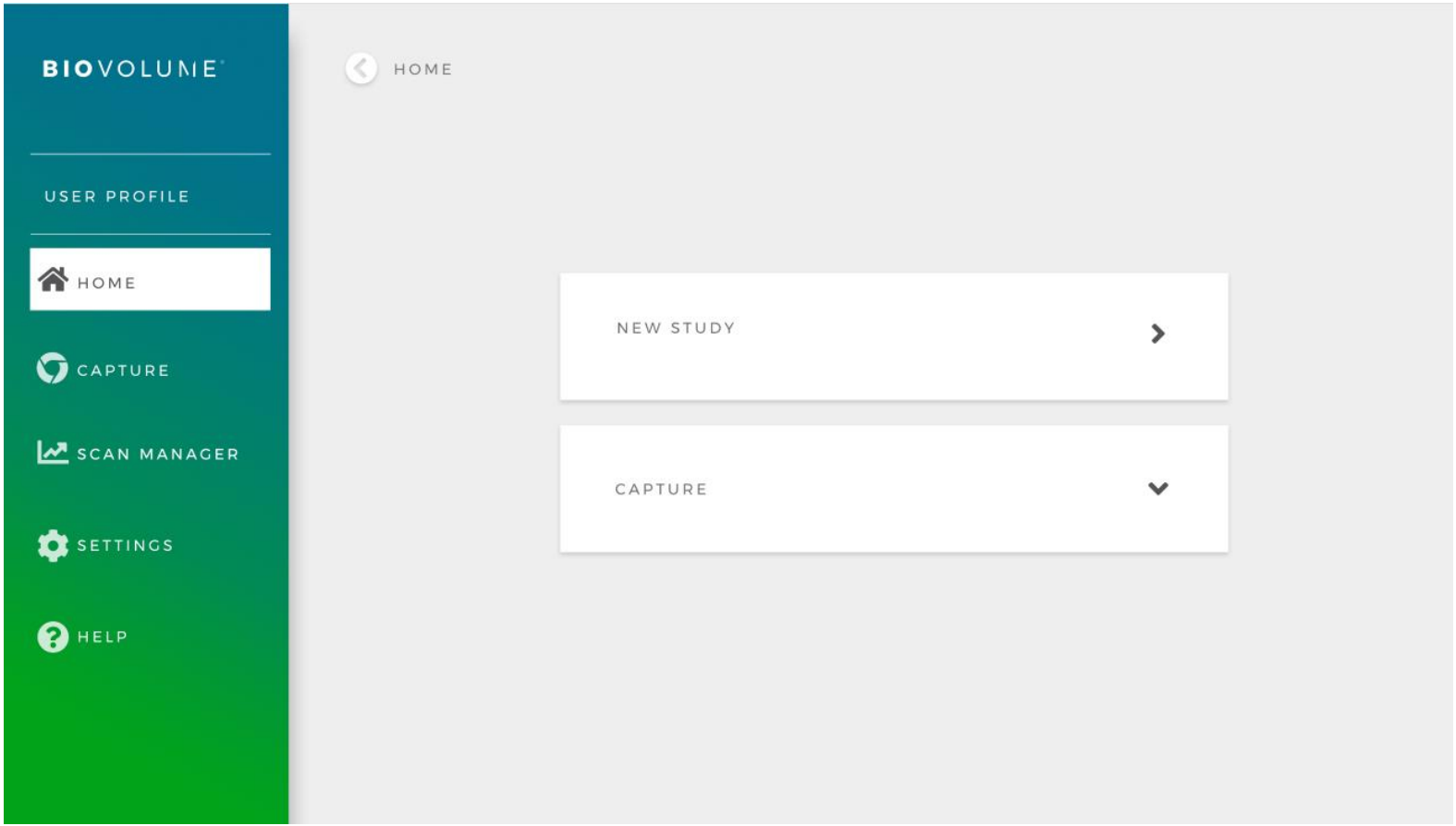


Low Fidelity Prototype

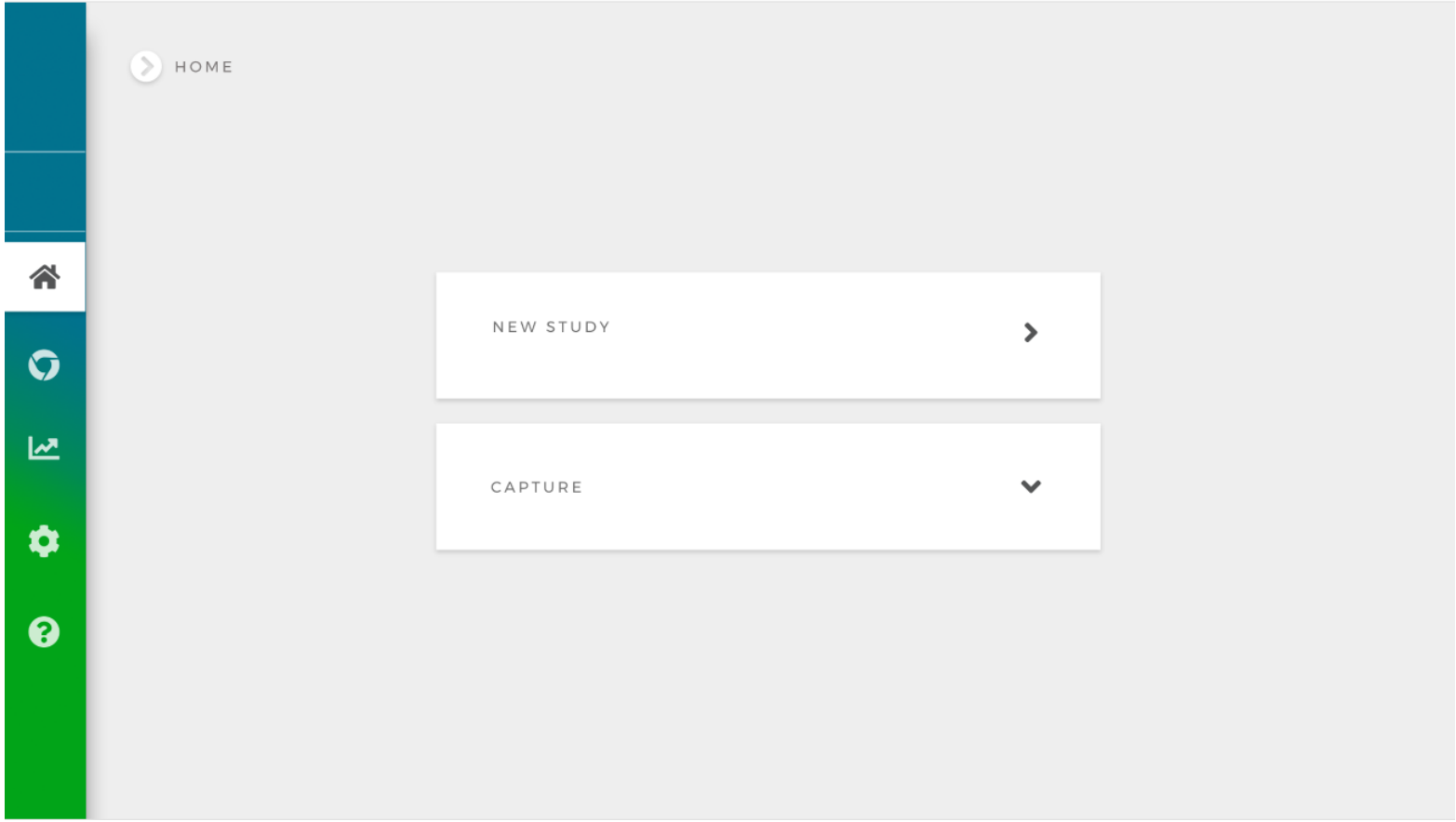
