



Functional Specifications Document

Feb 2021

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1. Introduction

GrowSafe's Systems (now acquired by Vytelle) have historically revolved around the on-site client computer. It is through this fixed terminal that a client accesses real-time information such as animal performance and system status. Data is provided by the client to GrowSafe via email, and analytics reports are provided by GrowSafe to the client through the same medium.

As the leading data provider in the industry, GrowSafe is looking to move its data-interaction with its customers to a responsive web app which is optimized for desktop, tablets, and mobile.

This document outlines the functional specifications for the responsive web application for GrowSafe's customers.

2. Users

- 2.1. Customer Admin
- 2.2. Manager
- 2.3. Worker

Feature	Customer Admin	Manager	Worker
Beef Genetics Program			
Dashboard	Complete Data	Data of Assigned Locations	Data of Assigned Locations
Create New Trials	Yes (All Locations)	Yes (Assigned Locations)	No
Edit Trials	Yes	Yes	No
View List of Trials	Yes (All Locations)	Yes (Assigned Locations)	Yes (Assigned Locations)
Archive & Mark Animals in a Trial	Yes	Yes	Yes
Edit Trial Animal Info	Yes	Yes	Yes
Complete Trial Action Items	Yes	Yes	Yes
Trial Notes	Yes	Yes	Yes
Beef Marketing Program			
Dashboard	Complete Data	Data of Assigned Locations	Data of Assigned Locations

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View Actions Items	Yes	Yes (Assigned Locations)	Yes (Assigned Locations)
Complete Action Items	Yes	Yes	Yes
View All Animals	Yes	Yes (Assigned Locations)	Yes (Assigned Locations)
Archive & Mark Animals	Yes	Yes	Yes
Import Animals	Yes	Yes	No
Edit Animal Summary	Yes	Yes	Yes
View All Pens	Yes	Yes (Assigned Locations)	Yes (Assigned Locations)
Others			
View List of Users	Yes	No	No
Add Users	Yes	No	No
View User Details	Yes	yes	No
Edit User	Yes	Yes	No
Mark User as Inactive	Yes	Yes	No
View Locations	Yes	Yes	No
Change Weight Metric in Settings	Yes	Yes	Yes
View Locations in Dropdowns & Filters on Different Screens (Example: Dashboard, List of Trials, etc)	All Locations	Assigned Locations	Assigned Locations

3. Features

3.1. User Onboarding

3.1.1. Role: Customer Admins

1. Customer Admins will be created by Vytelle using their existing system.
2. After a Customer Admin is created, Vytelle will share the credentials with Customer Admins.

3.1.2. Role: Managers and Workers

1. Manager and worker accounts will be created by Customer Admins using the app.
2. After a manager or worker's account is created, the user will receive an email with:
 - a. Link to access the web application
 - b. Credentials
3. Email Template:
 - a. Sender's Name: Vytelle
 - b. Sender's Email ID: To be decided by Vytelle
 - c. Email Subject Line: Invitation to use Vytelle's App
 - d. Body:

Header Image
Hi [First Name],
Your account with Vytelle has been created successfully by [Customer Admin's Name] of [Company's Name].
To get started, please follow these steps:
<ol style="list-style-type: none">1. Access Vytelle's Web App using the link below: www.[inserturl].com2. Sign in using the following credentials: Email: [user's email ID] Password: [random password]3. After you sign in, you will be asked to change your password.
If you have any questions regarding the web app, please contact us and we would be happy to help.

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Regards,
Customer Support
Phone: +1 (866) 620-3015
Vytelle

3.2. Login

The image is a composite of two screenshots. On the left, there's a photograph of a cattle loading area with several dark-colored cattle in pens, a sign that says 'GS1', and a 'Watch Now' button at the bottom. Overlaid on this image is the text 'Webinar Series: Accelerating Efficiency Together' and 'Learn how to achieve efficiency, profitability, and sustainability with Vytelle.' On the right, there's a screenshot of the Vytelle login page. It features a red and orange logo at the top, followed by the 'Vytelle' brand name with a checkmark icon. Below that is a 'LOGIN' section containing fields for 'Email Address' and 'Password', a 'Forgot Password?' link, and a large orange 'Login' button.

This image is similar to the one above, showing the same composite of a cattle loading area on the left and a Vytelle interface on the right. The left side shows cattle in pens with a 'Watch Now' button. The right side shows the 'RESET YOUR PASSWORD' section of the Vytelle interface, which includes fields for 'New Password' and 'Confirm Password', and an orange 'Save' button. At the bottom right of the interface, there is a link '← Back To Login'.

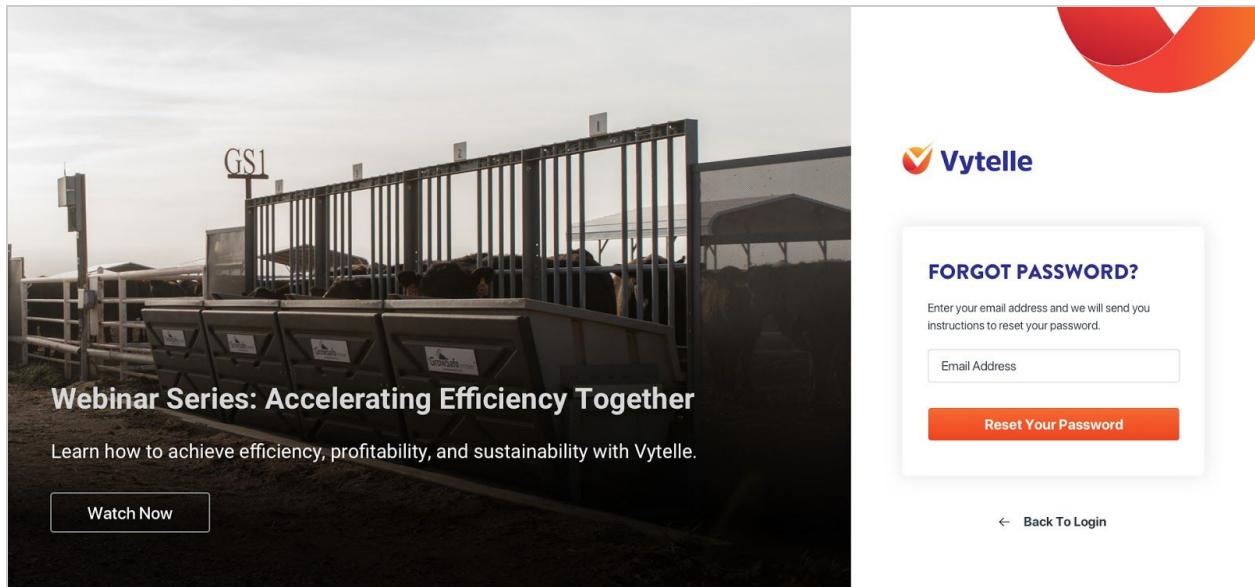
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1. Users will login using their email and password.
2. If it's a user's first login, he will be asked to change his password. After the password is changed a user will land on the application's dashboard.
3. After successful login, a user will land on the application's dashboard.
4. Success message: 'Your password has been changed successfully.'
5. Users can log out from the app using the Logout option.
6. When a user logs out of the app, he is redirected to the app's login screen.
7. If a user clicks on the Watch Now button, a new tab will open so a user can watch the [webinar series](#).

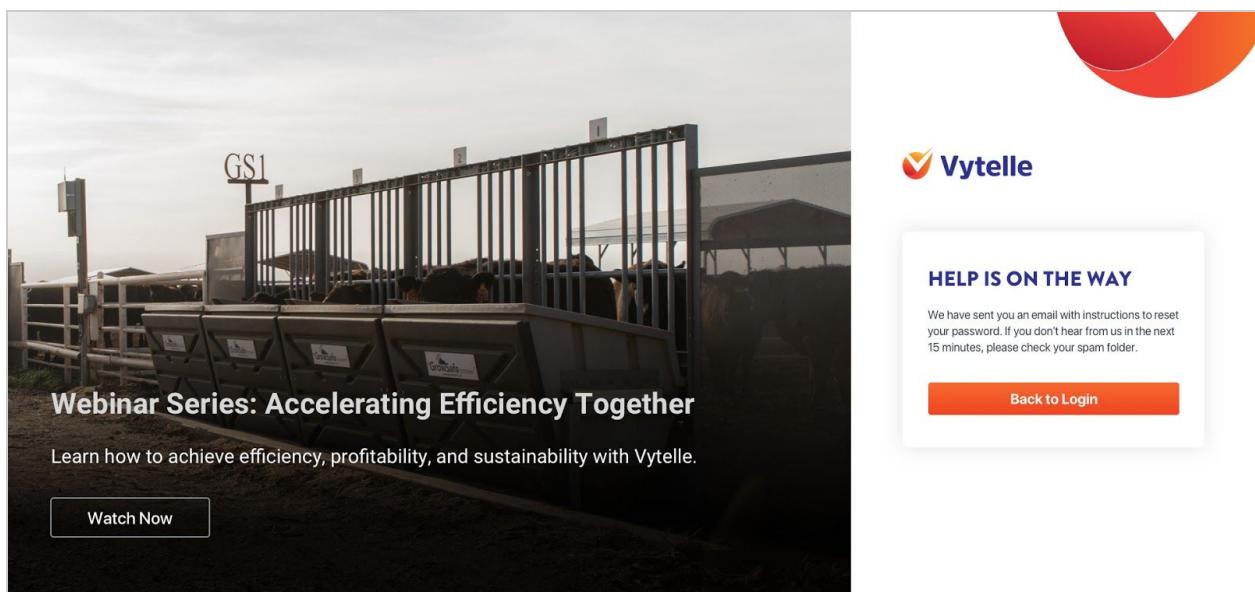
Field Name	Type	Validation	Required	Error Message
Email Address	Email	NA	Yes	Required (in case the user leaves empty) Invalid email ID.
Password	Alphanumeric	<ol style="list-style-type: none">1. Must be encrypted2. Must show only in the form of asterisks.3. Must not exceed 15 characters4. Must be at least 8 characters Must be case sensitive5. Should contain a Show Password option	Yes	Required (in case the user leaves empty) Login Failed. Invalid password.

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3.3. Forgot Password



The screenshot shows a mobile device displaying the Vytelle login screen. The background image is of cattle in a pen. The top right corner features the Vytelle logo. Below it is a "FORGOT PASSWORD?" button. A text input field for "Email Address" is present, followed by a red "Reset Your Password" button. At the bottom left is a "Watch Now" button, and at the bottom right is a "Back To Login" link.



The screenshot shows a mobile device displaying a confirmation message. The background image is of cattle in a pen. The top right corner features the Vytelle logo. Below it is a "HELP IS ON THE WAY" message. A text block states: "We have sent you an email with instructions to reset your password. If you don't hear from us in the next 15 minutes, please check your spam folder." At the bottom right is a "Back to Login" button.

1. A user can click on the Forgot Password link on the login screen. When it's clicked, he will land on another screen to enter his email ID.
2. After the email ID is entered and the Reset button is clicked, a user will land on another screen with the message 'Help is on the Way'.
3. Password reset email will be sent to the user on his email ID.

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4. Reset password link will expire after 24 hours.
5. The link will not work again after it has been used for password reset.
6. Success message: 'Your password has been changed successfully.'
7. Email Template:
 - a. Sender's Name: Vytelle
 - b. Sender's Email ID: To be decided by Vytelle
 - c. Email Subject Line: Reset Your Password - Vytelle
 - d. Body:

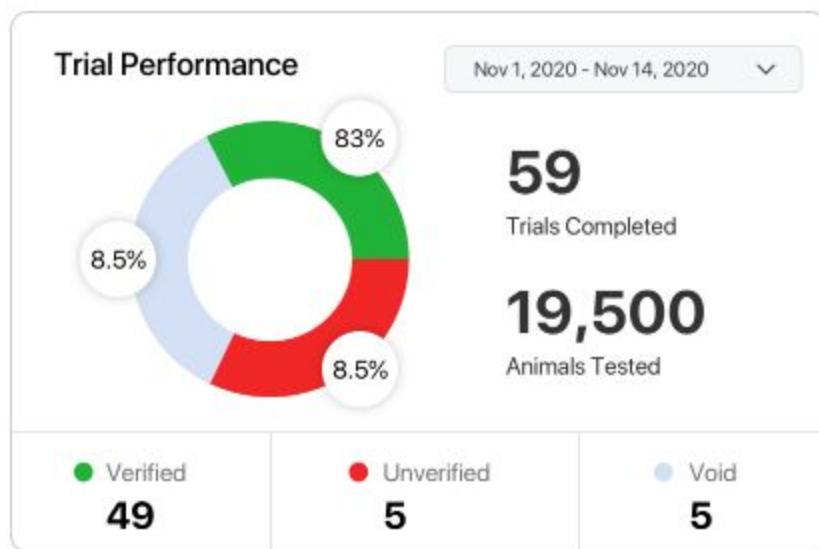
Header Image
Hi [First Name],
You can reset your password by clicking the button below. For increased security, this password reset link will expire 24 hours after it was sent.
[Reset Password Button]
Regards, Customer Support Phone: +1 (866) 620-3015 Vytelle

3.4. Dashboard

3.4.1. Dashboard - Beef Genetics Program

1. This dashboard will only be visible to customers of Beef Genetics Program
2. Users will be able to filter the charts by location using the dropdown. In the dropdown, a user will only see the locations that are assigned to him.
3. Location filter will be applied on the following:
 - a. Trial Performance
 - b. Trial Animal Flags
 - c. Recent Trials
4. If the filter is not selected, a user will see consolidated data for all the locations assigned to him.

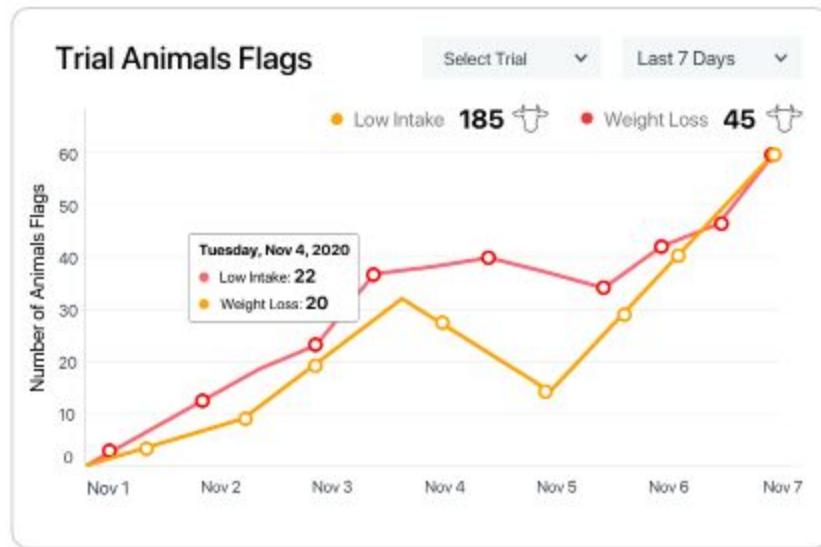
Trial Performance



1. User will be able to select the following date ranges:
 - a. Last 6 Months (Default)
 - b. Last 12 Months
 - c. Last 18 Months
 - d. Custom Date Range
 - i. Users will not be able to select a future date
2. Users will be able to see the total number of trials completed during the selected date range
3. Users will be able to see the total number of animals tested i.e. the total active animals that appeared in trials that have been completed.
4. Users will be able to see the total number of verified, unverified, and void trials based on the date range selected.
5. The doughnut chart will display percentages of verified, unverified, and void trials.

