Schedule 4: Phase 3 work

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Version History

Version	Description	Author	Date
1.0	Initial Draft	Nigel Banks	August 31st, 2016
1.1	Revision based on Feedback / new wireframes, and discussion with James	Nigel Banks	September 14th, 2016
1.2	Additional feedback and more hours for general consulting	Nigel Banks	September 15th, 2016
1.3	Additional feedback.	Nigel Banks	September 16th, 2016

Drupal Critical Edition Page(s)

Create two new Drupal Content types:

- Critical Edition Home Page (Fig 1)
- Critical Edition Regular Page (Fig 2)

The “Critical Edition Home Page” content type will function much in the same way as the “Section page” content type currently functions. It will be accessible via *Level 2*, and displayed very similar to how *Level 3* pages currently are displayed with some exceptions noted below:

- Above the title a drop down menu links associated “Critical Edition Regular Pages”
- Below the title a subtitle in 24px italics

The “Critical Edition Regular Page” content type will function much in the same way as the “Section page” content type currently functions. Except it will only be accessible via a drop down menu displayed on its associated “Critical Edition Home Page” page. The display of “Critical Edition Regular Page” content type will also be very similar to how *Level 3* pages are currently displayed with some exceptions noted below:

- Above the title a drop down menu links associated “Critical Edition Regular Pages”

A drop down menu is already in use for navigation of the site, this new dropdown will appear stacked with the existing dropdown. Also a good portion of the time associated with this item is to do with the current implementation of the theme and the display settings in Drupal, as they are built with the assumption that they would only apply to “Section page” content type.

Fig 1:

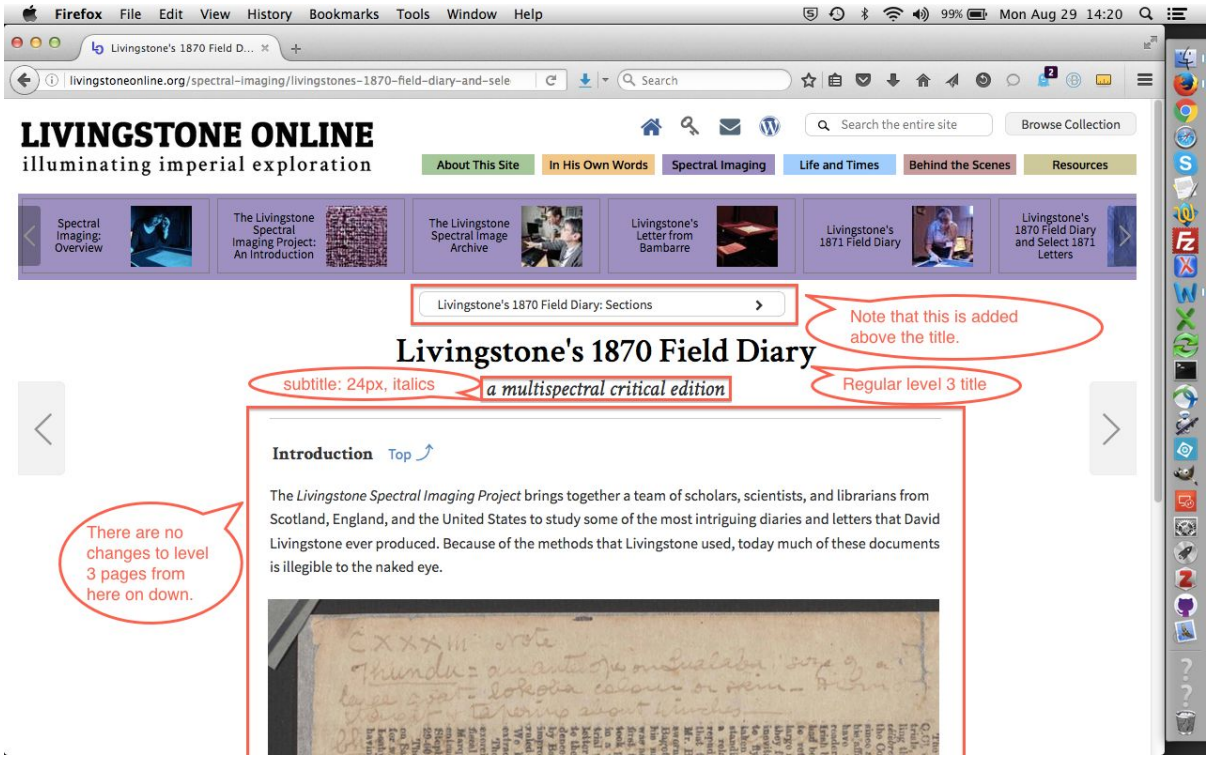
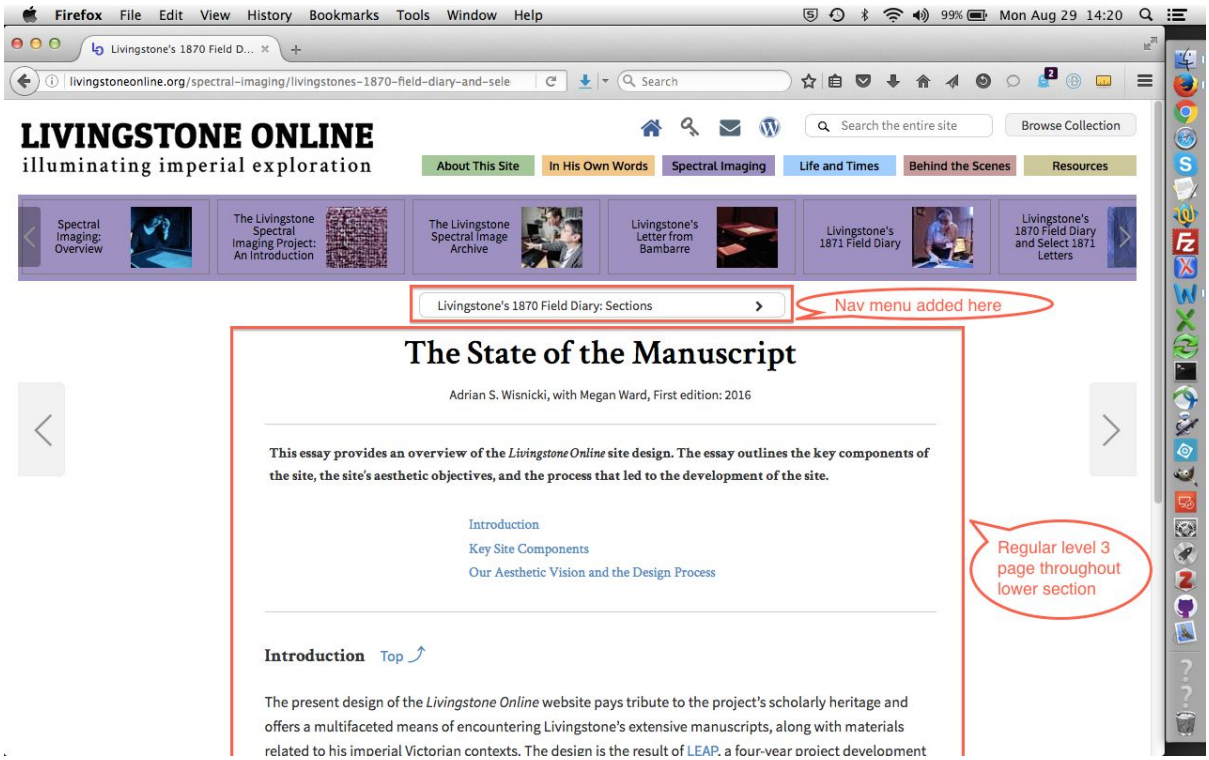


Fig 2:

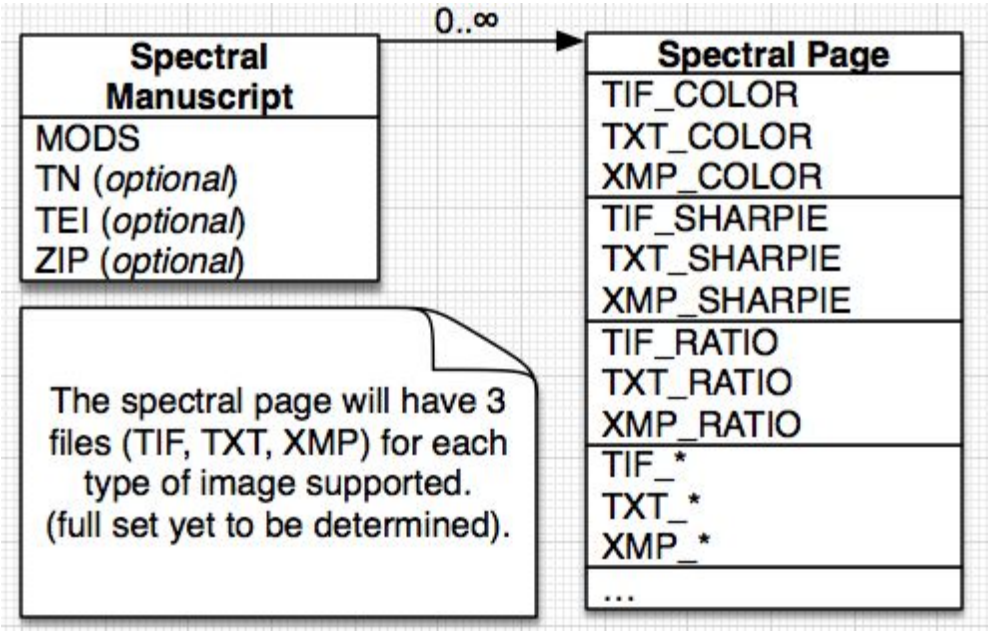


Estimate: 16 hrs

Spectral Content Model

This content model will track very closely to our existing manuscript model, having a very similar structure shown below:

Fig 3:



For each of the identified image types below we'll have three files (TIF, TXT, XMP).

- color
- ratio_by_0940
- pca321r_pcolor
- pca421r_pcolor
- pca621r_pcolor
- pca721r_pcolor
- pseudoratio_0505-0780
- pseudo_0505-0780
- pseudo_0780
- pseudo_0780_by_0940
- pseudo_940_by_592
- pseudoBY_940_by_592
- red_green
- PCA_pseudo_(NLS10703_052_ stats)
- PCA_pseudo_(NLS10703_054_ stats)
- ICA_pseudo_(DLC297d_trans)
- ICA_pseudo_(NLS10703_trans)
- pca321r_adapThresh
- pca321r_adapThresh_multiply
- pca321r

- pca321r_1_adapThresh_multiply
- pca321r_1
- pca321r_2_adapThresh_multiply
- pca321r_2
- pca421r_adapThresh_multiply
- pca421r
- pca621r_adapThresh_multiply
- pca621r
- pca721r_adapThresh_multiply
- pca721r
- intercept
- RARR
- RAPRratio
- RAIPratio
- RIRL
- color_raking
- pseudo_raking_irdiff
- raking_irdiff
- sharpie_0505-0780
- sharpieratio_0505-0780
- IC1_(DLC297d_trans)
- IC2_(DLC297d_trans)
- IC3_(DLC297d_trans)
- IC4_(DLC297d_trans)
- IC5_(DLC297d_trans)

To fully support this content model, we'll have to do a number of things.

- Create the Content Model Definition in Fedora.
- Create derivative generation hooks (Generates JP2's for all TIF files).
- Update the Batch Upload / Replace via FTP to support new Content Model.
- Update Drupal Batch Importer to support the new Content Model (Still be stored as Drupal node type **Manuscript**, but adding an additional field to denote the Content Model).