FUEL 3D
SHAPING FUTURES

BioVolume Login screen

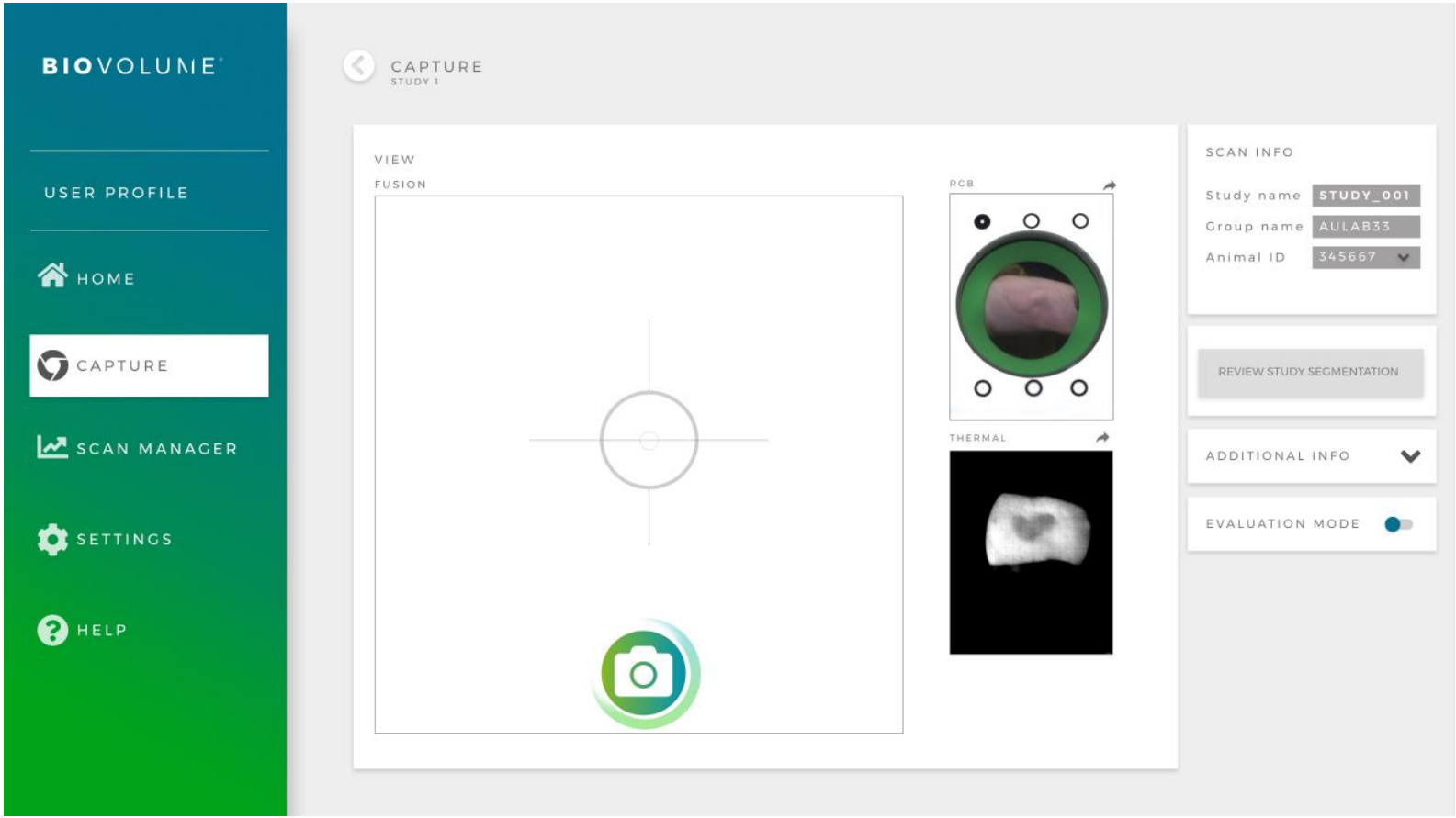
BioVolume Home screen