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Trial Animal Flags



1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Custom Date Range
 - i. Users will not be able to select a future date
2. Users will be able to select a trial from the list to see the numbers specific to that trial. The list will be filtered based on the location filter applied on the dashboard.
3. If the selected location doesn't have GSB hardware, the chart for Weight Loss specific numbers and line will be hidden.
4. If the type of trial selected is Feed Intake Only or Feed Efficiency with Chute Weights, the chart for Weight Loss specific numbers and line will be hidden.
5. Chart:
 - a. Users will be able to see the total number of flags raised for Low Intake and Weight Loss
 - b. Circle markers will be hidden if the selected date range exceeds 45 days
 - c. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date

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- ii. Low Intake
- iii. Weight Loss

6. X-Axis:

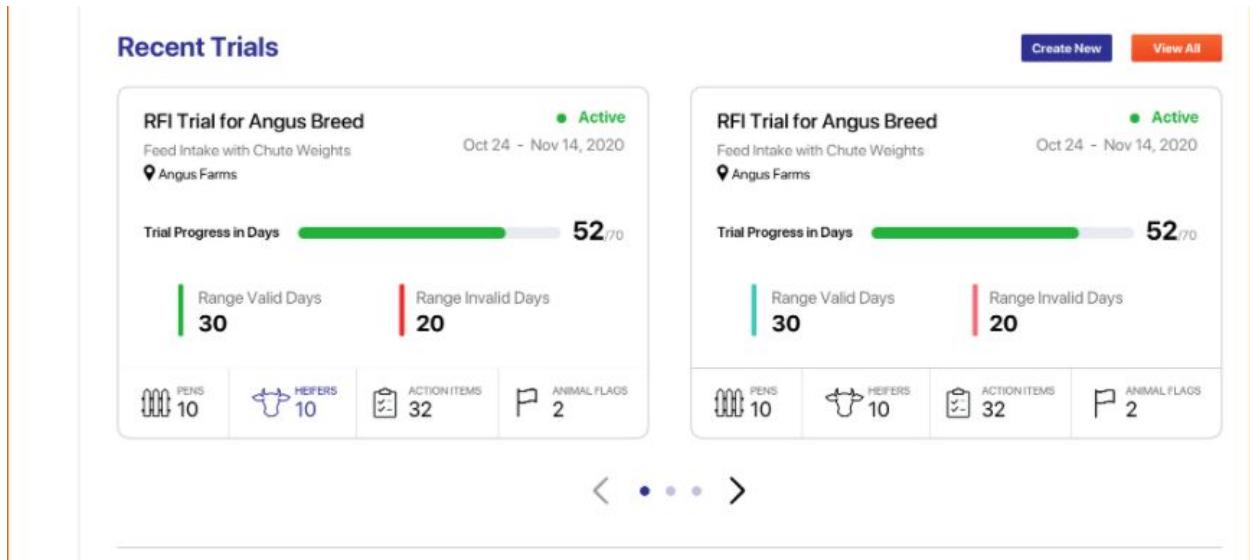
- a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
- b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
- c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
- d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
- e. Display more months accordingly
- f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020

7. Y-Axis: Animal Flags

- a. Default intervals
 - i. 0
 - ii. 10
 - iii. 20
 - iv. 30
 - v. 40
 - vi. 50
 - vii. 60
- b. The intervals will change dynamically based on data range

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Recent Trials



1. Users will see 6 recent trials. Pending, Active, and Completed Trials will be displayed here.
2. Users will see trials associated with locations that they are assigned to.
3. If a location filter is applied on the main dashboard, trials for that location will be displayed here.
4. Users can click the left and right arrow or navigation dots to move between recent trials.
5. Users will click on a trial to see trial details.
6. Pens, Animals, Action Items, and Animal Flags on a trial's card are clickable. On hover, the color changes from black to purple.

3.4.2. Dashboard - Beef Marketing Program

1. This dashboard will only be visible to customers of Beef Marketing Program
2. Users will be able to filter the charts by location using the dropdown. In the dropdown, a user will only see the locations that are assigned to him.
3. Location filter will be applied on the following:
 - a. Animal Performance
 - b. Marketing Forecast

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- c. Data Submission Status
 - d. Animal Flags
 - e. Top Pens by Animal Flags
 - f. Recent Action Items
4. If the filter is not selected, a user will see consolidated data for all the locations assigned to him.

Animal Performance



1. By default the date will be set to Yesterday. Users can select another date using the date picker.
2. By default the pen with the highest number of Weight Loss will be pre-selected. Users can use the dropdown to change the pen.
3. If the location filter is already applied, the pen filter will display a filtered list of pens.
4. The selected date will be displayed on the x-axis. The graph will show a trend of avg. weights for 7 days before and after the selected date. The selected date will be in the center of the graph.
5. The y-axis shows Average Animal Weight.
6. Users will be able to see the total number of animals, avg. weight, avg. days on feed, and weight loss flags raised for the selected pen on the selected date.

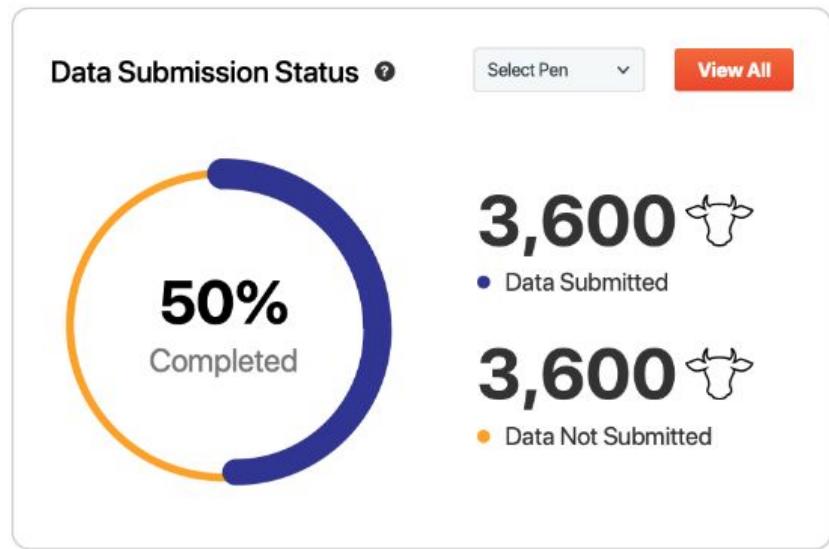
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Marketing Forecast



1. Users will be able to see the current date and associated marketing forecast.
2. The pen with the minimum Time to Market will be selected by default. Users can use the dropdown to change the selected pen.
3. The dropdown will show a filtered list of pens if the location filter is applied.

Data Submission Status



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1. Users will be able to see the percentage of animals with data status as submitted
2. Users will be able to see the total number of animals with data status as submitted or unsubmitted
3. Users can filter the data by Pen. If the location filter is applied, the pen filter will display a filtered list of pens.
4. Users can click on the View All button to see a list of animals with a preset Data Not Submitted filter.

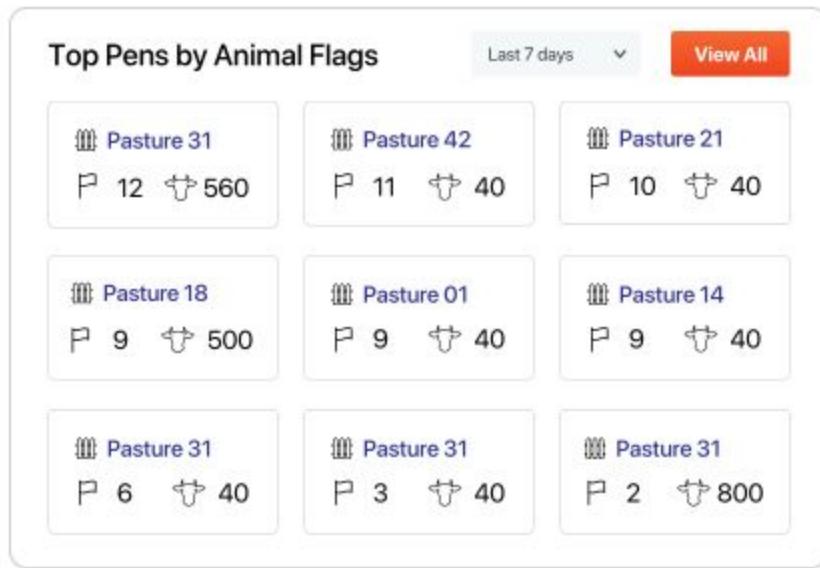
Animal Flags



1. Users can see animal flags in the last 48 hours
2. In the radial chart, a user can see the total number of animals.
3. User can see the total number of animals that haven't appeared on GrowSafe Beef hardware in the last 48 hours
4. Users can see the total number of animals that have lost their weight in the last 48 hours.
5. Users can see the total number of animals that have shown poor weight gain performance in the last 48 hours.
6. If location filtered is applied on the main Beef Marketing program dashboard, a user will see the numbers for that location only.
7. Users can filter the chart by pen. If the location filter is applied, the user will see a filtered list of pens.

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Top Pens by Animal Flags



1. Users will be able to see Top Pens by Animal Flags. If the location filter isn't applied, users will see all the pens.
2. Users can see the number of animals and animal flags in a pen
3. Users can click on the View All button to see the list of pens
4. Users can filter the list by date:
 - a. Today
 - b. Yesterday
 - c. Last 7 Days (Default)
 - d. Last 30 Days

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Recent Action Items

The screenshot shows a section titled "Recent Action Items" with a "View All" button. Below are five items, each consisting of a title, a switch, an icon, and some text. The items are identical, showing "Sticky Scales Procedure" with a switch, a F310 icon, a scale icon, and the date range "15, 16, 17".

Sticky Scales Procedure	Switch	F310	Scale	15, 16, 17
Sticky Scales Procedure	Switch	F310	Scale	15, 16, 17
Sticky Scales Procedure	Switch	F310	Scale	15, 16, 17
Sticky Scales Procedure	Switch	F310	Scale	15, 16, 17
Sticky Scales Procedure	Switch	F310	Scale	15, 16, 17

1. Users will be able to see recent Action Items for the Beef Marketing program.
2. Users can click on an action item to see its details.
3. Users can mark/unmark an action item as complete.
4. Users can click on the View All button to see the list of all action items.

3.5. Beef Genetics Program (Trials)

Main Navigation for customers using only the Beef Genetics Program:

1. Dashboard
2. Trials
3. Trial Notes
4. Users
5. Locations
6. Settings
7. Logout

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3.5.1. Create New Trial

3.5.1.1. Step 1: Trial Information

The screenshot shows the 'Create a New Trial' interface. On the left is a vertical sidebar with icons for Home, Trials, Locations, Pens, Animals, Customers, and Help. The main area has a header 'Create a New Trial' and 'Step 1: Trial Information'. The 'Trial Details' section contains fields for 'Trial Name *' (text input 'ENTER TRIAL NAME'), 'Select Location *' (dropdown 'ANGUS FARMS'), and 'Select Pens *' (button 'SELECT' with a list of pens: PASTURE 130, F310, F310, F310, F310, F310, F310). The 'Animal Details' section contains fields for 'No. of Animals *' (dropdown '1'), 'Select Sex *' (dropdown 'HEIFER'), and 'Select Similar Breeds *' (button 'SELECT' with a list of breeds: Angus, Black Angus, Red Angus). At the bottom are buttons for 'Cancel', 'Save As Draft', and 'Next'.

1. Customers will be able to enter trial name.
2. Customers will be able to select a trial's location. Single location can be selected.
3. In the dropdown, a customer will see only those locations that he is assigned to.
4. Customers will be able to select pens for the trial. The list of pens in the drop-down will appear based on the location selected.
5. The dropdowns for pen will be enabled only after Location is selected.
6. Customers can mention the number of animals that will be in the trial.
7. Customers can select sex of the animals to be in the trial using a dropdown. Options below should appear based on the customer's cattle type i.e Beef, Sheep, Goat:
 - a. Heifer (Cattle Type: Beef)
 - b. Steer (Cattle Type: Beef)
 - c. Cow (Cattle Type: Beef)
 - d. Bull (Cattle Type: Beef)
 - e. Ram (Cattle Type: Sheep)

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- f. Ewe (Cattle Type: Sheep)
 - g. Lamb (Cattle Type: Sheep)
 - h. Billy (Cattle Type: Goat)
 - i. Doe (Cattle Type: Goat)
 - j. Kid (Cattle Type: Goat)
8. Customers can select multiple breeds in the trial.
- a. Akaushi, Angus, Balancer, Beefbooster, BeefFriesan, BeefMaster, Blue-E, Brahman, Brangus, Braunvieh, British Blue, Charolais, Cross breed, Gelbvieh, Hereford, Holstein, Ile de France, Jersey, Kalmaq, Limflex, Limousin, Lowline, Maine Anjou, Mixed, Murray Grey, Nelore, Not listed, Optimizer, Piedmontese, Pinzgauer, Qazaq Aqbas, Red Angus, Salers, Santa Gertrudis, Shorthorn, SimAngus, Simmental, South Devon, Stabiliser, Wagyu
9. Customers can discard the trial by clicking on the cancel button. When clicked:
- a. A confirmation pop-up will appear giving the customer an option to choose either Yes or No.
 - b. If a customer selects Yes, the trial will be discarded and the customer will land on the list of trials screen.
10. Customers can save the trial as draft. When clicked, the customer will see the pop-up message for 2 seconds:
- a. Trial saved as draft successfully
 - b. Customers will land on the list of trials
 - c. The status of the trial will be 'Draft'
11. Customers will click on the next button to move to Step 2.

Field Name	Type	Length	Required	Error Message
Trial Name	Alphanumeric	50 characters	Yes	Required (If left empty)
Tooltip: Name your trials to easily recall them later				
Location	Single Select		Yes	Required (If left empty)
Tooltip: Select a location where you want to conduct your trial				
Pens	Multi Select Searchable Dropdown		Yes	Required (If left empty)
Tooltip: Select pens where you want to conduct your trial				
No. of Animals	Numeric		Yes	Required (If left empty)
Tooltip: Total number of animals in your trial				

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Select Sex	Single Select		Yes	Required (If left empty)
Tooltip: Sex of animals in the trial				
Select Similar Breeds	Multi Select Searchable Dropdown		Yes	Required (If left empty)
Tooltip: Animals must be of the same or similar breed				

3.5.1.2. Step 2: Trial Settings

The screenshot shows the 'Create a New Trial' interface with the title 'Step 2: Trial Settings' at the top right. On the left, there is a vertical sidebar with various icons. The main area contains several configuration sections:

- Trial Type & Duration:** Shows 'FEED EFFICIENCY - CHUTE WEIGHTS' selected for Trial Type. Warm up Start Date is set to 'SELECT DATE', Warm up Duration is '10 DAYS (RECOMMENDED)', and Trial Duration is '70 DAYS (RECOMMENDED)'. A note indicates the trial will start on Sun, Oct 17, 2020.
- System Calibration Check:** This section is currently empty.
- Feed Intake:** Fields for Weight, Date, Start Time, and End Time are all marked as required (*). Each field has a dropdown menu labeled 'SELECT WEIGHT', 'SELECT DATE', 'SELECT TIME', and 'SELECT TIME' respectively.
- GrowSafe Beef:** Similar to the Feed Intake section, with fields for Weight, Date, Start Time, and End Time marked as required (*).
- System Inspection Checklist:** A list of items to be checked:
 - Select All
 - Inspect inside of the computer for excessive dust
 - Vertical and horizontal head bars are installed correctly for the cattle size
 - Troughs are clean and empty
 - Feed under and around the load cells has been cleaned
 - Damaged equipment has been replaced
- Note for Technical Services Representative:** A text input field for notes.

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The screenshot shows a user interface for entering a note. At the top, it says "Note for Technical Services Representative". Below that is a large text input field with the placeholder "Enter note". To the right of the input field, it says "500 Characters Left". At the bottom of the interface are four buttons: "Back", "Cancel", "Save As Draft" (which is highlighted in blue), and "Submit".

A- Trial Type and Duration:

1. Customers can select trial type and duration.
2. The options in the Trial Type drop-down will appear based on the location selected in Step 1.
 - a. If the location selected has only the Feed Intake hardware, the customer will see the following options in the dropdown:
 - i. Feed Intake
 - ii. Feed Efficiency with Chute Weights
 - b. If the location selected has both the Feed Intake as well as GSB hardware, the customer will see the following options in the dropdown:
 - i. Feed Intake
 - ii. Feed Efficiency with Chute Weights
 - iii. Feed Efficiency with GSB Weights
3. Customers can select a warmup date. Customers can't select a past date.
4. Customers can select the number of days from the dropdown to set Warmup Duration. Trial Start Date will appear based on Warmup Duration selected.
5. 10 days will be pre-selected as it's the recommended duration for Warmup.
6. Customers can see the following options in the Warmup Duration dropdown:
 - a. 10 days (Recommended)
 - b. 11 days
 - c. .
 - d. .
 - e. 25 days

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7. Just like Warmup Duration, Customers can also select the number of days from the dropdown to set Trial Duration. Trial End Date will appear based on the Trial Duration selected. Dropdown range for different trial types:

Feed Intake	Feed Efficiency with Chute Weights	Feed Efficiency with GSB
1. 35 days (Recommended) 2. 36 days 3. . 4. . 5. 60 days	1. 70 days (Recommended) 2. 71 days 3. . 4. . 5. 110 days	1. 49 days (Recommended) 2. 50 days 3. . 4. . 5. 70 days

8. Days for Trial Duration will be pre-selected based on Trial Types. Below are the recommended number of days for Trial Duration based on each Trial Type:

- a. Feed Intake: 35 days
- b. Feed Efficiency with Chute Weights: 70 days
- c. Feed Efficiency with GSB Weights: 49 days

B- System Calibration Check:

If the trial type is Feed Intake or Feed Efficiency with Chute Weights:

1. Customers will do a calibration check for only Feed Intake hardware.
2. Feed Intake
 - a. Customers will enter weight for Feed Intake system's calibration check.
 - b. Customers will select the date, start time and end time. Customers can't select past date or time.

