Forum

We introduced **Forum**, a new module/**BRIC** in our application with the following features:

- Forum is a discussion board for account users for posting messages, interacting with each other, and discussing various topics
- It is organized into categories or topics, with each thread containing posts and replies from multiple users
- It will be moderated by operations team members to ensure that the posts and comments have appropriate content
- Email Notification is sent to the users if their posts are Edited/Deleted by the moderators
- This is currently enabled on FITBIR (on both Portal and Public Sites), cdRNS (on both Portal and Public Sites) and NEI (only on Portal)

Workspace

We repurposed the Admin Dashboard under the workspace and added a couple of new dashboards under it. The page now has 3 tabs:

- **Study Chart**
  - Displays graph and data pertaining to the instance's study
  - The users can download the data
- **Funding Chart**
  - Displays Funding information from various funding sources for all the studies
  - The users can download the data
- **Links**
  - This is carry-on existing table with links to Account and Repository Modules

ProFoRMS

The following work was done for the ProFoRMS module:

- User Interface: Adjusted column widths on multiple tables
- Auto Population the Data Collections Fields at the Data Element Level:
  - Added a new feature in ProFoRMS where the users based on privileges can configure auto population during data collection
  - Once the user fills out the first collecting, subsequent collections will be pre filled with the same data for the same GUIDs
  - This would minimize errors when collecting data for the subjects, especially on the fields common across the visit types

Subject Management/GUID

- Enhanced one of the error messages on Search for a GUID/Pseudo GUID to indicate that certain letter and numbers are not part of the GUID string
- NEI – Migrated the NEI GUIDs to Centralized GUID DB a few weeks back

Data Dictionary

The following changes were made under the Data Dictionary module:

- **Data Elements**
    - Updated the actionable button appearance on the Admin interface to reflect correctly based on the selected DE status
    - Moved the actionable button to the top of the table for better usability
    - User Interface: Adjusted column widths on multiple tables
    - Migrated the Documentation files from SFTP to File Repo
- **Form Structure**
    - User Interface: Adjusted column widths on multiple tables
    - Added the capability to search the Form Structures by Form Structure Keywords
    - Migrated the Documentation files from SFTP to File Repo
- **Create eForm/eForm builder**
    - eForms – Added the capability for the users to select the options to display the PVs/PVDs in single column instead of the default 2 columns
    - Migrated the Question Images from the eForms from SFTP to File Repo

Data Repository

The following changes were made under the Data Repository module:

- **View Studies Table**
    - Added a new feature for the users to **hide and show columns** based on the selected dropdown items
    - Added a new column: **Subjects**, which displays the unique GUIDs/Pseudo GUID count based on the submitted data for the study
    - Updated the spacing between the lines on Study Details page
    - Improved the format for one of the Admin Study Reports by adding bulleted study list
- **Edit Studies**
    - Aligned the Flag icon and column width across various tables
- **DOI**
    - Transitioned to the **new service provider for DOIs** for Studies and Meta Studies
- **Submission Tool**
    - **Retired the webstart version** of the Submission Tool
    - Optimized the File loading, validation and upload capabilities – Further enhancements to come in Raven release
    - Added the ability to upload multiple CSVs within sub-directories

- Enhanced the Validation Report to display only the first 100 Errors/Warnings for faster validation results
- Updated the validation rule to accept milliseconds during validation
- Updated the Extra Validation Keys
- **Download Tool**
- **Retired the webstart version** of the Download Tool
- Adjust the display to show the selected items on the top of the table under the Package Content table
- **PDBP Biosample**
- Updated the derived data pull based on the new criteria for catalog import

Query Tool

- Enhanced the Query Tool UI for Studies and Forms in the Right Panel. The Study Title/FS Names show up in bold and added icons for Subjects and Count for FS/Studies
- Replaced the Triplanar image rendering with **VolViewer**. VolViewer is an image rendering tool that is commonly used in the field of medical imaging. It allows users to view and manipulate volumetric data, such as CT or MRI scans, in a 3D space
- Added the Data Types (Pre-Clinical, Clinical, Biosample, Imaging and Other Omics) under the left panel
- FITBIR Only – Fixed the long time issue with Vineland FS not loading in QT
- PDBP Only – Updated the criteria for Change in Diagnosis
- Data Element Search – Enhanced the UI for better usability by shortening the table height
- API – Added a couple of new APIs for Study Searches

Accounts

- Added the **Account Dashboard:**
  - PDBP – We had to open a portal on PDBP Cloud in Production for this API which was done this afternoon and the dashboard is working now
  - FITBIR – Working for FITBIR
  - cdRNS and NEI – Currently Hidden and will be enabled with Quicksilver Minor Release
- Added the ability for the admin user to Cancel Permission Group requests
- Added Download button to Account Group Lists
- Confirmation message is provided to the admin after sending reset password link
- Migrated Account Files from SFTP to File Repo

Biosample

- Made OID button linked under the "Your Orders" table
- Migrated Order Manager Files from SFTP to the File Repository

Miscellaneous

- Merged CASA changes to our codebase

- Added Expand/Collapse for informational text across multiple data table
- Made several Property File Changes as applicable

Library Upgrades

- Upgraded Spring library to 5.8.0
- Upgraded Spring cloud Netflix Eureka library to 3.1.4
- Upgraded Spring Boot to 2.7.6
- Upgraded handlebars to 4.7.7
- Upgraded Postgres JDBC driver
- Upgraded JQuery to 3.6.1
- Upgraded log4j to 2.19.0
- Upgraded Hibernate to 5.6.14
- Upgraded Spring security library to 6
- Copied a couple of libraries (JQuery-min, JQuery-UI) to our local codebase since the CDN calls were being blocked by CIT

Public Site

- **General/Across Instances**
  - Updated **Drupal version from 9 to 10.0.5**
  - Update Slider module used with themes/sites
- **PDBP Public Site**
  - UI Update – When the user hovers over a mega menu, the background page gets grayed out
  - Added Sub-Header capability to the Project page in Drupal
  - Reduced space between bar and text of tabs
  - Added back the Dictionary page on the public site
- **FITBIR and cdRNS Public Sites**
  - Added the View Only pages for Forum