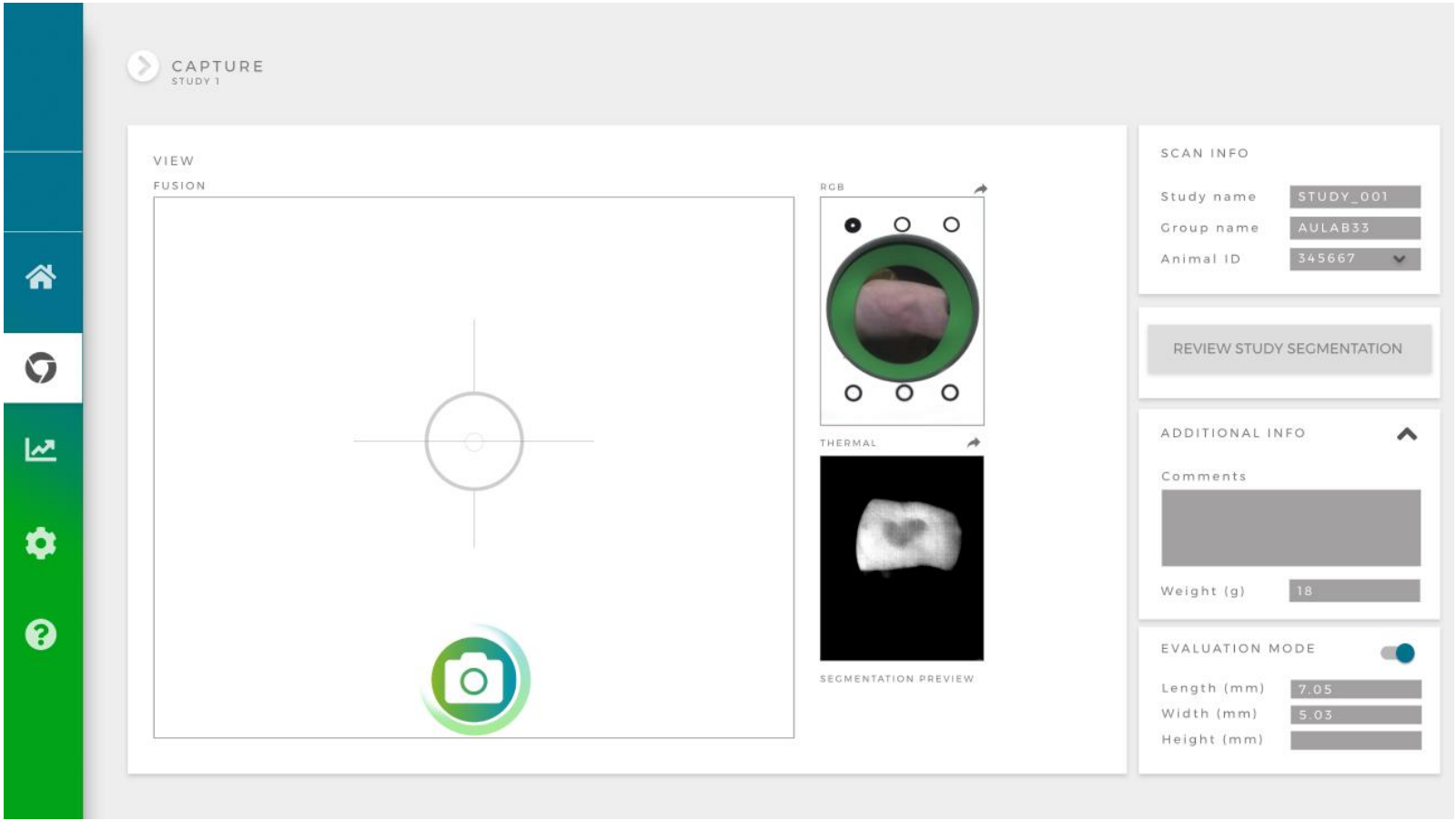
BioVolume Home screen



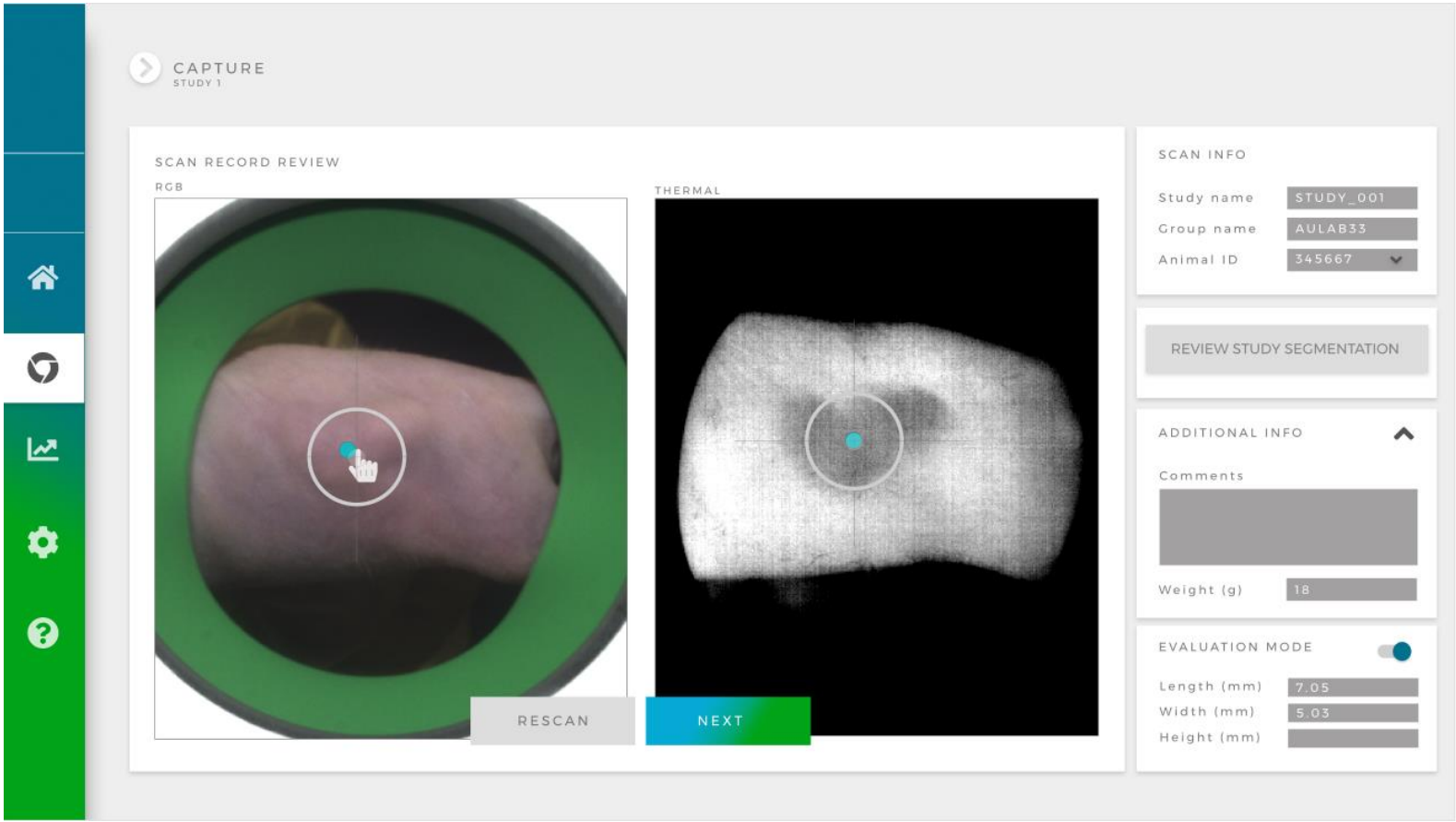