If the trial type is Feed Efficiency with GSB Weights:

1. Customers will do calibration checks for both Feed Intake and GSB hardware.
2. Heading 1: Feed Intake
 - a. Customers will enter weight for system calibration check.
 - b. Customers will select the date, start time and end time. Customers can't select past date or time.
3. Heading 2: GrowSafe Beef
 - a. Customers will enter weight for system calibration check.

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- b. Customers will select the date, start time and end time. Customers can't select past date or time.

C- System Inspection Checklist:

1. If the Trial Type is Feed Intake or Feed Efficiency with Chute Weights, then the checklist items in the current design above will be used.
2. If the Trial Type is Feed Efficiency with GSB, then the following checklist items will be added in the checklist:
 - a. Manure buildup has been checked
 - b. Water filter has been replaced
 - c. Water Bowl has been cleaned
 - d. Restriction bars have been checked
 - e. Scale calibration has been checked and range has been read
 - f. Paint canister has been replaced
 - g. Animal marking unit has been checked

D- Note for Technical Services Representative

1. Customers will be able to leave notes for Vytelle's TSR

E- Action Buttons:

1. Customers can click on the back button to go to step 1. If they go back to step 1, the information filled in Step 2 will be saved automatically.
2. Customers can discard the trial by clicking on the cancel button. When clicked:
 - a. A confirmation pop-up will appear giving the customer an option to choose either Yes or No.
 - b. If a customer selects Yes, the trial will be discarded and the customer will land on the list of trials screen.
3. Customers can save the trial as draft. When clicked, the customer will see the pop-up message for 2 seconds:
 - a. Trial saved as draft successfully
 - b. Customers will land on the list of trials
 - c. The status of the trial will be 'Draft'
4. Customers will click on the Submit button to create the trial. When submitted:
 - a. Customers will see the pop-up message for 2 seconds: Trial created successfully.
 - b. Customers will land on the list of trials
 - c. The status of the trial will be 'Pending' until it's approved by Vytelle's Technical Sales Representative.

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5. Every trial will have a unique trial ID. Trial ID will be an incremental number starting from 1001.

Field Name	Field Type	Length	Required	Message
Trial Type and Duration				
Trial Type	Single Select		Yes	Required (If left empty)
Warmup Start Date	Date Picker		Yes	Required (If left empty)
Warmup Duration	Single Select		Yes	Required (If left empty)
Trial Duration	Single Select		Yes	Required (If left empty)
System Calibration Check				
Weight (Feed Intake Hardware)	Numeric		Yes	Required (If left empty)
Tooltip: Place 50 pounds in every trough for 15 seconds.				
Weight (GSB Hardware)	Numeric		Yes	Required (If left empty)
Tooltip: Place 100 pounds in every position for 15 seconds.				
Start Date & Time	Date and Time Picker		Yes	Required (If left empty)
End Date & Time	Date and Time Picker		Yes	Required (If left empty)
System Inspection Checklist				
System Inspection Checklist	Checklist		Yes	Required (If left empty)
Note for Technical Service Representative				
Enter Note	Alphanumeric	500 characters	Yes	Required (If left empty)

Vytelle – Functional Specifications Document

3.5.2. Trial Details

3.5.2.1. Trial Summary

The screenshot shows a user interface for managing a trial. On the left, there is a vertical sidebar with icons for different features: Home, Settings, Pens, Nodes, Animals, Action Items, and Help. The main area has a title "RFI Trial for Angus Breed" and a subtitle "Feed Intake with Chute Weights". A red "Edit" button is located in the top right corner. Below the title, there are tabs for "Summary", "Pens", "Nodes", "Animals", and "Action Items". The "Summary" tab is selected. The summary table contains the following data:

Trial ID	Trial Name	Trial Type	Trial Location
FEED-123	RFI TRIAL FOR ANGUS BREED	FEED INTAKE WITH CHUTE WEIGHTS	ANGUS FARM
Total Pens	Sex	Breed	Status
8	HELTER	BLACK ANGUS AND 2 MORE	PENDING
Warm up Start Date	Warm Up Duration	Trial Start Date	Trial End Date
DEC 08, 2020	10 DAYS	DEC 08, 2020	DEC 08, 2020
Trial Duration	Trial Progress	Range Valid Days	Range Invalid Days
35 DAYS	25 DAYS	20-25 DAYS	5-15 DAYS
Animal Selected	Animal Appeared	Total Animal Flags	Total Action Items
50	45	50	8

Below the table, there is a section titled "Note for Vytelle's TSR" with a text input field containing "Enter note" and a character limit of "500 Characters Left".

1. A user can see the summary of a trial.
2. A user can edit a trial only if the status of the trial is pending. A user will not be able to edit a trial after it has been started by Vytelle's TSR from his existing app.
3. If a user clicks on the Edit button, he will land on the same screen which is used for creating a new trial.
4. The table below explains the field mentioned in the summary:

Field Name	Details
------------	---------

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Trial Name	Input by a user when a trial is created
Trial Location	Location selected when a trial is created
Trial Type	Trial type selected by a user when a trial is created
Trial ID	System generated unique ID for each trial
Total Pens	Pens selected by a user when a trial is created
Sex	Sex selected by a user when a trial is created
Breeds	Similar breeds selected by a user when a trial is created
Status	Current status of a trial
Warmup Start Date	Date selected by a user when a trial is created
Warmup Duration	Duration selected by a user when a trial is created
Trial Start Date	System generated based on warmup date and duration.
Trial End Date	System generated based on trial start date and duration.
Trial Progress	Total number of days passed after a trial is started.
Range Valid Days	Range of valid days for all pens in a trial. For example, if valid days of 4 pens are 4, 5, 8, and 10, then range will be 4-10
Range Invalid Days	Range of invalid days for all pens in a trial
Animals Selected	Input by a user when a trial is created
Animals Appeared	Total unique animals appeared on Feed Intake or GrowSafe Beef hardware to date.
Total Animal Flags	<p>Total animal flags raised to date. Animal Flags include Low Intake, Weight Loss, and Poor Performance.</p> <p>Note: Weight Loss and Poor Performance are only relevant if the trial type is Feed Efficiency with GSB Weights. Only GrowSafe Beef hardware can capture this data.</p>
Total Action Items	Total action items raised to date. Actions Items are raised by Vytelle's TSRs using their existing system
Note for TSR	Input by a user when a trial is created

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3.5.2.2. List of Pens

The screenshot shows the 'Pens' tab selected in the navigation bar. The main content area displays a grid of pen cards. Each card contains the following information:

- Pen ID:** Pen F310
- Animals:** 10
- Invalid Days:** 04
- Progress Bar:** Shows 35/70 Days (green)
- Counters:** 17 Valid Days, 18 Invalid Days
- Buttons:** Done Days, Valid Days, Invalid Days, Animals, Health Alerts
- Search:** Search by Pen Name
- Details:** WARM UP DATE, START DATE, EXPECTED END DATE

The pen card for Pen F310 is highlighted with a red border, indicating it has an animal flag. The other seven pen cards in the grid are not highlighted.

1. Users will be able to see a list of pens in the selected trial. Initially 16 pens will be displayed. Infinite scroll will be used to display more pens.
2. Users will be able to see the total number of pens in the trial. The number will be updated based on filters and search applied.
3. If there is any animal flag in a pen in the last 48 hours, it will be highlighted with a red border.
4. Color of a pen's card changes to grey on hover.
5. Number of Animals and Animal Flags on a pen's card are clickable. On hover, the color changes from black to purple.
6. Users can sort the list by:
 - a. Done Days
 - b. Valid Days
 - c. Invalid Days
 - d. No. of Animals
 - e. Animal Flags
7. One click sorting will be used. Only one sorting option will be active at a time.
8. By default, the pens with the highest number of Animal Flags will be on the top.

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9. If a user clicks on the number of animals, he will see a list of animals in the trial with a preset filter for the pen already applied.
10. If a user clicks on the number of animal flags, he will see a list of animals in the trial with a preset filter for the pen and animal flags already applied.
11. Users can search for a pen using the pen's name.
12. Users can apply the following filters on the list:
 - a. Animal Flags
 - i. Yes
 - ii. No
13. Users can see the number of filters applied on the list. For example, if 2 filters have been applied, the user will see number 2 with the filter icon.
14. The table below explains the items in a pen's card:

Pen Card	Details
Pen F310	Pen Name. These pens are added by Vytelle when a new customer are onboarded.
Animals (Icon)	Total number of active animals in that pen
Animal Flags (Icon)	Number of animal flags raised in a pen since the trial started.
Radial Chart (35 / 70 Days)	35 is the total number of days since the trial started (Done Days) for that pen. It is also the total of Valid and Invalid Days. This number may be different for some pens.* 70 is the trial duration which is set when a new trial is created. Done days may exceed the total trial duration if there are too many invalid days in a trial.
Valid Days	Days marked as valid by Vytelle's TSR for that pen.
Invalid Days	Days marked as invalid by Vytelle's TSR for that pen.
Warmup Date	Warmup Start Date
Start Date	Trial Start Date. This number may be different for some pens.*
Expected End Date	Expected End Date will be different for different pens as different pens have different number of valid and invalid days.

***Note:** Usually the trial starts on the same day for all the pens in a trial. However, in some cases, it may start a couple of days later for one of the pens.

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3.5.2.3. Pen Details

   Johnny Tepes

RFI Trial for Angus Breed Feed Intake with Chute Weights

Summary Pens Nodes Animals Action Items

← Back to Pens ← →

Pen F310

WARM UP DATE Nov 24, 2020 START DATE Nov 15, 2020 EXPECTED END DATE Dec 15, 2020

17 Valid Days 18 Invalid Days

 Animals 400  Nodes 40  Positions 40

Pen Performance

Feed Intake

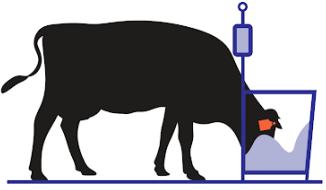
Pens Feed Intake: 10,500 lbs Nov 1, 2020 - Nov 7, 2020

Valid Days: 1 Invalid Days: 5



Date	Feed Intake (lbs)	Animals Appeared
Nov 1	1500	18
Nov 2	1300	18
Nov 3	1100	18
Nov 4	1430	18
Nov 5	1000	18
Nov 6	1500	18
Nov 7	1450	18

Assigned Feed Disappearance Paid Feature



Reduce the Number of Invalid Days

Keep your invalid days under control by tracking daily assigned feed disappearance (AFD) at both pen and node level.

[Learn More](#) [Talk to Sales](#)

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1. Users can click on Back to Pens to go back to the list of pens
2. Users can click on the left and right arrow to move between pens. Default sorting will be used. In the list of pens, the pens with the highest number of Animal Flags will be on the top by default.
3. Users can see Warm Up Date, Start Date, Expected End Date, Valid Days, Invalid Days, Number of Animals, Number of Nodes (Feed Intake Hardware), and Number of Positions (GrowSafe Beef Hardware)
4. If a user clicks on the number of animals, he will see a list of animals in the trial with a preset filter for the pen already applied.
5. If a user clicks on the number of nodes, he will see a list of nodes in the trial with a preset filter for the pen already applied.
6. Number of Positions (GrowSafe Beef Hardware) will only appear if the Trial Type is Feed Efficiency with GSB

Pen Performance Chart

1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
2. If the Trial's Status is completed, the default date range should be Trial Duration.
3. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
4. Chart:
 - a. Users will be able to see the total Pens Feed Intake of all the animals in the pen for the selected date range.
 - b. Users will be able to see the total valid and invalid days for the selected date range.
 - c. Valid and invalid days circle markers will be hidden if the selected date range exceeds 45 days
 - d. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. Feed Intake in a day (lbs or kg)

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iii. Animals Appeared in a day (Animals appeared on nodes in a pen)

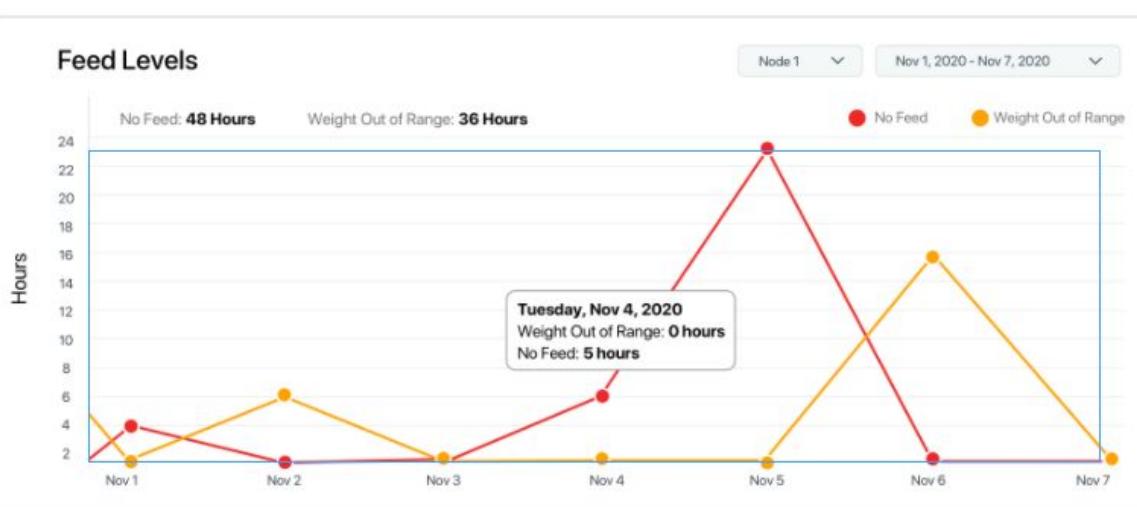
5. X-Axis:

- a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
- b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
- c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
- d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
- e. Display more months accordingly
- f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020

6. Y-Axis: Feed Intake (lbs or kg)

- a. Show lbs or kgs with Feed Intake based on user settings
 - i. 0
 - ii. 500
 - iii. 1000
 - iv. 1500
 - v. 2000
 - vi. 2500

Feed Levels



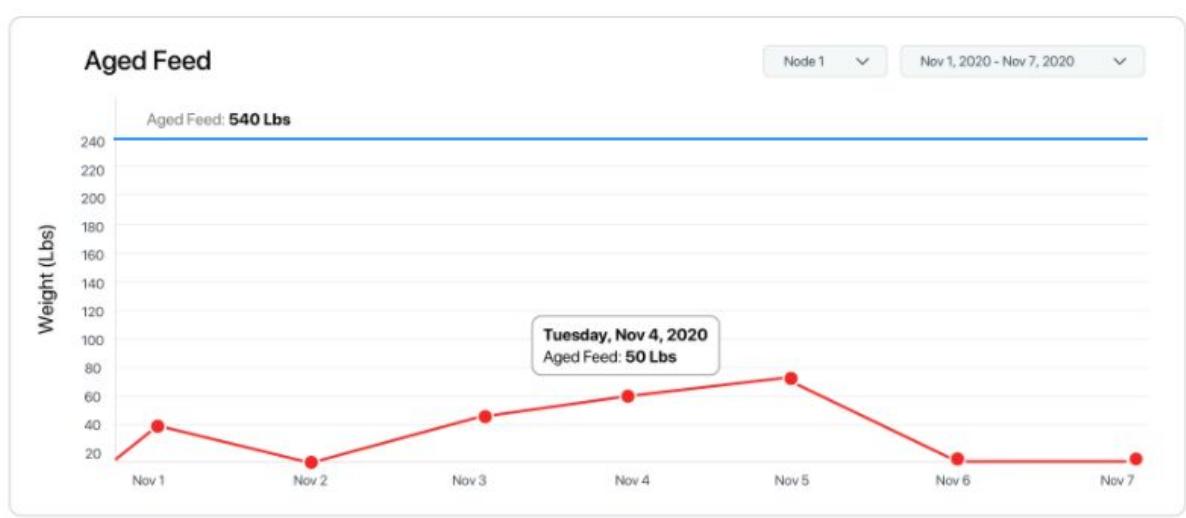
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1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday (Default)
 - c. Last 7 days
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
2. If the Trial's Status is completed, the default date range should be Trial Duration.
3. Users will be able to filter the data by node by selecting one of the nodes from the dropdown. First node will be pre-selected.
4. Chart:
 - a. Users will be able to see the total hours for No Feed and Weight Out of Range for the selected date range.
 - b. Circle markers will be hidden if the selected date range exceeds 45 days
 - c. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. Weight Out of Range hours
 - iii. No Feed hours
5. X-Axis:
 - a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
 - b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
 - c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
 - d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
 - e. Display more months accordingly
 - f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020
6. Y-Axis:
 - a. Hours
 - b. Scale:
 - i. 0
 - ii. 2

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- iii. 4
- iv. .
- v. 22
- vi. 24

Aged Feed



1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday (Default)
 - c. Last 7 days
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
2. If the Trial's Status is completed, the default date range should be Trial Duration.
3. Users will be able to filter the data by node by selecting one of the nodes from the dropdown. If no node is selected, the chart will show the total aged feed of all the nodes.
4. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
5. Chart:

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- a. Users will be able to see the total aged feed for the selected date range.
- b. Circle markers will be hidden if the selected date range exceeds 45 days
- c. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. Aged Feed (lbs or kg)

6. X-Axis:

- a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
- b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
- c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
- d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
- e. Display more months accordingly
- f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020

7. Y-Axis:

- a. Weight (In either Lbs or Kg based on user settings)
- b. Scale:
 - i. 20
 - ii. 40
 - iii. .
 - iv. 220
 - v. 240

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Assigned Feed Disappearance



Subscriber:

1. This chart will be displayed to customers who have subscribed to:
 - a. Efficiency Analytics and
 - b. Feeding Events Extra
2. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
3. If the Trial's Status is completed, the default date range should be Trial Duration.
4. User will be able to filter the data by node by selecting one of the nodes from the dropdown. If no node is selected, the chart will show the total AFD% of the pen.
5. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
6. Chart:

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- a. Users will be able to see the total and assigned feed intake for the selected date range.
- b. Circle markers will be hidden if the selected date range exceeds 45 days
- c. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. AFD%
 - iii. Total feed intake (lbs or kg)
 - iv. Assigned feed intake (lbs or kg)

7. X-Axis:

- a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
- b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
- c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
- d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
- e. Display more months accordingly
- f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020

8. Y-Axis:

- a. AFD %
- b. Scale:
 - i. 0%
 - ii. 5%
 - iii. 10%
 - iv. .
 - v. 95%
 - vi. 100%

Non-Subscriber:

1. If a user belongs to an organization that does not have this package, he will see ‘Paid Feature’ and relevant description.
2. If a user clicks on the Learn More button, a new tab will open and the user can see relevant information. Link to be provided by Vytelle.
3. If a user clicks on the Talk to Sales button it will open the new email window in the default email client. Email to be provided by Vytelle.