The above changes will allow us to import Spectral data via the FTP and have it appear in Search results & and the Timeline. Showing Spectral image data in the Digital Catalogue is covered in the following section on "Spectral Viewer".

Updating Batch Upload / Replace

Folder Structure

Spectral objects will function very similar to how **manuscripts** currently do, with the exception that they will all be public by default with no option of making private, along with the multiple versions of images (see the previous section for a list of the images types).

- ➔ spectral
  - ◆ liv_012046 (***Single document***)
    - liv_012046_MODS.xml
    - liv_012046_TEI.xml
    - liv_012046_0001 (**Single page**)
      - liv_012046.zip (**Archival backup of page**)
      - liv_012046_0001.gif (**Images combined into gif animation**)
      - liv_012046_0001.tif.xmp
      - liv_012046_0001.tif.txt
      - liv_012046_0001.tif
      - liv_012046_0001_ratio.tif.xmp
      - liv_012046_0001_ratio.tif.txt
      - liv_012046_0001_ratio.tif
      - etc… (**additional images**)
    - etc… (**additional pages**)

Estimate: 8 hrs

Spectral Viewer

The existing Manuscript viewer will continue to look and function as it currently does, but we'll be reusing and building on top of it to support the display of of Spectral Images. To achieve this we'll have to:

- In the Browse by Digital Catalogue page, rather than a camera icon we'll use some other icon, for instance, a lightning flash to indicate that the images for a particular item are spectral images.
- In the Access Options dropdown, the second option will be "View (with spectral images only)."
- Update existing Manuscript Viewer to support Spectral Manuscripts.
- The display will show the color image alongside the first spectral image by default.
- Add ability to select the source image of a given page (currently hard-coded to a single image per page).
- Update interface to have three buttons for the display, allowing the user to choose what's displayed in the various 'panes'. Choices are:
    - Item Details
    - Transcript
    - Image (Spectral or Color) (*The central pane is limited to only images*)
- Add a per page download link (Fig 4).
- Download link in the "Item Details" and in the Browse by Digital Catalogue will create pop display allowing the user to download the each archive per page (Fig 5).

Fig 4:

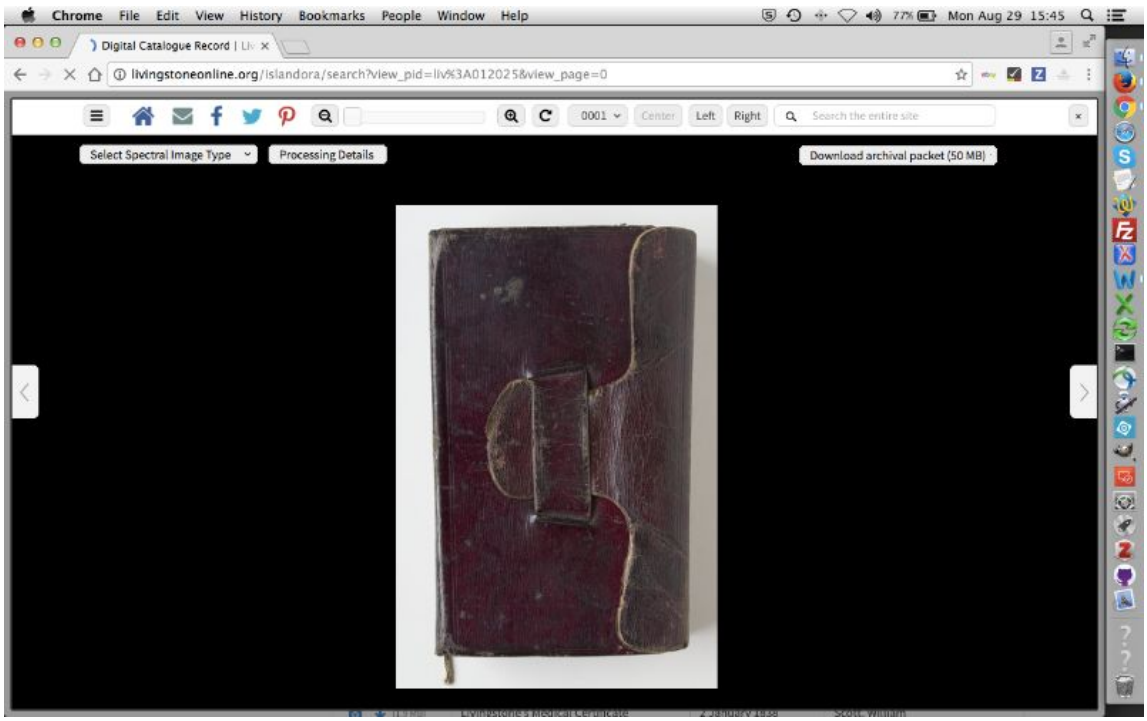
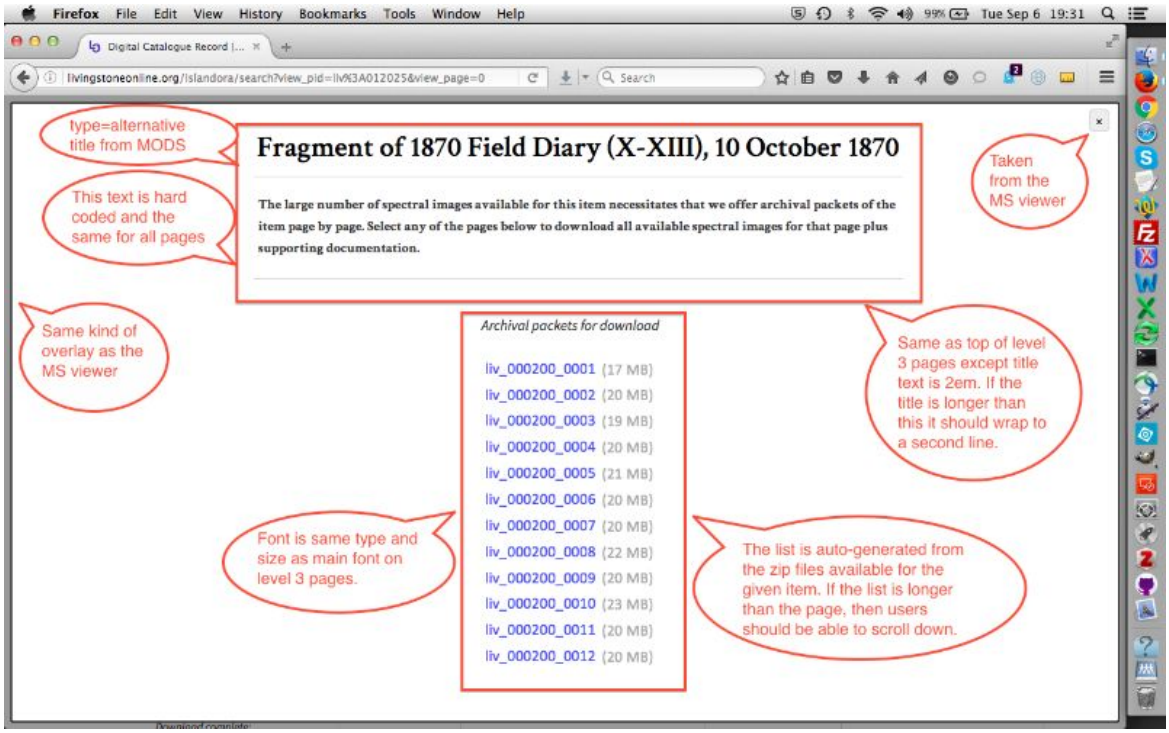


Fig 5:



Estimate: 12 hrs

Alternative TEI XSLT/CSS Support

This change would allow the XSLT/CSS files included in the TEI document of Manuscript/Spectral objects to be used rather than the currently hard-coded XSLT transform and CSS style sheet.