BioVolume Capture screen



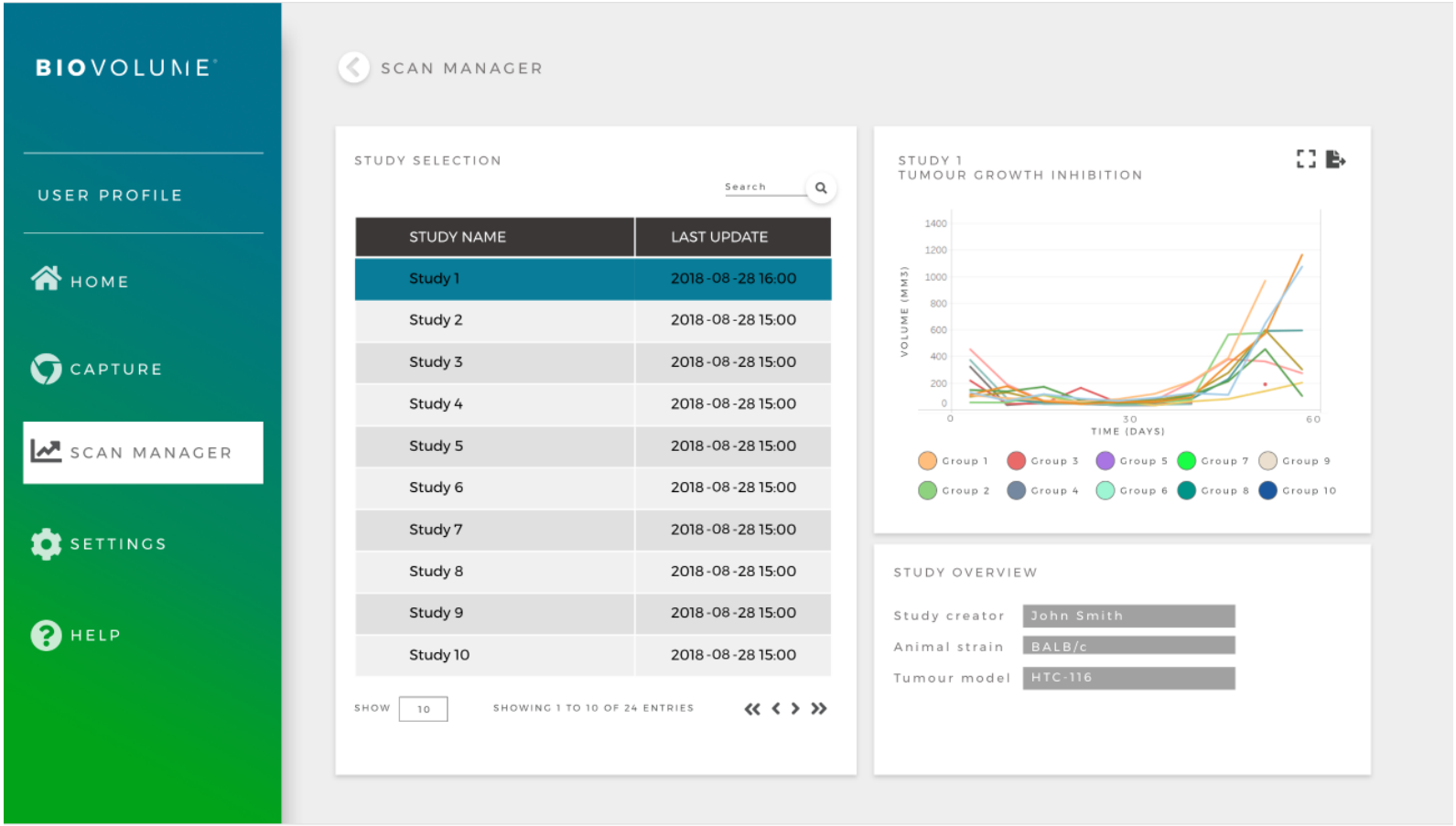
BioVolume Capture screen