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3.5.2.4. List of Nodes

The screenshot shows the Vytelle software interface for the 'RFI Trial for Angus Breed'. The main title is 'Feed Intake with Chute Weights' and the date range is 'Oct 24 - Nov 14, 2020'. The 'Nodes' tab is selected. The interface displays a grid of 16 nodes, each labeled 'Node 15' and 'F310'. The sidebar on the left shows icons for Summary, Pens, Animals, Action Items, and other trial management functions.

1. Users will be able to see a list of nodes (feed intake hardware) in the selected trial. Initially 40 nodes will be displayed. Infinite scroll will be used to display more nodes.
2. Users will be able to see the total number of nodes in the trial. The number will be updated based on filters and search applied.
3. Color of a node's card changes to grey on hover
4. If a user clicks on the card, he will see the node's details page
5. By default, nodes will be sorted by their names in ascending order. Numbers will get preference over alphabets.
6. Users can search for a node by using the node's name.
7. Users can apply the following filters:
 - a. Pen (Select Pen from Dropdown)
8. Users can see the number of filters applied on the list. For example, if 2 filters have been applied, the user will see number 2 with the filter icon.

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3.5.2.5. Node Details

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Vytelle

RFI Trial for Angus Breed

Summary Pens Nodes Animals Action Items

◀ Back to Nodes

Node 15

Pen F310	Warm Up Date Nov 24, 2020	Start Date Nov 15, 2020	Expected End Date Dec 15, 2020
-------------	------------------------------	----------------------------	-----------------------------------

Feed Levels

No Feed: 48 hours Overloading: 36 hours

Hours

Tuesday, Nov 04, 2020
Overloading: 0 hours
No Feed: 5 hours

Date	No Feed (Hours)	Overloading (Hours)
Nov 1	2	2
Nov 2	1	6
Nov 3	1	1
Nov 4	5	1
Nov 5	24	1
Nov 6	1	12
Nov 7	1	1

Aged Feed

Aged Feed: 540 Lbs

Weight (Lbs)

Tuesday, Nov 04, 2020
Aged Feed: 50 lbs

Date	Aged Feed (Lbs)
Nov 1	20
Nov 2	10
Nov 3	30
Nov 4	50
Nov 5	80
Nov 6	10
Nov 7	10

Assigned Feed Disappearance (AFD)

Total Feed Intake: 10,500 lbs Assigned Feed Intake: 9,500 lbs

Nov 1, 2020 - Nov 7, 2020

AFD (%)

Tuesday, Nov 04 2020
AFD: 80%
Total Feed Intake: 1430 lbs
Assigned Feed Intake: 1400 lbs

Date	AFD (%)
Nov 1	82
Nov 2	72
Nov 3	85
Nov 4	75
Nov 5	80
Nov 6	78
Nov 7	95

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1. Users can click on Back to Nodes to go back to the list of nodes.
2. Users can click on the left and right arrow to move between nodes.
3. Users can see Pen Name, Warm Up Date, Start Date, Expected End Date.
4. If a user clicks on the pen name, he will land on the pen detail page.

Node - Feed Levels

1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
2. If the Trial's Status is completed, the default date range should be Trial Duration.
3. Chart:
 - a. Users will be able to see the total hours for No Feed and Weight Out of Range for the selected date range.
 - b. Circle markers will be hidden if the selected date range exceeds 45 days
 - c. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. Weight Out of Range hours
 - iii. No Feed hours
4. X-Axis:
 - a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
 - b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
 - c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
 - d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
 - e. Display more months accordingly
 - f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020
5. Y-Axis:

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- a. Hours
- b. Scale:
 - i. 0
 - ii. 2
 - iii. 4
 - iv. .
 - v. 22
 - vi. 24

Node - Aged Feed

1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday (Default)
 - c. Last 7 days
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
2. If the Trial's Status is completed, the default date range should be Trial Duration.
3. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
4. Chart:
 - a. Users will be able to see the total aged feed for the selected date range.
 - b. Circle markers will be hidden if the selected date range exceeds 45 days
 - c. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. Aged Feed (lbs or kg)
5. X-Axis:
 - a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
 - b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
 - c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
 - d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020

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- e. Display more months accordingly
 - f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020
6. Y-Axis:
- a. Weight (In either Lbs or Kg based on user settings)
 - b. Scale:
 - i. 20
 - ii. 40
 - iii. .
 - iv. 220
 - v. 240

Node - Assigned Feed Disappearance

Subscriber:

1. This chart will be displayed to customers who have subscribed to:
 - a. Efficiency Analytics and
 - b. Feeding Events Extra
2. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
3. If the Trial's Status is completed, the default date range should be Trial Duration.
4. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
5. Chart:
 - a. Users will be able to see the total and assigned feed intake for the selected date range.
 - b. Circle markers will be hidden if the selected date range exceeds 45 days
 - c. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. AFD%
 - iii. Total feed intake (lbs or kg)

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- iv. Assigned feed intake (lbs or kg)

6. X-Axis:

- a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
- b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
- c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
- d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
- e. Display more months accordingly
- f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020

7. Y-Axis:

- a. AFD %
- b. Scale:
 - i. 0%
 - ii. 5%
 - iii. 10%
 - iv. .
 - v. 95%
 - vi. 100%

Non-Subscriber:

1. If a user belongs to an organization that does not have this package, he will see 'Paid Feature' and relevant description.
2. If a user clicks on the Learn More button, a new tab will open and the user can see relevant information. Link to be provided by Vytelle.
3. If a user clicks on the Talk to Sales button it will open the new email window in the default email client. Email to be provided by Vytelle.

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3.5.2.6. List of Animals

The screenshot shows a software interface for managing animal data. At the top right, there is a user profile icon for "Johnny Tepes" with a notification badge. The main title is "RFI Trial for Angus Breed" followed by "Feed Intake with Chute Weights". The date range is "Oct 24 - Nov 14, 2020". Below the title, there are tabs for "Summary", "Pens", "Nodes", "Animals" (which is selected), and "Action Items". A search bar allows searching by "Search by EID or Visual Tag". The main area displays a grid of 20 animal records, each containing the following information:

ID	Status	Health Alerts	
840003142178023	Active	2	
12310	Pasture 31		
Feed Intake to Date:	235 lbs	Weight Gained to Date:	235 lbs
DAYS IN PEN	30 Days	HEALTH ALERTS	2

The first record in the grid is highlighted with a red box around its status, ID, and health alerts columns.

This screenshot shows the same software interface as the previous one, but with 10 animals selected. The "Animals Selected" count is displayed as "Animals Selected (10)". The "Select All" and "Deselect All" buttons are available, along with a "Bulk Action" dropdown and an "Apply" button. The selected animals are indicated by a red checkmark in the status column. The rest of the interface and data grid are identical to the first screenshot.

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1. Users will be able to see a list of animals in the selected trial. Initially 16 animals will be displayed. Infinite scroll will be used to display more animals.
2. These animals will show up in the list as soon as they start appearing on nodes or positions associated with the pens in the trial.
3. Users will be able to see the total number of animals in the trial. The number will be updated based on filters and search applied.
4. If there is any animal flag associated with an animal in the last 48 hours, it will be highlighted with a red border.
5. Color of an animal's card changes to grey on hover.
6. Users can sort the list by:
 - 6.1. Feed Intake
 - 6.2. Weight Gained
 - 6.3. Days in Pen
 - 6.4. Animal Flags
7. One click sorting will be used. Only one sorting option will be active at a time.
8. By default, the animals with the highest number of Animal Flags will be on the top.
9. By default, only active animals will be displayed.
10. Users can search for an animal using Animal EID or Visual Tag
11. Users can apply the following filters on the list:
 - 11.1. Pen (Select Pen from Dropdown)
 - 11.2. Animal Flags
 - 11.2.1. Yes (Only animals with animal flags will be displayed)
 - 11.2.2. No
 - 11.3. Inactive Animals
 - 11.3.1. Yes (Only animals with inactive status will be displayed)
 - 11.3.2. No
 - 11.4. Marked for Spray
 - 11.4.1. Yes (Only animals marked for spray will be displayed)
 - 11.4.2. No
12. Marked for Spray option in filters will appear only if the customer has the GSB Hardware on the selected location.
13. Users can see the number of filters applied on the list. For example, if 2 filters have been applied, the user will see number 2 with the filter icon.
14. Numbers will be displayed in lbs or kgs depending on a user's settings.
15. The number in Weight Gained to Date will appear only if the Trial Type is 'Feed Efficiency with GSB'. For other trial types, the number will be replaced by text: Requires GSB Hardware
16. If Visual Tag isn't available, show text: Not Provided

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17. Users will be able to select animals to apply actions. If any animal is selected, the sorting options will disappear.
18. Users will be able to see the total number of selected vs total animals. For example: 200 out of 5,000 selected.
19. Users will be able to Select or Deselect all animals. If no filter is applied, all animals will be selected or deselected. If a filter is applied, filtered animals will be selected or deselected.
20. Users will be able to apply the following bulk actions:
 - 20.1. Mark as Active
 - 20.2. Mark as Inactive
 - 20.3. Mark for Spray
 - 20.4. Unmark for Spray
21. Apply button will be enabled after one of the bulk actions is selected.
22. Option to mark and unmark animals for spray will only appear if the customer has the GSB Hardware.
23. If an animal has been marked for spray paint, the color of the card will be highlighted in green. The color of the card will change back to normal after the animal has been sprayed with green paint via GrowSafe Beef hardware.
24. The table below explains the items in an animal's card:

Animal Card	Details
EID	Each animal has a unique EID which is read by Feed Intake and GSB Hardware
Visual Tag	Visual tag associated with an animal.
Pen	Pen that the animal is currently in.
Feed Intake to Date	Total feed intake of an animal during the trial.
Weight Gained to Date	Total weight gained by an animal during the trial.
Days in Pen	Total duration of an animal in the pen since the trial started.
Animal Flags	Number of animal flags raised for the animal since the trial started.
Status	Active or Inactive

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3.5.2.7. Animal Details

Animal Information

The screenshot shows the 'RFI Trial for Angus Breed' screen in the Vytelle software. The main content area displays the following animal details:

EID	Tag	Breed	Sex
840003142178023	1707	ANGUS	HEIFER

Origin	Date of Birth	Age	Pen
C SQUARED CATTLE	24 DEC 2019	90 DAYS	F310

Days in Pen	Last Appeared On	Feed Intake to Date	Weight Gained to Date
35	24 DEC 2020 17:30:00	256 LBS	256 LBS

Status
ACTIVE

On the left, there is a vertical sidebar with icons for Summary, Pens, Nodes, Animals (selected), Action Items, and a plus sign. At the top right, there is a bell icon with a red notification count of 2, a user profile icon for 'JT Johnny Tepes', and a search bar.

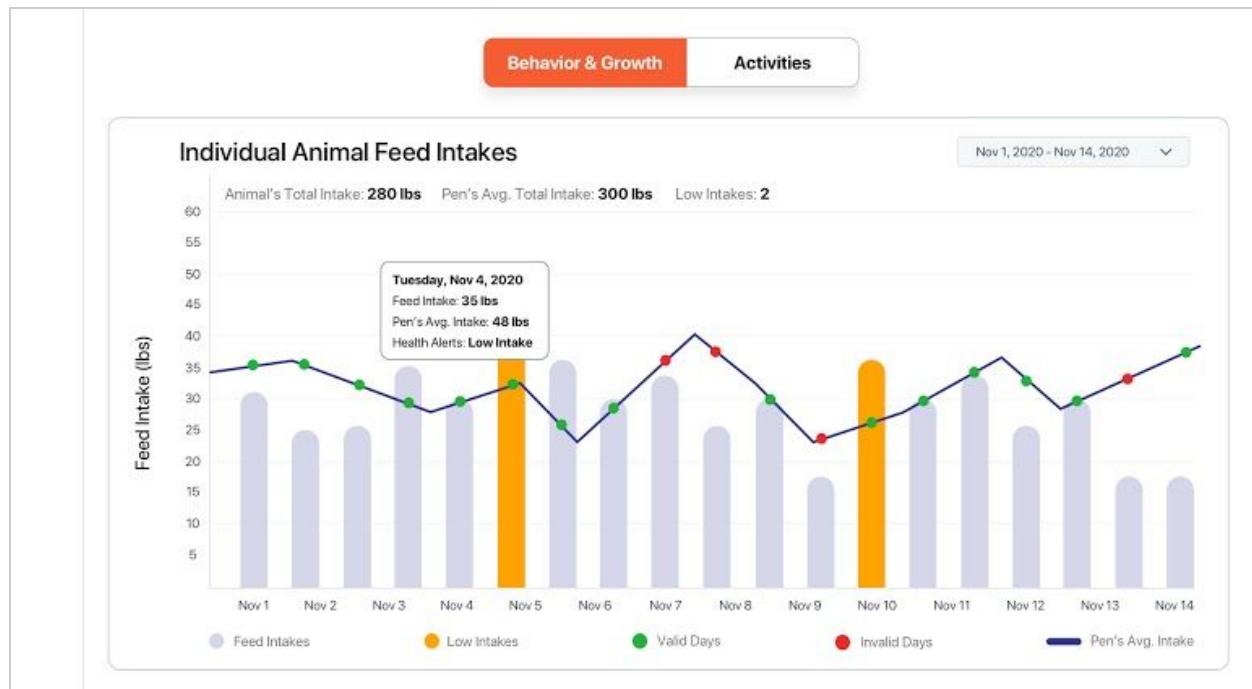
1. Users can click on Back to Animals to go back to the list of animals.
2. Users can click on the left and right arrow to move between animals.
3. Weight specific numbers will be displayed in lbs or kg based on a user's settings.
4. The number in Weight Gained to Date will appear only if the Trial Type is 'Feed Efficiency with GSB'. For other trial types, the number will be replaced by text: Requires GSB Hardware
5. Users can't edit the following information:
 - a. Pen
 - b. Days in Pen
 - c. Last Appeared On
 - d. Feed Intake to Date
 - e. Weight Gained to Date
6. Users will be able to mark / unmark animals for spray.
7. Option to mark and unmark animals for spray will only appear if the Trial Type is "Feed Efficiency with GSB"
8. Users can edit the following information:

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Field Name	Type	Length	Required	Error Message
EID	Numeric		Yes	Required (If left empty)
Visual Tag	Alphanumeric		No	
Breed	Single Select Searchable Dropdown		No	
Sex	Single Select		No	
Origin	Searchable Dropdown (This will be customer specific)		No	
Date of Birth	Date Picker		No	
Age	Numeric		No	
Status	Dropdown: Active & Inactive			

