Setup of Finder Module Local Clone:
- Install PHP 7.4 and ensure it is registered in system PATH.
- Install Composer and run to create a Drupal 8 site.
    - composer create-project drupal-composer/drupal-project:8.x-dev finderNU –stability dev –no-interaction
- In Powershell, navigate to finderNU/web and run the following command: php -S localhost:8888
- In web/modules/contrib run:
  "git clone https://github.com/CornellCustomDev/CD-finder.git finder"
- In settings.php configure trusted host patterns.
    - For local:
      $settings['trusted_host_patterns'] = [
      '^localhost$',
      '^127\.0\.0\.1$',
      '^localhost\.localdomain$',];
- To change the title of the application, edit _title in finder.routing.yml.
- On the website (localhost:8888), enable the finder module in "Extend"

Populating the Finder Module:
- Navigate to structure > taxonomy then control_type and add checkbox and radio elements.
- Navigate to taxonomy then click "list terms" next to "facets" and create a two level hierarchy of questions and answers.
    - To create this, click add term. The question itself will serve as the parent, set its parent to the root under "relations". Answers will be children to the question; under "relations" click on the associated question to add it as a child.
- Navigate to Admin > Structure > Paragraph Types > Service Paragraphs > Manage fields and then add service paragraphs. Service paragraphs represent details on the specific service. For example, the instructions to access a data storage option or the cost of the service can be a Service Paragraph. These are what will show in the comparison table.
- To add services to the website, navigate to content then click "add content".
    - You will first want to create a service named "Help" and for all the service paragraphs describe their purpose. For example, for a service paragraph called "Access instructions", write "Compares data access methods". Without the Help service, the comparison table will not render.

- For all other Services, select the facets matching it at the top and then fill in the details for Service Paragraphs below.

Redesigning the Finder module:
- To re-style the application, in files navigate to finder.css and change the styling of desired elements. Use inspect element to find class names and IDs to edit style for.
- To remove unnecessary sidebar and use full screen, disable or delete all "Block Layouts" connected to the sidebar under Content > Block Layouts.
- To remove the unnecessary navigation bar, disable or delete all "Block Layouts" connected to it under Content > Block Layouts.
- To edit the layout of the home page, including page titles and subheadings, edit finder.html.twig.
- **To ensure collapsable information panels work properly**, navigate to app.js.
    - Look for the Mustache template labelled question-checkbox-template
    - Replace "<a aria-haspopup… " with \
    More info about {{question}}\

    - Add Bootstrap js to finder.libraries.yml.

Email Service:
- In app.js, find where email addresses are pushed and replace the admin/helpdesk email address with the email address of the actual site/site admin.
- Navigate to Configuration and under System select SMTP Authentication Support
- For gmail, set server to smtp.gmail.com, the port to 587, and select "use TLS" under "use encrypted protocol"
- Scroll down to "SMTP authentication", put in the admin email address and the "App Password" created for the Gmail Account.
    - App Passwords can be created in Gmail account settings.
- Scroll down to Email Options, put the desired email that mail to the user will come from and the name of the application.
- Put in an email for testing, hit save, and confirm the email was received. If the email fails, an error will show at the top of the screen after a few seconds.