

902403 - Expedition DB Modern

Week 51

1. Mike McCann
 - a. Working on Step 2 of new Precruise entry process

Week 50

1. Mike McCann
 - a. Working on new Precruise entry, tracking at <https://github.com/mbari-org/expd-django/issues/37>

Week 49

1. Mike McCann
 - a. Wrote up an Issue regarding how we should be doing user authorization in expd-django
 - b. Reading up on alpinejs and sweetalert2 for creating the best Precruise forms in expd-django

Week 48

1. Mike McCann
 - a. Wrote up an Issue regarding how to proceed on authorization/permissions
 - b. Looking into using HTMX and django-template-partials for responsive Precruise entry pages

Week 46

1. Mike McCann
 - a. Added [EMDB cronjob](#) to update Expd's RovctdBinData tables (elon & elat columns) with newly edited and loaded ROV nav data
 - b. Reviewed project milestones and labor budget with project team
 - c. Presented [growing list of Issues](#) and invited comments and discussion there

Week 45

1. Mike McCann
 - a. Fleshing out Precruise pages
 - b. Collecting several [more Issues](#) that have been provided by our users

Week 43

1. Mike McCann
 - a. Submitted project update slides for board meeting
 - b. Implemented most of the Postcruise functionality outlined in [Issue 12](#)
 - c. Added email capability to be used for Postcruise and Precruise entry in EXPD

Week 41

1. Mike McCann
 - a. Working on [Issue 12](#): Implement Postcruise entry forms – fleshing out entering Dives

Week 39

1. Brian Schlining
 - a. Continuing work on database cleanup and redesign.

Week 38

1. Mike McCann
 - a. Phase 1 feedback answers provided
 - b. Explored various API methodologies for browser delivery of CSV formatted rovtcd and nav data
 - c. Continuing to develop replacement Postcruise processes for the legacy EXPD web application
2. Brian Schlining
 - a. Work on prototyping, cleaning up, and greatly simplifying the database schema.
 - b. [Started work](#) on porting data from existing database into the prototype

Week 37

1. Kevin Gomes
 - a. Progress meeting and discussions about APIs/ORMs/current processing steps
2. Mike McCann
 - a. Continuing to work on Postcruise process in expd-django
 - b. Added Legacy data links column to the [Expeditions view](#)
 - c. Fixed popEDwithDBqueries_perseus.pl to not not add ROVCTD links to Paragon & Packard
 - d. Looking at rest-pandas package for replacing the Legacy data links with something smarter
3. Brian Schlining
 - a. Iterating on improving the [EXPD database design](#).

Week 36

1. Kevin Gomes
 - a. Meeting
 - b. Digging into source code locations to compile list of all client software
2. Mike McCann
 - a. Continuing to work on Postcruise process in the expd-django project
 - b. Struggling a bit with replacing “normal” ORM create functionality with a legacy stored procedure
3. Brian Schlining
 - a. Starting work on a refactored/modernized/simplified database schema.

Week 35

1. Mike McCann
 - a. Continuing to work on the Postcruise process, namely adding Dives to Expeditions

Week 34

1. Kevin Gomes
 - a. Meeting
2. Mike McCann
 - a. Buffing out postcruise update form, mimicking the Legacy form as much as possible

Week 33

1. Mike McCann
 - a. Bringing prototype <https://expd.shore.mbari.org> server back up for REST API testing

Week 25

1. Mike McCann
 - a. Configuring MBARI Single Sign On for the prototype new expd web front end

Week 24

1. Kevin Gomes
 - a. Meeting
2. Mike McCann
 - a. Waiting on https certificates for expd.shore.mbari.org before configuring MBARI Duo signin
 - b. Replicating the Advanced search functionality in the expd-django project
 - c. Wrote proposal text for project renewal

Week 23

1. Mike McCann
 - a. Had IS create the expd.shore.mbari.org VM for hosting of expd-django
 - b. Added additional ROV data endpoints and configured the admin interface for expd-django

Week 21

1. Mike McCann
 - a. Testing capstone team's Flask implementation for an EXPD API

Week 20

1. Mike McCann
 - a. Reviewing capstone teams work on an API using Flask and Google authentication

Week 19

1. Karen Salamy
 - a. Spent a little time going over various needs that the new EXPD would need to be addressed in order to provide Science Users with their various requests.

Week 18

1. Kevin Gomes
 - a. Worked up document of current high level view of workflow and how we might create staging system
 - b. Meeting
2. Mike McCann
 - a. Updated [development system setup instructions](#) for the expd-django project
3. Carlos Rueda
 - a. Group meeting.
4. Karen Salamy
 - a. Attended the biweekly EXPD modernization team meeting yesterday afternoon.