Behavior & Growth

Individual Animal Feed Intakes



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1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
2. If the Trial's Status is completed, the default date range should be Trial Duration.
3. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
4. Chart:
 - a. Users will be able to see the total intake of an individual animal for the selected date range.
 - b. Users will be able to see the average total intake of all the animals in a pen for the selected date range.
 - c. Users will be able to see the total number of times Low Intake Animal Flag has been raised for an individual animal in the selected date range.
 - d. Circle markers will be hidden if the selected date range exceeds 45 days
 - e. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. Total feed intake (lbs or kg)
 - iii. Pen's Avg. Intake (lbs or kg)
 - iv. Animal Flags
5. X-Axis:
 - a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
 - b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
 - c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
 - d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
 - e. Display more months accordingly
 - f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020

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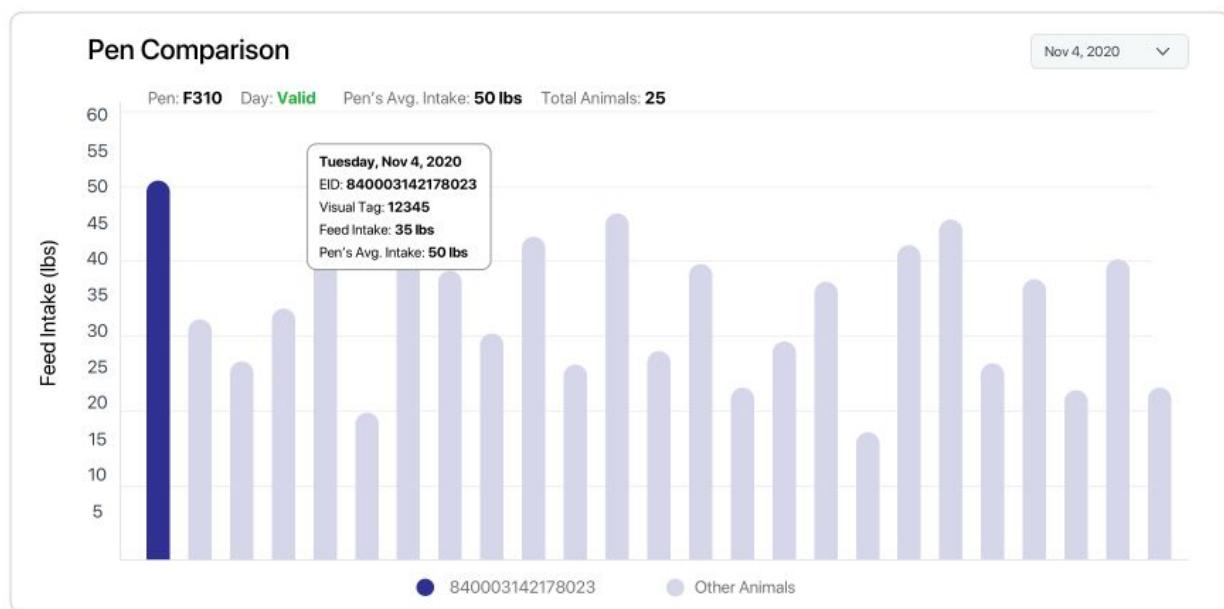
6. Y-Axis:

- a. Feed Intake (lbs or kg)

- b. Scale:

- i. 0
- ii. 5
- iii. 10
- iv. .
- v. 55
- vi. 60

Pen Comparison



1. Users will be able to select a date from the date picker.
2. By default, last day's date will be selected. Users will not be able to select a future date.
3. If the Trial's Status is completed, the default date range should be Trial End Date.
4. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
5. Chart:
 - a. For the date selected, users will be able to see:
 - i. Pen Name
 - ii. Day: Valid (green) or Invalid (red)
 - iii. Pen's Average Intake

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- iv. Number of animals appeared in the pen
 - b. If a user on hovers on a bar (tap for tablet/smartphone), he will see the following details:
 - i. EID
 - ii. Visual Tag (If Visual Tag isn't available, show text: Not Provided)
 - iii. Feed intake (lbs or kg)
 - iv. Pen's Avg. Intake (lbs or kg)
6. X-Axis:
- a. Each bar represents an individual animal present in the pen on the selected date.
 - b. The dark blue bar represents the animal the user is looking at.
 - c. The light blue bars represent the other animals in the same pen.
7. Y-Axis:
- a. Feed Intake (lbs or kg)
 - b. Scale:
 - i. 0
 - ii. 5
 - iii. 10
 - iv. .
 - v. 55
 - vi. 60

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Individual Animal Weights



Trial Type: Feed Efficiency with GSB Weights

1. This graph will be displayed only if the trial type is Feed Efficiency with GSB
2. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Trial Duration
 - i. Start Date till Expected End Date
 - f. Custom Date Range
 - i. Users will not be able to select a future date
3. If the Trial's Status is completed, the default date range should be Trial Duration.
4. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
5. Chart:
 - a. Users will be able to see total weight gained for the selected date range
 - b. Users will be able to see the total number of times Weight Loss Animal Flag has been raised for an individual animal in the selected date range.

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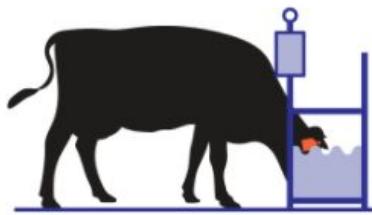
- c. Users will be able to see the total number of times Poor Performance Animal Flag has been raised for an individual animal in the selected date range.
 - d. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Animal Weight (lbs or kg)
 - ii. Average Daily Gain (lbs or kg)
 - iii. 14-Day Weight (lbs or kg)
 - iv. Pen's 14-Day Avg Weight (lbs or kg)
 - v. Pen's Avg ADG (lbs or kg)
 - vi. Feed Intake (lbs or kg)
 - vii. Animal Flag
6. X-Axis:
- a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
 - b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
 - c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
 - d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
 - e. Display more months accordingly
 - f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020
7. Y-Axis:
- a. Individual Animal Weight (lbs or kg)
 - b. Scale:
 - i. 0
 - ii. 200
 - iii. 400
 - iv. .
 - v. 2400
 - vi. 2600
8. Secondary Y-Axis:
- a. Feed Intake (lbs or kg)
 - b. Scale:
 - i. 0
 - ii. 5
 - iii. 10

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- iv. .
- v. 55
- vi. 60

Trial Type: Feed Efficiency with Chute Weights

Individual Animal Weight (Require GrowSafe Beef Hardware)



Why GrowSafe Beef?

Shortened trial duration from 70 to 49 days, thereby increasing the number of trials per year to five.

Continuous, stress-free automatic weights collected every time an animal goes to drink.

Measurement of frequency and duration at the water trough to identify behavioral changes in individual animals.

[Talk to Sales](#)

1. This section will be displayed if the Trial Type is Feed Efficiency with Chute Weights
2. If a user clicks on the Talk to Sales button it will open the new email window in the default email client. Email to be provided by Vytelle.

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Activities

The screenshot shows the Vytelle software interface for managing cattle. At the top, there's a navigation bar with icons for Home, Animals, Pens, Nodes, Action Items, and a search bar. A user profile for "Johnny Tepes" is shown on the right.

The main content area displays an animal profile for "RFI Trial for Angus Breed". The profile includes:

- Summary:** Feed Intake with Chute Weights
- Animals:** Summary, Pens, Nodes, Animals (selected), Action Items
- Back to Animals:** Back to Animals
- Animal ID:** 840003142178023
- Details:** Tag (1707), Breed (ANGUS), Sex (HEIFER), Origin (C SQUARED CATTLE); Date of Birth (24 DEC 2019), Age (90 DAYS), Pen (F310), Days in Pen (35); Last Appeared On (24 DEC 2020 | 17:30:00), Feed Intake to Date (256 LBS), Weight Gained to Date (256 LBS), Status (ACTIVE).

Below the profile, there are two tabs: "Behavior & Growth" (white) and "Activities" (orange). The "Activities" tab is selected, showing a timeline for November, 2020.

The timeline shows the following activities:

- Nov 27:** EID Changed (EID changed from 8400000000000000 to 8500000000000000)
- Nov 27:** Pen Movement (Moved from Pen F310 to Pen F450)
- Nov 27:** Pen Movement (First appeared in Pen F310)
- Nov 15:** Status (Marked as Inactive)
- Nov 15:** Status (Marked as active)
- Nov 15:** Marked (Marked on GrowSafe Beef at 10:00 am)

1. Users will be able to see activities associated with an individual animal.
2. Month and Days will appear in descending order.

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3. If a month or day doesn't have any activity in it, it will not be displayed.
 4. First 20 activities will be displayed by default. Infinite scroll will be used to display more activities.
 5. First activity will start from left.
 6. Following are the different activity types and messages:

Activity Type	Messages
Status	<ol style="list-style-type: none">1. Marked as active2. Marked as inactive
Marked	<ol style="list-style-type: none">1. Marked on GrowSafe Beef at 10:00 am
Pen Movement	<ol style="list-style-type: none">1. First appeared in Pen F3102. Moved from Pen F310 to Pen F450<ol style="list-style-type: none">a. If an animal first appeared in Pen A and later appeared in Pen B, pen movement will be automatically recorded.
EID Changed	<ol style="list-style-type: none">1. EID changed from 8400000000000000 to 8500000000000000

3.5.2.8. List of Action Items - Trials

   Johnny Tepes

RFI Trial for Angus Breed Feed Intake with Chute Weights

Oct 24 - Nov 14, 2020

Action Items

All Action Items (45)

Sticky Scales Procedure Pending <input type="button" value=""/>	Clean Bunk Procedure Pending <input type="button" value=""/>	Load Bars Procedure Pending <input type="button" value=""/>	Reboot Master Panel Pending <input type="button" value=""/>
 F310  15, 16, 17	 F310  15, 16, 17	 F310  15, 16, 17	 F310  15, 16, 17
CREATED Oct 24, 2020	COMPLETED Oct 24, 2020	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Sticky Scales Procedure Pending <input type="button" value=""/>	Sticky Scales Procedure Pending <input type="button" value=""/>	Replace Panel Procedure Completed <input checked="" type="checkbox"/>	Replace Panel Procedure Completed <input checked="" type="checkbox"/>
 F310  15, 16, 17	 F310  15, 16, 17	 F310  15, 16, 17	 F310  15, 16, 17
CREATED Oct 24, 2020	COMPLETED Oct 24, 2020	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Replace Panel Procedure Completed <input checked="" type="checkbox"/>	Replace Panel Procedure Completed <input checked="" type="checkbox"/>	Replace Panel Procedure Completed <input checked="" type="checkbox"/>	Replace Panel Procedure Completed <input checked="" type="checkbox"/>

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1. Users will be able to see a list of Action Items specific to the trial. Initially 16 action items will be displayed. Infinite scroll will be used to display more action items.
2. Users will be able to see the total number of action items in the trial. The number will be updated based on filters applied.
3. Users will be able to mark an action item as complete by using the toggle option. Users can also change the status back from Completed to Pending.
4. If the Trial Type is Feed Efficiency with GSB Weights, users will see two types of action items in the list:
 - a. Feed Intake (displays nodes icon)
 - b. GrowSafe Beef (displays positions icon)
5. Users will be able to use the following filters:
 - a. Pen (Dropdown of pens in the trial)
 - b. Status:
 - i. Pending
 - ii. Completed
 - c. Hardware:
 - i. Feed Intake
 - ii. GrowSafe Beef
6. Hardware option in the filters will appear only if the trial type is Feed Efficiency with GSB Weight
7. The following table explains the items in the action item's card:

Action Item Card	Details
Name	Name of the action item
Status	Current status of an action item: <ol style="list-style-type: none">1. Pending or2. Completed
Pen	Pen associated with the action item
Nodes or Positions	Nodes or Positions associated with the action items
Date Created	Date the action item was created by the TSR
Date Completed	Date the action item was completed

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3.5.2.9. Action Item Details - Trials

The screenshot shows the Vytelle software interface. On the left is a vertical sidebar with icons for Home, Summary, Pens, Nodes, Animals, Action Items, and a gear. The main area displays the title "RFI Trial for Angus Breed" and the subtitle "Feed Intake with Chute Weights". It shows the date range "Oct 24 - Nov 14, 2020". Below this, there are tabs for "Summary", "Pens", "Nodes", "Animals", and "Action Items" (which is highlighted). A "Back to Action Items" link is available. On the right, there are navigation arrows and a "Download PDF" button. The main content area is titled "Unfeeding Bunks" and contains a note: "Please follow the steps below to complete this action item". It includes two steps: "Step 1" (with instructions about a Power Ground Fault Tester) and "Step 2" (with instructions about a power supply). Each step has a toggle switch labeled "Completed" and a "Download PDF" button. To the right of each step is a thumbnail image: a yellow power adapter for Step 1 and a black power supply unit for Step 2.

1. Users can click on Back to Action Items to go back to the list of action items.
2. Users can click on the left and right arrow to move between action items.
3. Users will be able to mark an action item as complete by using the toggle option. Users can also change the status back from Completed to Pending.
4. Users can view the step by step guide to resolve the issues with the hardware.
5. Users will click on an image's thumbnail to see the actual size in a popup. Users will click on the cross button to close the image.
6. Users can download the relevant PDF by clicking on the download PDF button.

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3.5.3. List of Trials

The screenshot shows the 'Trials' section of the Vytelle application. At the top, there are sorting options: 'Done Days' (selected), 'Valid Days', 'Invalid Days', 'Animals', and 'Animal Flags'. A search bar 'Search by Trial Name' is also present. On the right, there is a 'Create New Trial' button and a user profile for 'Johnny Tepes' with a notification badge of 2.

There are 12 trial cards displayed in a grid:

- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 30/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.
- RFI Trial for Angus Breed**: Feed Intake with Chute Weights, Oct 24 - Nov 14, 2020, Status: Active. Trial Progress: 40/70. PENS: 10, ANIMALS: 10 Heifers, ACTIONITEMS: 11, ANIMAL FLAGS: 2.

1. Users will be able to see a list of trials. Initially 12 trials will be displayed. Infinite scroll will be used to display more trials.
2. Users will be able to see the total number of trials. The number will be updated based on filters and search applied.
3. A User will be able to see trials of locations that are assigned to him.
4. Users will click on the Create New Trial button to create a new trial.
5. Color of a trial's card changes to grey on hover.
6. Pens, Animals, Action Items, and Animal Flags on a trial's card are clickable. On hover, the color changes from black to purple.
7. Users can sort the list by:
 - a. Done Days
 - b. Valid Days (Min - Max Range)
 - c. Invalid Days (Min - Max Range)
 - d. No. of Animals
 - e. Animal Flags
 - f. Date
8. One click sorting will be used. Only one sorting option will be active at a time.
9. By default, the latest trials will be on the top.

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10. Users can search for a trial using the trial's name.
11. Users can apply the following filters on the list:
 - a. Location (Dropdown)
 - i. Users will see only those locations that are assigned to him.
 - b. Trial Type (Dropdown)
 - i. Feed Intake Only
 - ii. Feed Efficiency with Chute Weights
 - iii. Feed Efficiency with GSB Weights
 - c. Trial Status (Dropdown)
 - i. Draft
 - ii. Pending
 - iii. Active
 - iv. Completed
 - d. Start Date (Date Range Picker)
 - e. End Date (Date Range Picker)
12. Users can see the number of filters applied on the list. For example, if 2 filters have been applied, the user will see number 2 with the filter icon.
13. If a user clicks on a Pending, Active, or Completed trial, he will land on the trial detail page.
14. If a user clicks on a trial that is in Draft mode, he will land on the trial creation screen Step 1.
15. The table below explains the items in a trial's card:

Trial Card	Details
Trial Name	Input by a user when a trial is created
Trial Location	Location selected when a trial is created
Trial Type	Trial type selected by a user when a trial is created
Status	Current status of a trial. Here are some possible trial status: - Draft (when saved as draft by a user) - Pending (when created by a user but not started by Vytelle's TSR) - Active (when a trial is activated by Vytelle's TSR) - Completed (when all the pens in the trial have been marked completed by Vytelle's TSR)
Trial Start Date	System generated based on warmup date and duration selected at the time of trial creation.
Trial End Date	System generated based on trial start date and duration selected at the time of trial creation.
Trial Progress	Total number of days passed after a trial is started compared to the total trial duration (calculated using trial start and end days).