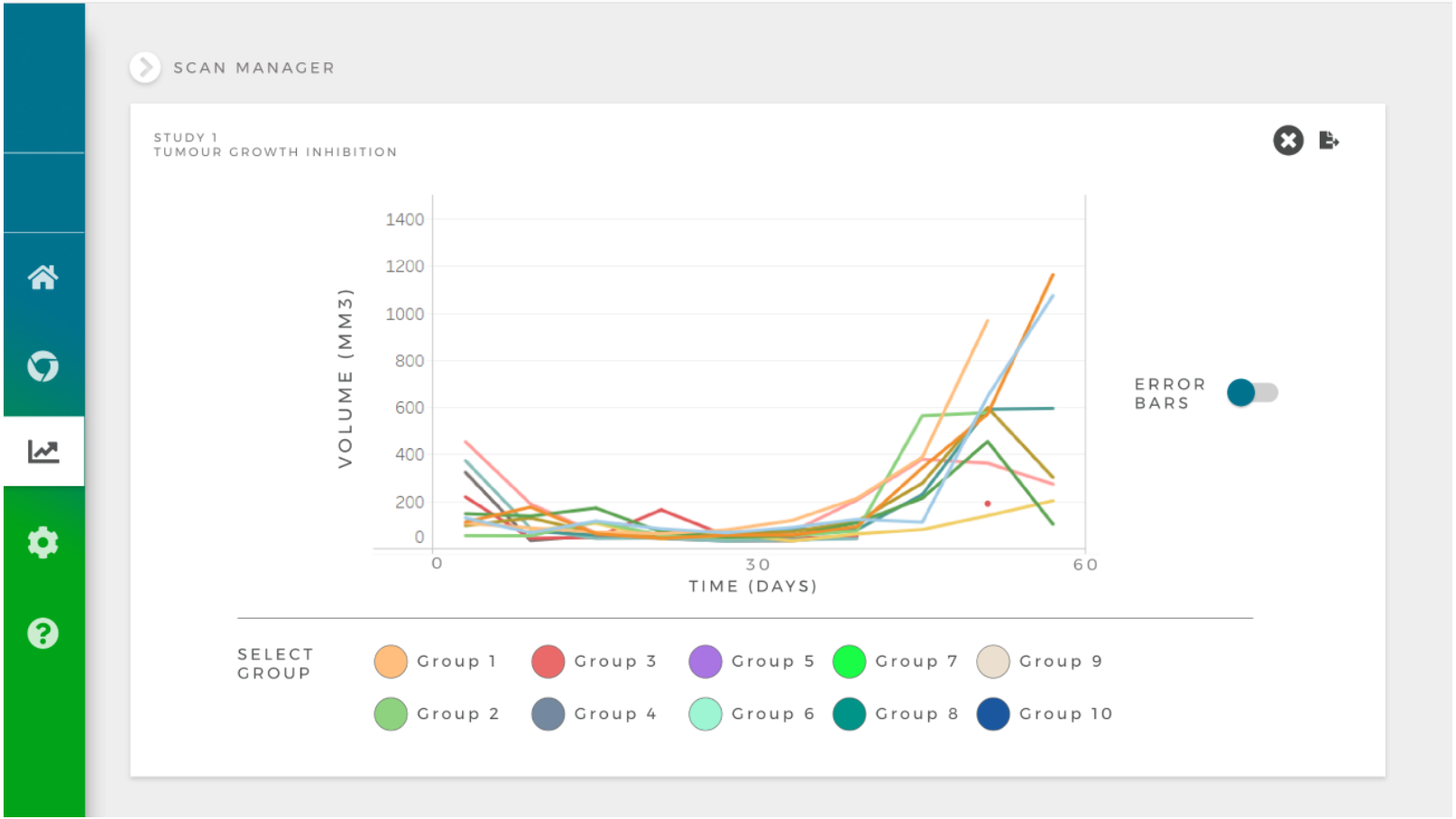
BioVolume Scan review screen



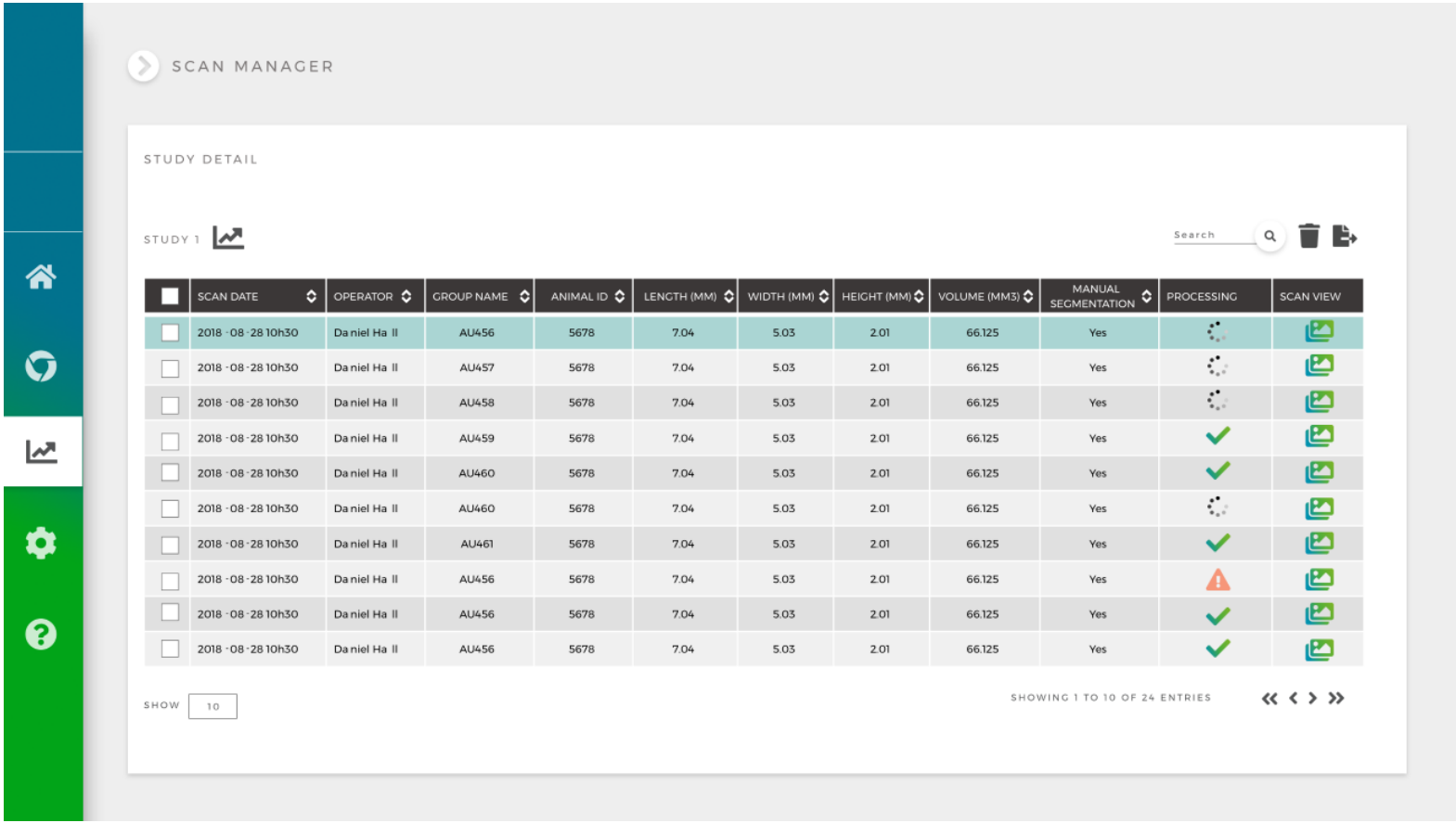