The XSLT transform will be provide as a `<?xml-stylesheet?>` declaration:

```
<?xml-stylesheet type="text/xsl"
href="http://livingstoneonline.github.io/LEAP-XSLT/transcription.xsl"?>
```

And the CSS file will also be provided as a `<?xml-stylesheet?>` declaration:

```
<?xml-stylesheet type="text/css"
href="http://livingstoneonline.github.io/LEAP-XSLT/style.css"?>
```

We won't actually fetch the file reference at the URL given, but will rather extract the path to the file (**LEAP-XSLT/transcription.xsl** for example), and search for it within the livingstone_online_module. This will result in faster rendering as the files don't need to be fetched over the internet, and it will also give us the ability to try out the XSLT and CSS styles on the **dev**, **stage**, and **prod** environments separately.

Estimate: 4 hrs

Multiple XSLT Viewer

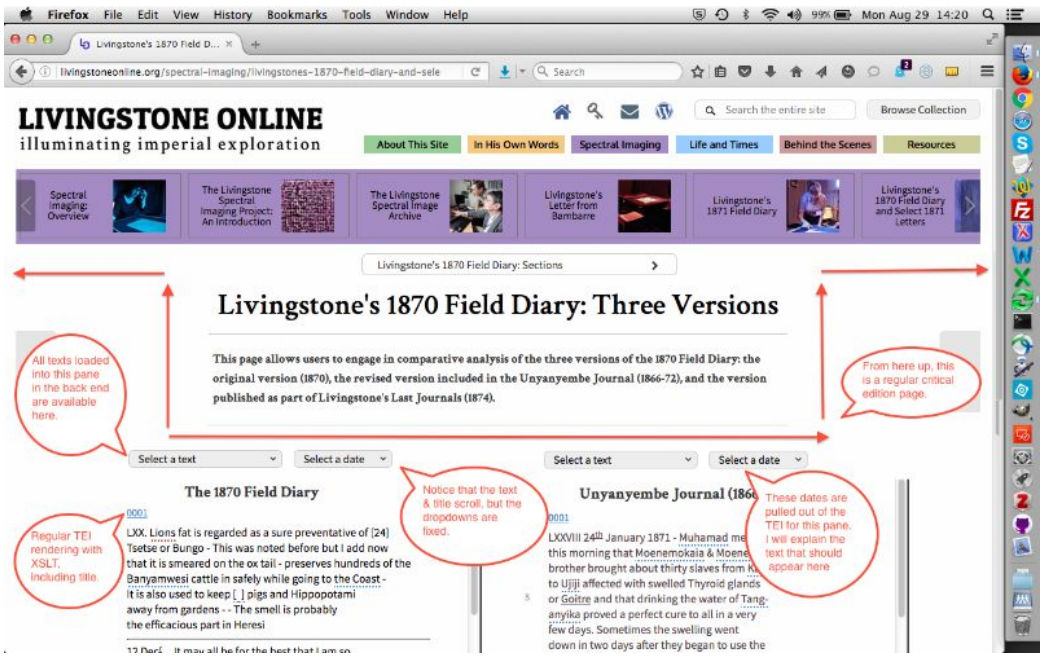
Implement a viewer in which the user could browse several different TEI documents transformed into HTML side by side. This would make use of the existing transformation code that is part of the manuscript viewer.

This would be implemented as a new Drupal content type, where in the user could select any number of Manuscript or Spectral objects via their project identifier (***liv:000001*** for example).

- New Content Type
    - Select the documents to display based on identifier (***liv:000001***).
    - Choose two documents to display by default (when first rendered, left & right).
    - Choose the order to display the documents in the drop down.
    - Set a display label for each document.
- On larger screens two documents will appear (Fig 6).
- On mobile and smaller screens a single document will appear.
- Two selects fields are provided per displayed document (Fig 6)
    - Select the document to show
    - Select a date in the document to scroll to (The XSL generated HTML will have a CSS class by with date elements can be identified and scrolled to).

We will not be persisting user's choice of document or date into the URL.

Fig 6.



Estimate: 12 hrs