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	<p>Note: Usually the trial starts on the same day for all the pens in a trial. However, in some cases, it may start a couple of days later for one of the pens. In such a scenario, the total number of days passed may exceed the total trial duration.</p>
Range Valid Days	Range of valid days for all pens in a trial. For example, if valid days of 4 pens are 4, 5, 8, and 10, then range will be 4-10
Range Invalid Days	Range of invalid days for all pens in a trial.
Total Pens	Pens selected by a user when a trial is created
Animals	Total animals appeared in the trial so far and sex selected at the time of trial creation.
Total Animal Flags	Total animal flags raised to date. Animal Flags include Low Intake, Weight Loss, and Poor Performance.
Total Action Items	Total action items raised to date. Actions Items are raised by Vytelle's TSRs using their existing system

3.5.4. Trial Notes

The screenshot shows the 'Trial Notes' section of the Vytelle application. On the left is a vertical sidebar with icons for Home, Locations, Animals, Events, Reports, and Help. The main area has a header 'Trial Notes' and 'Angus Farms Nevada'. Below this is a table with two columns: 'Locations' and 'Messages'. The 'Locations' column lists various farms: Angus Farms Nevada, Angus Farms Wisconsin, Angus Farms Idaho, Angus Farms Iowa, Angus Farms Nevada, Angus Farms Wisconsin, Angus Farms Idaho, Angus Farms Iowa, Angus Farms Nevada, Angus Farms Wisconsin, Angus Farms Idaho, and Angus Farms Iowa. The 'Messages' column contains three entries from users Brody K., Johnny Tepes, and Gabriel, each with a timestamp and a list of notes. At the bottom is a message input field with a red send arrow icon.

Locations	Messages
Angus Farms Nevada	Brody K. , 18 Dec, 2020 10:20:31 Some misses after feeding on a few nodes, just so you're aware. - Nodes 1 and 15 are good examples - Node 15 is still looking a bit sticky as well
Angus Farms Wisconsin	Brody K. , 18 Dec, 2020 10:20:31 Nodes 9 had problems reading EIDs all day yesterday. - Please swap the RTU (load bars) out on node 9, before you do for node 11. - Call me before you calibrate so the node can be tuned properly.
Angus Farms Idaho	Gabriel , 18 Dec, 2020 10:20:31 We have a spare RTU (load bars) on its way to you, when this arrives, please swap out the RTU on node 11. - After swapping out the RTU on node 11, please let me know so that it can be tuned before being calibrated. - Let me know if you would like to block off node 11 until you can get that RTU on there.
Angus Farms Iowa	
Angus Farms Nevada	
Angus Farms Wisconsin	
Angus Farms Idaho	
Angus Farms Iowa	
Angus Farms Nevada	
Angus Farms Wisconsin	
Angus Farms Idaho	
Angus Farms Iowa	

3.6. Beef Marketing Program (Monitoring)

Main Navigation for customers using only the Beef Marketing Program:

1. Dashboard

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2. Action Items
3. Animals
4. Pens
5. Users
6. Locations
7. Settings
8. Logout

3.6.1. List of Action Items

The screenshot shows the 'Action Items' section of the Vytelle application. At the top right, there is a bell icon with a red notification count of 2, a user profile icon for 'JT Johnny Tepes', and a search bar. On the left, there is a vertical sidebar with icons for Home, Filter, User, Location, Settings, and Help.

The main area displays a grid of 16 action items. Each item has a title, location, status (Completed or Pending), a toggle switch, and a small icon. Below each row are 'CREATED' and 'COMPLETED' dates.

Action Items 456					
Sticky Scales Procedure 📍 Angus Farms	Completed <input checked="" type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Clean Bunk Procedure 📍 Angus Farms	Completed <input checked="" type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Load Bars Procedure 📍 Angus Farms	Pending <input type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Reboot Master Panel 📍 Angus Farms	Pending <input type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Reboot Slave Panel 📍 Angus Farms	Pending <input type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Overfeeding Bunks Procedure 📍 Angus Farms	Pending <input type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Underfeeding Bunks 📍 Angus Farms	Completed <input checked="" type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
Proper Power Installation 📍 Angus Farms	Pending <input type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
GSB Clean Water Bowl 📍 Angus Farms	Pending <input type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
GSB Fix Air Leak 📍 Angus Farms	Pending <input type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
GSB Cable Connections 📍 Angus Farms	Completed <input checked="" type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020
GSB Check Panel Antenna 📍 Angus Farms	Pending <input type="checkbox"/>		15, 16, 17	CREATED Oct 24, 2020	COMPLETED Oct 24, 2020

1. Users will be able to see a list of Action Items. Initially 16 action items will be displayed. Infinite scroll will be used to display more action items.
2. Users will be able to see the total number of action items. The number will be updated based on filters applied.
3. Users will be able to mark an action item as complete by using the toggle option. Users can also change the status back from Completed to Pending.
4. Users will be able to use the following filters:
 - 4.1. Location (Dropdown for assigned locations only)
 - 4.2. Pen (Dropdown. Show filtered pens based on location if it is selected)
 - 4.3. Status:

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4.3.1. Pending

4.3.2. Completed

3.6.2. Action Item Details

1. Users will be able to mark an action item as complete by using the toggle option. Users can also change the status back from Completed to Pending.
2. Users can view the step by step guide to resolve the issues with the hardware.
3. Users will click on an image's thumbnail to see the actual size in a popup. Users will click on the cross button to close the image.
4. Users can download the relevant PDF by clicking on the download PDF button.

3.6.3. List of Animals

The screenshot shows the 'All Animals' page in the Vytelle application. The page has a header with a logo, a search bar, and a 'Add Animal Data' button. On the left is a sidebar with various icons. The main content area displays a grid of animal records. One record is highlighted with a red border, and another is highlighted with a green border. Each record card contains details like Lot Number, Sex, Breed, Current Weight, Avg. Daily Gain, 30d HCW Forecast, Length of Stay, Time to Market, and two buttons at the bottom.

Lot Number	Sex	Breed	Current Weight	Avg. Daily Gain	30d HCW Forecast	Length of Stay	Time to Market	Action Buttons
840003142178023	Steer	Angus	200 lbs	1.21 lbs	200 lbs	90 Days	25 Days	SORT ADD DOWNLOAD
840003142178023	Steer	Angus	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	SORT ADD DOWNLOAD
840003142178023	Steer	Angus	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	SORT ADD DOWNLOAD
840003142178023	Steer	Angus	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	SORT ADD DOWNLOAD
840003142178023	Steer	Angus	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	SORT ADD DOWNLOAD

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The screenshot shows the 'All Animals' page in the Vytelle application. At the top right, there is a notification bell icon with a red badge showing '2', a user profile icon for 'JT Johnny Tepes', and a search bar labeled 'Search by EID or Visual Tag'. Below the header, there is a button for 'Add Animal Data'.

The main area displays a grid of animal cards. Each card contains the following information:

- Lot Number:** 840003142178023
- Sex:** Steer
- Breed:** Angus
- In-Weight:** 200 lbs
- Current Weight:** 235 lbs
- Avg. Daily Gain:** 1.21 lbs
- 30d HCW Forecast:** 200 lbs
- Length of Stay:** 90 Days
- Time to Market:** 25 Days
- DAYS ON PASTURE:** 30 Days
- ANIMAL FLAGS:** 3

The cards are arranged in a grid, with three columns and four rows shown. Each row has a 'Select All' checkbox at the top left and a 'Bulk Action' dropdown at the top right. The last row of each column has a 'More' button at the bottom right.

1. Users will be able to see a list of animals. Initially 15 animals will be displayed. Infinite scroll will be used to display more animals.
2. Users will be able to see the total number of animals. The number will be updated based on filters and search applied.
3. New animals will appear in the list when:
 - 3.1. A new EID appears on positions (GrowSafe Beef hardware) in the pen.
 - 3.2. Data is imported via CSV file upload.
4. If there is any animal flag associated with an animal in the last 48 hours, it will be highlighted with a red border.
5. Color of an animal's card changes to grey on hover.
6. Users can sort the list by:
 - 6.1. Avg. Daily Gain
 - 6.2. Time to Market
 - 6.3. Current Weight
 - 6.4. Animal Flags
7. One click sorting will be used. Only one sorting option will be active at a time.
8. By default, the animals with the highest number of Animal Flags will be on the top.

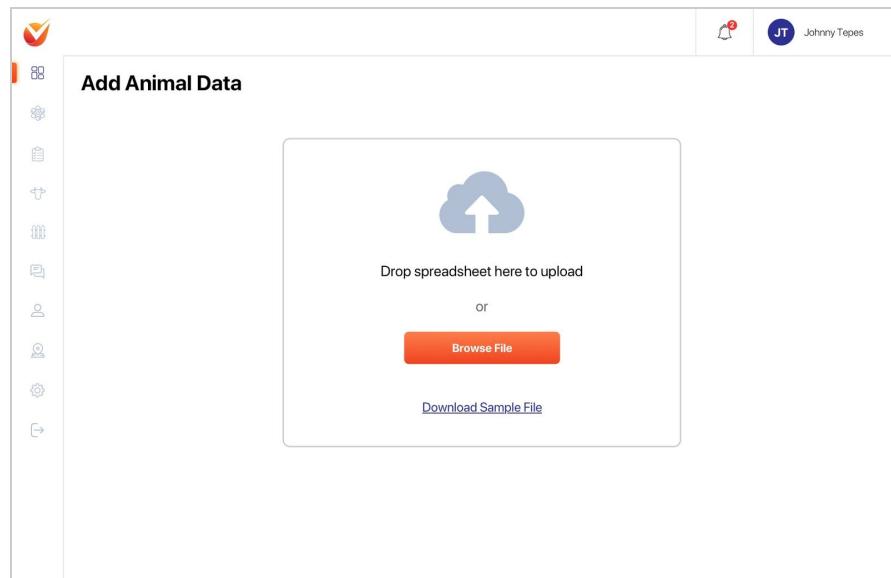
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9. By default, only active animals will be displayed.
10. Users can search for an animal using Animal EID, Visual Tag, and Lot Number
11. Users can apply the following filters on the list:
 - 11.1. Location (Dropdown for assigned locations only)
 - 11.2. Pen (Dropdown. Show filtered pens based on location if it is selected)
 - 11.3. Animal Flags
 - 11.3.1. Yes (Only animals with animal flags will be displayed)
 - 11.3.2. No
 - 11.4. Inactive Animals
 - 11.4.1. Yes (Only animals with inactive status will be displayed)
 - 11.4.2. No
 - 11.5. Marked for Spray
 - 11.5.1. Yes (Only animals marked for spray will be displayed)
 - 11.5.2. No
 - 11.6. Data Not Submitted (Only animals with incomplete data status will be displayed)
 - 11.6.1. Yes
 - 11.6.2. No
12. An animal's data will be considered as unsubmitted if any of the following information is missing:
 - 12.1. Visual Tag
 - 12.2. Lot Number
 - 12.3. Lot Entrance Date
 - 12.4. Lot Entrance Weight
 - 12.5. Breed
 - 12.6. Sex
13. Users can see the number of filters applied on the list. For example, if 2 filters have been applied, the user will see number 2 with the filter icon.
14. Numbers will be displayed in lbs or kgs depending on a user's settings.
15. Show text 'Not Provided', if the following information hasn't been provided by the user:
 - 15.1. Visual Tag
 - 15.2. Lot Number
 - 15.3. Sex
 - 15.4. Breed
 - 15.5. In-Weight
 - 15.6. Length of Stay
16. Users will be able to select animals to apply actions. If any animal is selected, the sorting options will disappear.

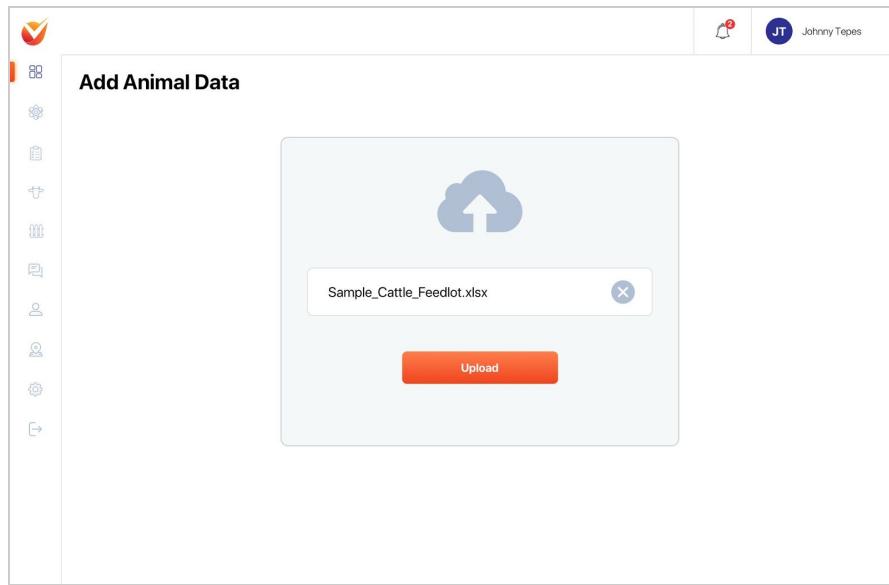
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17. Users will be able to see the total number of selected vs total animals. For example: 200 out of 5,000 selected.
18. Users will be able to Select or Deselect all animals. If no filter is applied, all animals will be selected or deselected. If a filter is applied, filtered animals will be selected or deselected.
19. Users will be able to apply the following bulk actions:
 - 19.1. Mark as Active
 - 19.2. Mark as Inactive
 - 19.3. Mark for Spray
 - 19.4. Unmark for Spray
20. Apply button will be enabled after one of the bulk actions is selected.
21. If an animal has been marked for spray paint, the color of the card will be highlighted in green. The color of the card will change back to normal after the animal has been sprayed with green paint via GrowSafe Beef hardware.
22. Users will click on the Add Animal Data button to import animal data.

3.6.4. Add animal Data



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1. Users will be able to [download a sample file](#) to add cattle data. The sheet will have data validation rules applied so users can upload data only in the required format.
2. Users will be able to upload cattle data.
3. Supported file format will be csv. If the wrong file format is uploaded, the user will see the following message: 'Error. The file type is unsupported'.
4. File size should not exceed 10 mb. If the file size exceeds 10 mb, the user will see the following message: 'Error. The file size is too large'.
5. If the data in the csv file is not in the required format, the user will not be able to upload the file and see the following message: 'Error. Incorrect data format. [Download Sample File](#) and follow the same data format.'
6. All the fields are required (mandatory) fields.
7. If the csv file contains data of an animal that is already updated, the existing data will be replaced by new data.
8. After the file has been successfully uploaded, the user will see the following message:

Animals Updated Successfully!

Data for 300 animals has been added or updated.

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3.6.5. Animal Details

3.6.5.1. Summary - Animal Details

The screenshot shows the 'Summary' tab of the Vytelle Animal Details interface. At the top right, there is a notification bell icon with a red '2' and a user profile for 'JT Johnny Tepes'. Below the header, the animal's EID is displayed as '840003142178023' with a green 'Active' status indicator. A large orange 'Edit' button is located in the top right corner of the main content area.