BioVolume Scan Data Manager Primary table screen



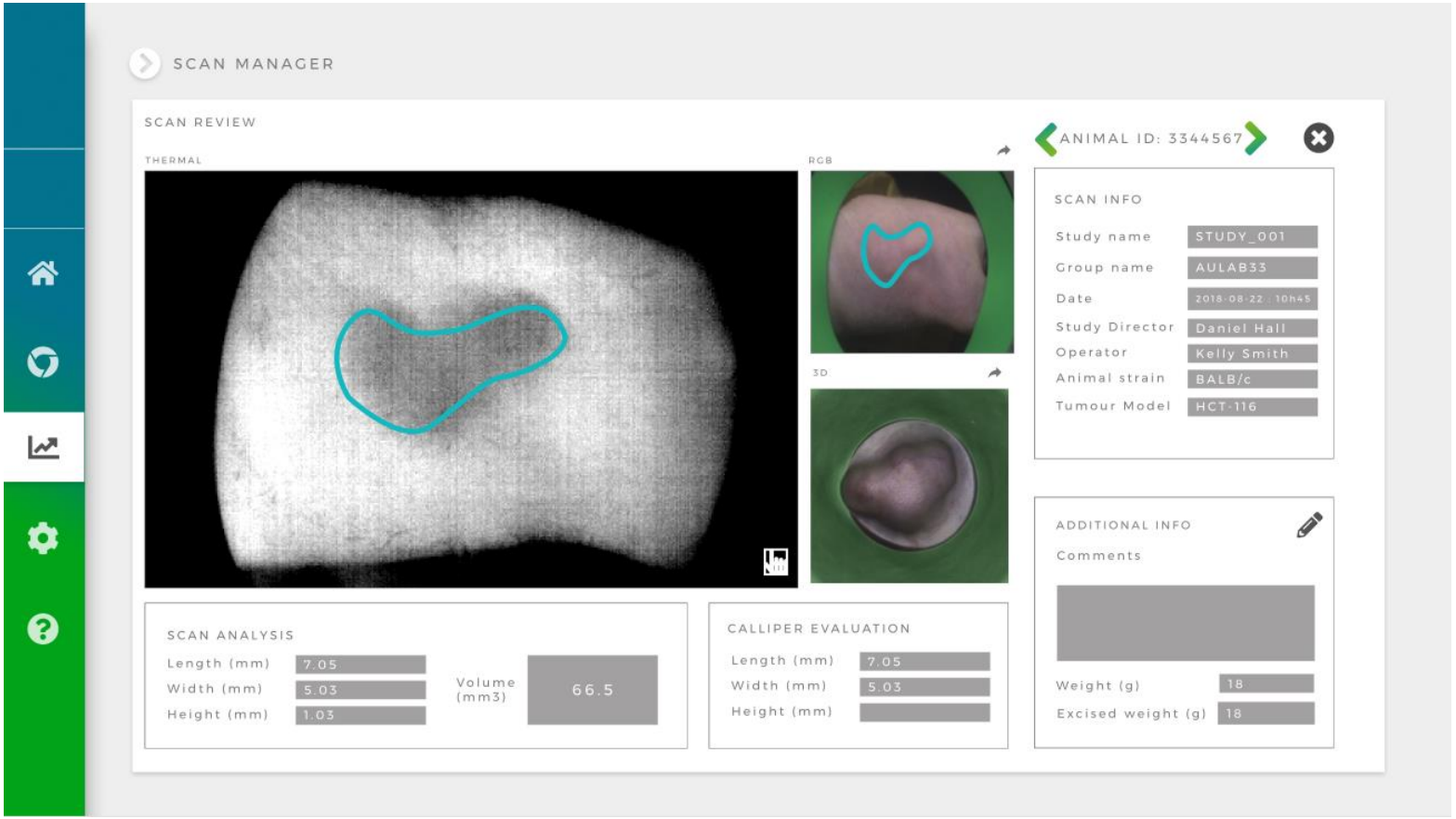
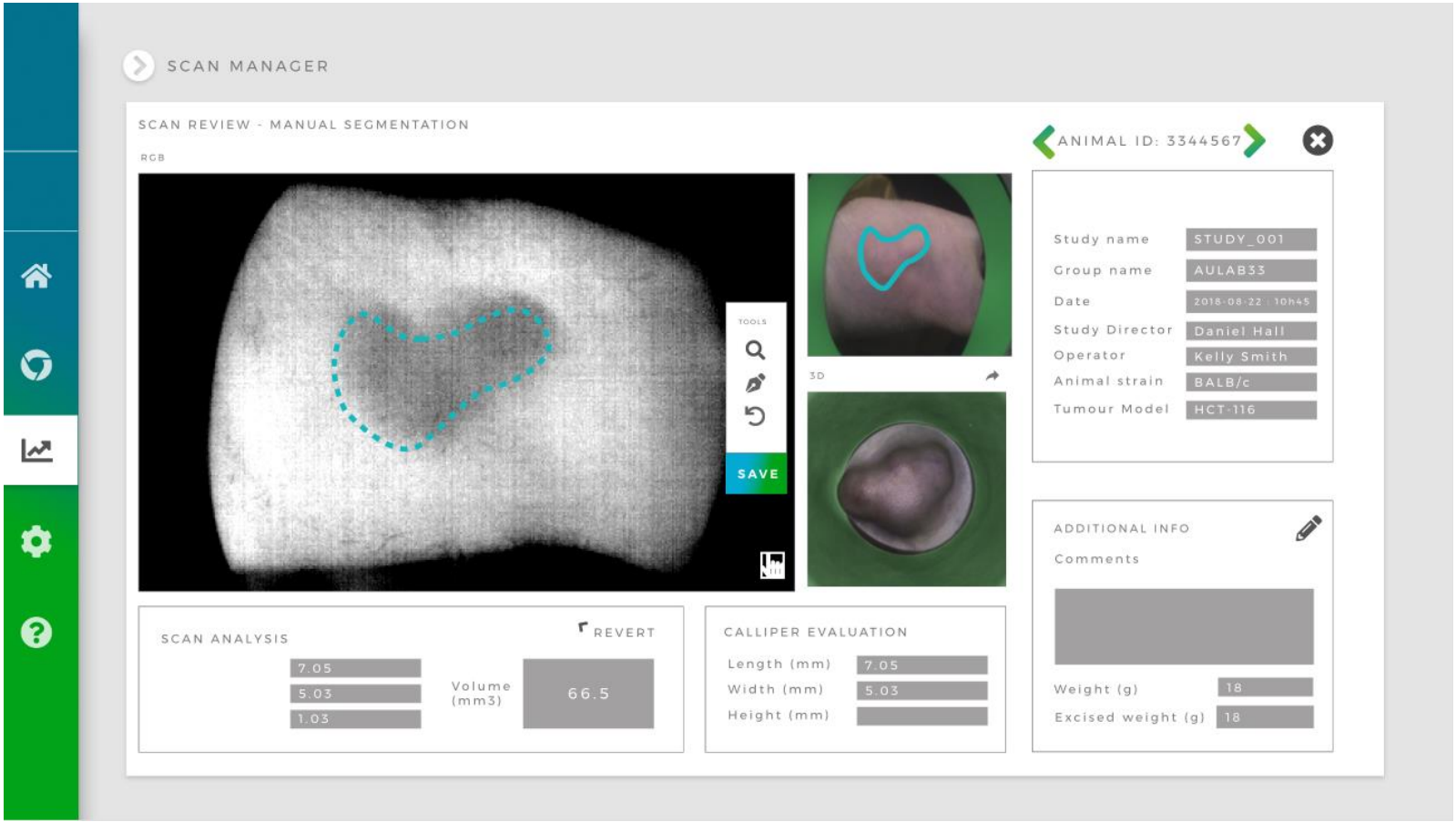
BioVolume Scan Data Manager Graph view



BioVolume Scan Data Manager Details table screen



BioVolume Scan Data Manager Scan Details view



BioVolume Scan Data Manager Edit scan segmentation enable