Week 17

1. Karen Salamy
 - a. Working this week on various test scenarios for Science functionality requests for the upgraded EXPD and what would need to be provided on the back end to make these requests happen.

Week 16

1. Mike McCann

- a. Reading Django REST Framework and drf-spectacular documentation
 - b. Experimenting with adding REST endpoints to the expd-django
2. Karen Salamy
 - a. Spent some time working on use
3. Brian Schlining
 - a. Started work on [adding foreign keys](#) to the existing database tables

Week 13

1. Karen Salamy
 - a. Chatted with Mike M. about various tests and test UIs for the team to date.

Week 12

1. Mike McCann
 - a. Demonstrated expd-django running from my development system
2. Brian Schlining
 - a. Met with Mike to discuss next steps.

Week 11

1. Mike McCann
 - a. Got Selenium pytest testing to work for the home page in [expd-django](#)
2. Karen Salamy
 - a. Looking at upgrade testing scenarios and stories.

Week 10

1. Mike McCann
 - a. Working on [expd-django](#) that connects to expd on foggy
2. Brian Schlining
 - a. With Mike and Kevin, working out the [workflow for pre/post cruise info](#)

Week 9

1. Brian Schlining
 - a. A few weeks ago we met with MAAS Engineering about their [Marine Facilities Planning software](#). Brian is collecting questions and feedback for a follow up with MAAS.

Week 8

1. Mike McCann
 - a. Replaced drf-gis with PostGIS GeoJSON build reducing [emdb](#)'s load time from 200 to 0.1 sec

Week 7

1. Mike McCann
 - a. Learning about and implementing Leaflet AJAX data loading by fixing EMDB's home page
 - b. Adding generic filtering to EMDB's DRF so that the UI can better use the REST backend
 - c. Rolled out MBARI Single Sign On in EMDB
2. Karen Salamy
 - a. Working on generating EXPD diagrams for improvements requested by users.
3. Brian Schlining
 - a. Met with Maas engineering, the team behind [Marine Facilities Planning](#) software.
 - b. Put together a somewhat [simplified diagram of the current EXPD database](#).

Week 6

1. Duane Edgington
 - a. User story meeting Feb 6.
2. Mike McCann
 - a. Team meeting to start collecting user stories in a Google Jamboard
 - b. Meeting with capstone team on Friday – they picked GraphQL
 - c. Exploring OAuth2 social account implementation in EMDB
 - d. Cleaned up EMDB pagination and implemented infinite scroll for Expeditions view (using HTMX)
3. Karen Salamy
 - a. Attended this week's meeting. Will carve out some time to try and write up a few simple user requests between now and the next meeting.
4. Brian Schlining
 - a. The team worked on user stories to guide development.
<https://github.com/mbari-org/expd-feedback/issues/4>
 - b. Investigating off-the-shelf "Marine Facilities Planning" software as a potential replacement for the EXPD web interface. <https://mfp.us/>

Week 5

1. Karen Salamy
 - a. Attended bi-weekly meeting last week. I will be assembling all science input for the new EXPD mockups for the team.

Week 4

1. Duane Edgington
 - a. Team meeting 1/23
2. Kevin Gomes
 - a. User story meeting
3. Mike McCann

- a. Submitted project idea (EXPD REST/GraphQL) for CSUMB CS capstone team(s)
 - b. Getting familiar with GitHub project management tools, created repo & Issue for user stories
- 4. Brian Schlining
 - a. User stories meeting

Week 3

- 1. Mike McCann
 - a. Writing some capstone project definitions to tease out some of our user stories
- 2. Karen Salamy
 - a. I heard back from several of the science labs on how to improve their pre/postcruise experience moving forward as we consider mock-ups. I will bring the comments to the next meeting.

Week 2

- 1. Duane Edgington
 - a. Attended kickoff meeting
- 2. Kevin Gomes
 - a. Kickoff Meeting
- 3. Mike McCann
 - a. Held kickoff meeting and scheduled bi-weekly project meetings
 - b. Continuing to study HTMX and reviewing Selenium functional testing
- 4. Karen Salamy
 - a. First meeting kicked off yesterday afternoon.
 - b. Sent a request to various science and engineering science lab managers who submit pre/postcruises often asking for feedback on the existing web forms and what functionality would help streamline their experience.
- 5. Brian Schlining
 - a. Attended kick off meeting. Setup an [issue track](#) and [GitHub project](#) to coordinate and track work.
 - b. IS has [setup a testing database](#) as EXPD@foggy.shore.mbari.org

Week 1

- 1. Mike McCann
 - a. Created 902403_EXPD_Modernization folder in projectlibrary for Capstone presentations
 - b. Scheduled kickoff meeting for next Tuesday