Animal Information

EID 840003142178023	Visual tag 12345	Sex HEIFER	Pen F310
Days in Pen 35	Lot 256 LBS	Lot Entrance Date 24 DEC 2020	Entrance Weight 256 LBS
Breed ANGUS	Status ACTIVE	Last Appeared On 24 DEC 2020	

System Performance

Days On GSB 90 DAYS	% Captured 98%	Last Valid Weight Date 24 AUG, 2020
------------------------	-------------------	--

Animal Performance

Current Weight 250 LBS	Avg. Daily Gain on GSB 1.5 LBS
---------------------------	-----------------------------------

Forecast Performance

30D Hot Carcass Weight Forecast 250 LBS	Time to Market 25 DAYS
--	---------------------------

1. Users can click on Back to Animals to go back to the list of animals in the feedlot.

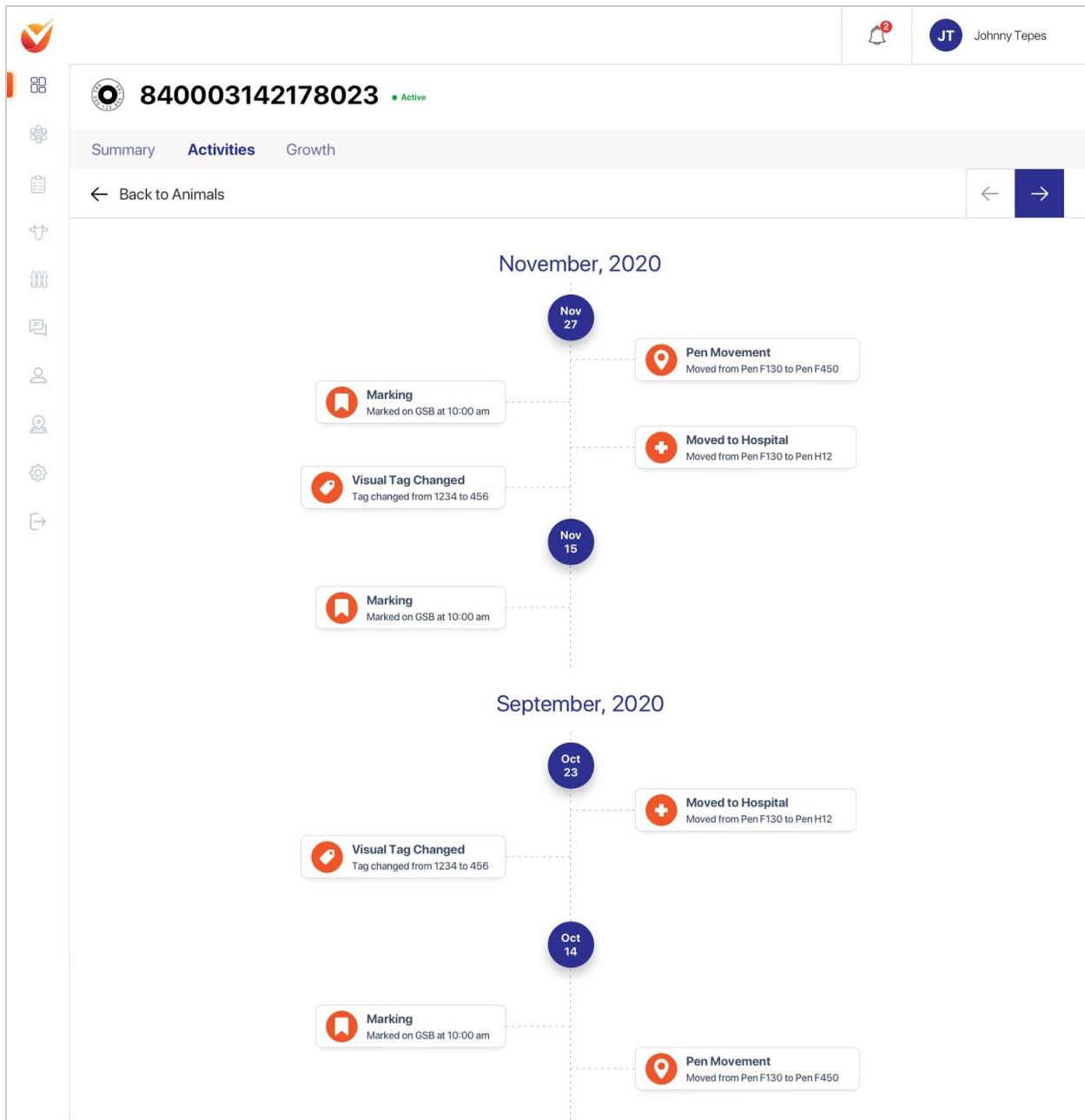
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2. Users can click on the left and right arrow to move between animals.
3. Weight specific numbers will be displayed in lbs or kg based on a user's settings.
4. Users can't edit the following information:
 - a. Pen
 - b. Days in Pen
 - c. Last Appeared On
 - d. Feed Intake to Date
 - e. Weight Gained to Date
 - f. All fields in System, Animal, and Forecast Performance
5. Users will be able to mark / unmark animals for spray.
 - a. Users can edit the following information:

Field Name	Type	Length	Required	Error Message
EID	Numeric		Yes	Required (If left empty)
Visual Tag	Alphanumeric		No	
Breed	Single Select Searchable Dropdown		No	
Sex	Single Select		No	
Lot Number	Alphanumeric		No	
Lot Entrance Date	Date		No	
Lot Entrance Weight	Number + Metric Selection (Lb or Kg)		No	
Status	Dropdown: Active & Inactive		No	

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3.6.5.2. Activities - Animal Details



1. Users will be able to see activities associated with an individual animal.
2. Month and Days will appear in descending order.
3. If a month or day doesn't have any activity in it, it will not be displayed.

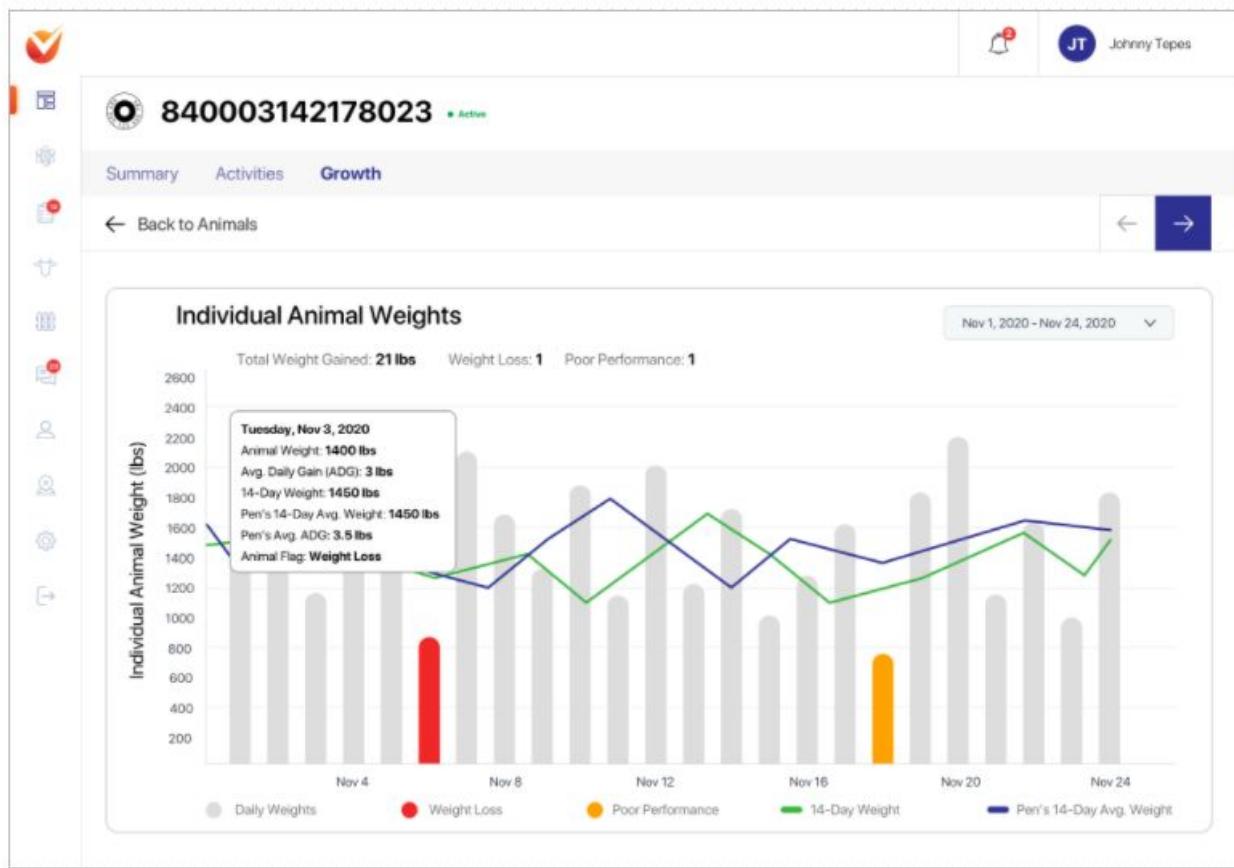
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4. First 20 activities will be displayed by default. Infinite scroll will be used to display more activities.
5. Following are the different activity types and messages:

Activity Type	Messages
Status	<ol style="list-style-type: none">1. Marked as active2. Marked as inactive
Marked	<ol style="list-style-type: none">1. Marked on GrowSafe Beef at 10:00 am
Pen Movement	<ol style="list-style-type: none">1. First appeared in Pen F3102. Moved from Pen F310 to Pen F450<ol style="list-style-type: none">a. If an animal first appeared in Pen A and later appeared in Pen B, pen movement will be automatically recorded.
Data Updated	<ol style="list-style-type: none">1. Data updated via CSV Upload
EID Changed	<ol style="list-style-type: none">1. EID changed from 8400000000000000 to 8500000000000000

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3.6.5.3. Growth - Animal Details



1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Custom Date Range
 - i. Users will not be able to select a future date
2. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
3. Chart:
 - a. Users will be able to see total weight gained for the selected date range
 - b. Users will be able to see the total number of times Weight Loss Animal Flag has been raised for an individual animal in the selected date range.

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- c. Users will be able to see the total number of times Poor Performance Animal Flag has been raised for an individual animal in the selected date range.
 - d. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Animal Weight (lbs or kg)
 - ii. Average Daily Gain (lbs or kg)
 - iii. 14-Day Weight (lbs or kg)
 - iv. Pen's 14-Day Avg Weight (lbs or kg)
 - v. Pen's Avg ADG (lbs or kg)
 - vi. Animal Flag
4. X-Axis:
- a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
 - b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
 - c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
 - d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
 - e. Display more months accordingly
 - f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020
5. Y-Axis:
- a. Individual Animal Weight (lbs or kg)
 - b. Scale:
 - i. 0
 - ii. 200
 - iii. 400
 - iv. .
 - v. 2400
 - vi. 2600

3.6.6. List of Pens

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The screenshot shows a user interface for managing pens. At the top, there's a header with a logo, a notification bell icon with a red dot, a user profile (JT Johnny Tepes), and a search bar labeled "Search by Pen". Below the header is a section titled "All Pens 50". This section includes a "SORT" dropdown set to "Animals" and filters for "Avg. ADG" and "Avg. Weight". A search bar is also present here. The main area contains a grid of 15 pen cards, each representing a pen named "Pen F310" located at "Angus Farms". Each card displays the following data:

Min ADG	Avg. ADG	Max ADG
0.81 lbs	1.45 lbs	1.92 lbs
Min Weight	Avg. Weight	Max Weight
544 lbs	636 lbs	761 lbs
ANIMALS 40	ANIMALFLAGS 3	

Each card has a grey border. Some cards have a red border around the animal flags section, indicating recent activity. The sidebar on the left features icons for home, dashboard, reports, animals, pens, users, and settings.

1. Users will be able to see a list of pens in the entire operation. Initially 15 pens will be displayed. Infinite scroll will be used to display more pens.
2. Users will be able to see the total number of pens. The number will be updated based on filters and search applied.
3. If there is any animal flag in a pen in the last 48 hours, it will be highlighted with a red border.
4. Color of a pen's card changes to grey on hover.
5. Users can sort the list by:
 - 5.1. Animals
 - 5.2. ADG (max for upper limit and min for lower limit)
 - 5.3. Weight (max for upper limit and min for lower limit)
 - 5.4. Animal Flags
6. One click sorting will be used. Only one sorting option will be active at a time.
7. By default, the pens with the highest number of Animal Flags will be on the top.
8. If a user clicks on the number of animals, he will see a list of animals with a preset filter for the pen already applied.
9. If a user clicks on the number of animal flags, he will see a list of animals in the trial with a preset filter for the pen and animal flags already applied.
10. Users can search for a pen using the pen's name.

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11. Users can apply the following filters on the list:
 - 11.1. Location (Dropdown).
 - 11.1.1. Users will see only those locations that are assigned to him.
 - 11.2. Animal Flags
 - 11.2.1. Yes
 - 11.2.2. No
12. Users can see the number of filters applied on the list. For example, if 2 filters have been applied, the user will see number 2 with the filter icon.

3.6.7. Pen Details

3.6.7.1. Summary - Pen Details

The screenshot shows the Vytelle application interface. At the top left is the 'Vytelle' logo. To the right are a bell icon, a user profile icon with 'JD' initials, and the name 'John Doe'. Below the header, the main content area has a title 'Pen F310 Active'. Underneath the title are three tabs: 'Summary' (which is active), 'Animals', and 'Growth'. Below the tabs is a back navigation link '← Back to All Pens' and a navigation bar with arrows. A section titled 'Pen Information' contains three boxes: 'Pen' (F310), 'Location' (Angus Farms), and 'No. Of Positions (GSB Hardware)' (6).

1. Users will be able to view:
 - a. Pen Name
 - b. Pen's Location
 - c. No. of Positions in the Pen

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3.6.7.2. List of Animals - Pen Details

The screenshot shows the 'Pen F310' screen in the Vytelle application. The main title is 'Pen F310'. Below it, there are three tabs: 'Summary', 'Animals' (which is selected), and 'Growth'. A back button 'Back to All Pens' is available. The search bar includes a 'Search' field and a date range 'DAYS ON SITE' set to '30 Days'. The list of animals is displayed in a grid format:

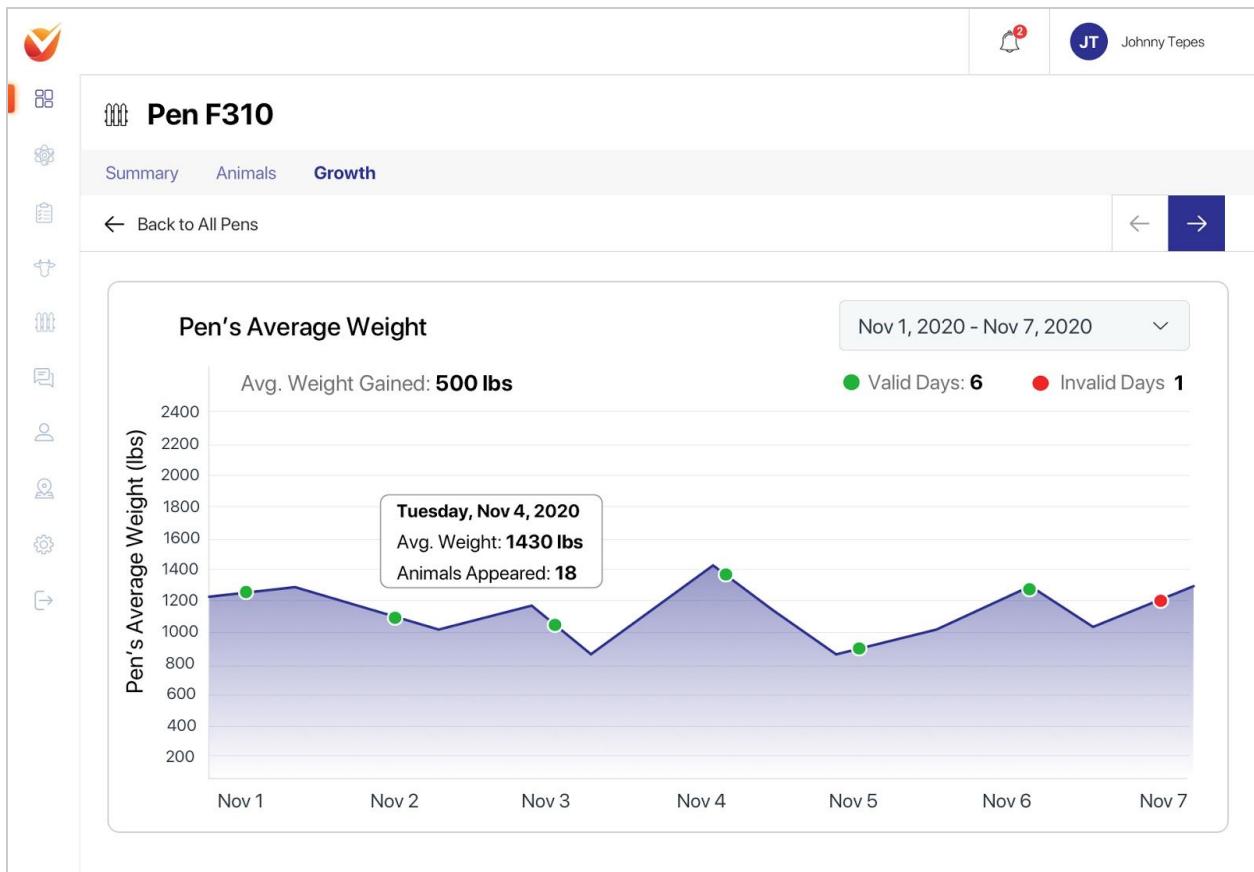
ID	Farm	Lot Number	Sex	Breed	In-Weight	Current Weight	Avg. Daily Gain	30d HCW Forecast	Length of Stay	Time to Market	Days on Site	Animal Flags
840003142178023	Angus Farms	8400031421	Steer	Angus	200 lbs	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	30 Days	3
840003142178023	Angus Farms	8400031421	Steer	Angus	200 lbs	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	30 Days	3
840003142178023	Angus Farms	8400031421	Steer	Angus	200 lbs	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	30 Days	3
840003142178023	Angus Farms	8400031421	Steer	Angus	200 lbs	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	30 Days	3
840003142178023	Angus Farms	8400031421	Steer	Angus	200 lbs	235 lbs	1.21 lbs	200 lbs	90 Days	25 Days	30 Days	3

1. This is the same screen as the List of Animals. However, users will see only those animals that are in a single pen.
2. Users can apply the following filters on the list:
 - a. Animal Flags
 - i. Yes (Only animals with animal flags will be displayed)
 - ii. No
 - b. Inactive Animals
 - i. Yes (Only animals with inactive status will be displayed)
 - ii. No
 - c. Marked for Spray
 - i. Yes (Only animals marked for spray will be displayed)

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ii. No

3.6.7.3. Growth - Pen Details



1. User will be able to select the following date ranges:
 - a. Today
 - b. Yesterday
 - c. Last 7 days (Default)
 - d. Last 30 days
 - e. Custom Date Range
 - i. Users will not be able to select a future date

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2. Weight specific numbers will be in either lbs or kg based on the metric selected by a user in settings.
3. Chart:
 - a. Users will be able to see the total Pen's Average Weight Gained of all the animals in the pen for the selected date range.
 - b. Users will be able to see the total valid and invalid days for the selected date range.
 - c. Valid and invalid days circle markers will be hidden if the selected date range exceeds 45 days
 - d. If a user hovers on a data point (tap for tablet/smartphone), he will see the following details:
 - i. Date
 - ii. Average Weight (lbs or kg)
 - iii. Animals Appeared in a day (Animals appeared on positions in a pen)
4. X-Axis:
 - a. Display all days if the date range is 15 days or less
 - i. Example: Dec 1, Dec 2, Dec 3
 - b. Display only even days if the date range is between 16 to 30 days
 - i. Example: Dec 2, Dec 4, Dec 6
 - c. Display only month if the date range is between 31 to 45 days
 - i. Example: December 2020
 - d. Display two months if the date range is between 46 to 60 days
 - i. Example: November 2020, December 2020
 - e. Display more months accordingly
 - f. Display years if date range selected is more than 12 months
 - i. Example: 2019, 2020
5. Y-Axis: Pen's Average Weight (lbs or kg)
 - a. Show lbs or kgs with based on user settings
 - i. 0
 - ii. 200
 - iii. 400
 - iv. .
 - v. 2200
 - vi. 2400

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3.7. List of Locations

The screenshot shows a list of 15 identical location cards for "Angus Farms IOWA". Each card contains the following information:

- Name:** Angus Farms IOWA
- Address:** 9 8451, Lincoln Street, Iowa
- Programs:** Beef Genetics, Beef Marketing
- Filters:** Pens: 50, Nodes: 30, Positions: 20

The interface also includes a sidebar with various icons and a search bar at the top right.

1. Users will be able to see a list of locations in the entire operation. Initially 15 locations will be displayed. Infinite scroll will be used to display more locations.
2. Users will be able to see the total number of locations. The number will be updated based on filters and search applied.
3. Color of a location's card changes to grey on hover.
4. Location will be listed in ascending order by name. Numbers will be given preference over alphabets.
5. Users can search for a location using the location's name.
6. Users can apply the following filters on the list:
 - a. Program
 - i. Beef Genetics
 - ii. Beef Marketing
7. Users can see the number of filters applied on the list. For example, if 2 filters have been applied, the user will see number 2 with the filter icon.

3.8. Location Details

3.8.1.1. Info

The screenshot shows the 'Info' tab for the location 'Angus Farms'. The main content area contains the following data:

Name	Type	Address
ANGUS FARMS	FEEDLOT	ANGUS FARMS, 8451 LINCOLN STREET, IOWA

Below this, there are four pairs of input fields for 'Total Pens', 'Active Pens', 'Nodes', and 'Positions', each showing the value '50', '50', '5', and '5' respectively.

In the 'Programs' section, two buttons are visible: 'Beef Genetics' and 'Beef Marketing'. The 'Beef Genetics' button is highlighted with a dark background.

1. Users will be able to see location info
2. Location type defines whether the location is a feedlot, cow-calf operation, seedstock operation, etc.
3. Users will be able to see programs the location is associated with

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3.8.1.2. Users

The screenshot shows the 'Users' section of the Vytelle application for the location 'Angus Farms'. The left sidebar contains icons for Home, Locations, Programs, Reports, and Settings. The main area has tabs for 'Info' and 'Users', with 'Users' selected. A back arrow leads to 'Locations'. On the right, there are navigation arrows and a red 'Add Users' button. The user list shows five entries, each with a name, status (Active), role (Manager), email (john.doe@gmail.com), and programs (Beef Genetics, Beef Marketing). The fifth entry is highlighted.

User Name	Status	Role	Email	Programs
Johnny Tepes Gonzales	Active	Manager	john.doe@gmail.com	Beef Genetics, Beef Marketing
Johnny Tepes Gonzales	Active	Manager	john.doe@gmail.com	Beef Genetics, Beef Marketing
Johnny Tepes Gonzales	Active	Manager	john.doe@gmail.com	Beef Genetics, Beef Marketing
Johnny Tepes Gonzales	Active	Manager	john.doe@gmail.com	Beef Genetics, Beef Marketing
Johnny Tepes Gonzales	Active	Manager	john.doe@gmail.com	Beef Genetics, Beef Marketing

1. Users will be able to see a list of users in a location.
2. Users can click on a user to see user details.

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3.9. List of Users

The screenshot shows a user management interface with the following details:

- Header:** Shows a checkmark icon, a notification bell with 2 notifications, and a user profile for "Johnny Tepes".
- Search Bar:** A search input field labeled "Search by Name" with a magnifying glass icon.
- Add User:** A red button labeled "Add Users".
- Left Sidebar:** A vertical sidebar with icons for: Home, Filter, User List, User Detail, Log Out, and Help.
- Table Headers:** The main table has columns for "Users" (50) and a status indicator.
- User Cards:** There are 10 user cards displayed in a grid. Each card contains:
 - Name:** Johnny Tepes Gonzales
 - Status:** * Active
 - Email:** john.doe@gmail.com
 - Role:** Manager
 - Programs:** Beef Genetics, Beef Marketing
 - Locations:** Angus Farms & 2 more locations
- Bottom Buttons:** A "Previous" button and a "Next" button.

1. Users will be able to see a list of app users in the entire operation. Initially 24 users will be displayed. Infinite scroll will be used to display more users.
2. Users can see the total number of users. The number will be updated based on filters and search applied.
3. Color of a user's card changes to grey on hover.
4. Users will be listed in ascending order by name.
5. Users can search for a user using the user's name.
6. Users can apply the following filters on the list:
 - a. Role
 - i. Manager
 - ii. Worker
 - b. Program
 - i. Beef Genetics
 - ii. Beef Marketing

Note: The program filter will appear only if the customer is using both Beef Genetics and Beef Marketing programs.

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- c. Status
 - i. Active
 - ii. Inactive
- 7. Users can see the number of filters applied on the list. For example, if 2 filters have been applied, the user will see number 2 with the filter icon.

3.10. Add, View, and Update Users

The screenshot shows the Vytelle user management interface. On the left is a vertical sidebar with icons for navigation. The main area displays the user profile for 'Johnny Tepes'. At the top right, there is a blue circular icon with 'JT' and a red notification badge with the number '2', followed by the name 'Johnny Tepes'. Below this, the user's name 'Johnny Tepes' is displayed in bold black text, with a green 'Active' status indicator. An orange 'Edit' button is located to the right. The profile page contains several input fields and sections:

- Username:** JOHNNYTEPES
- First Name:** JOHNNY
- Last Name:** TEPES
- Email:** JOHNNY@GROWSAFE.COM
- Role:** MANAGER
- Status:** ACTIVE
- Phone:** +1 234 56 67890
- Locations:** 3 LOCATIONS SELECTED (Angus Farms Iowa, Angus Farms Boise, Angus Farms Illinois)
- Programs:** 1 PROGRAM SELECTED (Beef Genetics)

1. Admin's account will be created by Vytelle.
2. Admins can create, view, and update users.
3. Admins can mark a user as inactive.
4. Admin can edit a user. Following fields can be edited:
 - a. First Name
 - b. Last Name
 - c. Phone Number
 - d. Role:
 - i. Manager

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ii. Worker

- e. Locations (Multi-Select Searchable Dropdown)
- f. Programs (Multi-select)
 - i. Beef Genetics
 - ii. Beef Marketing

Note: The option to select programs will appear only if the customer has both Beef Genetics and Beef Marketing programs.

g. Status

- i. Active
- ii. Inactive

3.11. Notifications

3.11.1. Pop-up

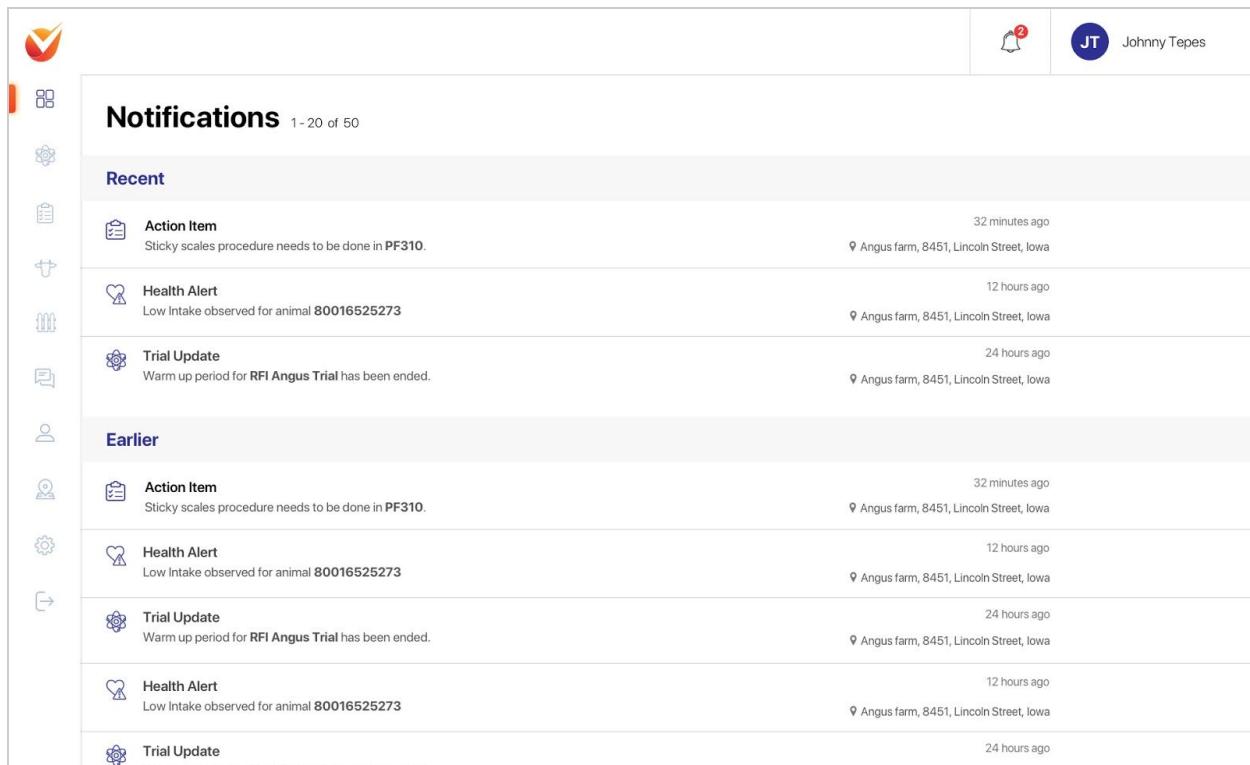
The screenshot shows a mobile application interface. On the left, there's a vertical navigation bar with icons for Home, Locations, Plans, Animals, and Reports. The main area displays a grid of cards for 'Locations'. Each card shows a location name ('Angus Farms IOWA'), address ('8451, Lincoln Street, Iowa'), plans ('Beef Genetics, Beef Marketing'), and counts for Pens (50), Nodes (30), and Positions (20). To the right of the locations grid is a 'Notifications' section. It includes a header with a bell icon and a user profile ('JT Johnny Tepes'). Below this are two sections: 'Recent' and 'Earlier'. The 'Recent' section lists three notifications: 'Action Item' (sticky scales procedure needs to be done in PF310, 32 minutes ago), 'Health Alert' (Low Intake observed for animal 80016525273, 12 hours ago), and 'Trial Update' (Warm up period for RFI Angus Trial has been ended, 24 hours ago). The 'Earlier' section lists four notifications: 'Action Item' (sticky scales procedure needs to be done in PF310, 4 days ago), 'Health Alert' (Low Intake observed for animal 80016525273, 8 days ago), 'Trial Update' (Warm up period for RFI Angus Trial has been ended, 1 week ago), and 'Action Item' (sticky scales procedure needs to be done in PF310, 1 month ago). A 'View All' button is located at the top right of the notifications section.

1. The top part of the popup Notifications Heading and View All button are sticky.

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2. The notifications icon will show a counter reflecting the number of unseen notifications. After pop-up is opened, the counter will be set to zero for that user.
3. All notifications within the last 24 hours will be displayed under the heading Recent. If there are no notifications in the last 24 hours, the heading Recent will not be visible.
4. All notifications after 24 hours have passed will be displayed under the heading Earlier.
5. Admins will be able to see a total of 20 notifications in notifications dropdown.
6. Admins can click on the view all button to see all the notifications.

3.11.2. All Notifications



The screenshot shows the 'Notifications' page in the Vytelle application. The page has a header with a logo, a notifications icon with a red badge, and a user profile for 'Johnny Tepes'. On the left, there is a sidebar with various icons. The main content area is divided into two sections: 'Recent' and 'Earlier'. Each section lists four notifications:

Type	Description	Timestamp	Location
Action Item	Sticky scales procedure needs to be done in PF310.	32 minutes ago	Angus farm, 8451, Lincoln Street, Iowa
Health Alert	Low Intake observed for animal 80016525273	12 hours ago	Angus farm, 8451, Lincoln Street, Iowa
Trial Update	Warm up period for RFI Angus Trial has been ended.	24 hours ago	Angus farm, 8451, Lincoln Street, Iowa
Action Item	Sticky scales procedure needs to be done in PF310.	32 minutes ago	Angus farm, 8451, Lincoln Street, Iowa
Health Alert	Low Intake observed for animal 80016525273	12 hours ago	Angus farm, 8451, Lincoln Street, Iowa
Trial Update	Warm up period for RFI Angus Trial has been ended.	24 hours ago	Angus farm, 8451, Lincoln Street, Iowa
Health Alert	Low Intake observed for animal 80016525273	12 hours ago	Angus farm, 8451, Lincoln Street, Iowa
Trial Update	Warm up period for RFI Angus Trial has been ended.	24 hours ago	Angus farm, 8451, Lincoln Street, Iowa

1. All notifications within the last 24 hours will be displayed under the heading Recent. If there are no notifications in the last 24 hours, the heading Recent will not be visible.
2. All notifications after 24 hours have passed will be displayed under the heading Earlier.
3. Initially 20 notifications will be displayed. Infinite scroll will be used.

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3.11.3. Notification Types

Program	Heading	Message	Link
Beef Genetics	Action Item	Action item [Action Item Name] has been created for [Pen Name].	Trial Action Item Details
Beef Genetics	Trial Update	<ul style="list-style-type: none"> 1. [Trial Name] has been activated by Vytelle's technical services representative. 2. Warmup period for [Trial Name] will end today. The trial will start tomorrow. 3. [Trial Name] has been marked as complete by Vytelle's technical services representative. 	Summary - Trial Details
Beef Genetics	Animal Flag	<ul style="list-style-type: none"> 1. Low Feed Intake observed for animal [EID] in pen [Pen Name] 2. Weight Loss observed for animal [EID] in pen [Pen Name] 3. Poor Performance observed for animal [EID] in pen [Pen Name] 4. Animal [EID] in pen [Pen Name] hasn't had any feed intake since the last [X] hours. 5. Animal [EID] in pen [Pen Name] hasn't had any water intake since the last [X] hours. 	Trial Animal Details
Beef Marketing	Action Item	Action item [Action Item Name] has been created for [Pen Name].	Action Item Details
Beef Marketing	Animal Flag	<ul style="list-style-type: none"> 1. Weight Loss observed for animal [EID] in pen [Pen Name] 2. Poor Performance observed for animal [EID] in pen [Pen Name] 3. Animal [EID] in pen [Pen Name] hasn't had any feed intake since the last [X] hours. 4. Animal [EID] in pen [Pen Name] hasn't had any water intake since the last [X] hours. 	Animal Details

3.12. User Settings

The screenshot shows the 'Settings' page under the 'User' menu. On the left is a sidebar with icons for Home, Settings, Units of Measurement, Change Password, Log Out, and Help. The main area has a header 'Settings' and a sub-header 'Units of Measurement'. Under 'Weight', there is a dropdown menu set to 'KILOGRAM (KG)'. Below it is an 'Update' button. The next section is 'Change Password' with fields for 'Old Password', 'New Password', and 'Confirm Password', each with its own 'Update' button.

1. Users will be able to select their preferred unit of measurement for weight:
 - a. Kilograms (kg)
 - b. Pounds (lb)
2. Default unit of measurement for a user will be pounds.
3. Users will be able to change their passwords.
4. If the old (current) password is incorrect, the user will see the message: Invalid Password. The field will be highlighted to show error states.
5. If the New Password and Confirm New Password do not match, the user will see the message: Passwords don't match. Fields will be highlighted to show error states.