
Digital Palaeography in Practice with Archetype

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**King's
Digital Lab**



École Pratique
des Hautes Études



What is Archetype?

- Free and Open-Source Software (FOSS)
- Developed and maintained by the King's Digital Lab, King's College London
- Designed for the description, analysis, and communication of graphical communication (particularly writing but also decoration, etc)
- Used by over twenty projects, including DigiPal, Models of Authority, Exon Domesday and VisigothicPal
- Used for Latin, English, Hebrew, Arabic, Chinese, Akkadian (Cuneiform), Ancient Egyptian (Hieroglyphics), manuscripts, documents, paintings, tapestries, coins and more

Introduction: Principles

Quantitative Palaeography: The 'Crisis'?

- 'Palaeography, which **is** an art of seeing ... is ... [regrettably] becoming an art of measurement.' (Bischoff 1979; trans. 1990 p. 3)
- 'The dating and localizing of most manuscripts will **always be informed guesswork.**' (Ganz 1990)
- [Quantitative methods in palaeography] '**simply cannot exist.**' (Petrucci, in Costamagna et al. 1996, p. 403)
- '**It is obvious that one cannot prove** that two texts were penned by the same hand. The only way to persuade other people ... is to show them, to **give them the feeling** that it is the same hand.' (Sirat 2006, p. 493)

Derolez, Palaeography of Gothic (2003)

'How is it possible to proceed in such a way
that the description of a specimen of
handwriting is as clear and convincing to its
reader as it is to its author?

... There is very much to be said in favour of a
quantitative approach to a matter so difficult
to treat adequately with other techniques.'

'Algorithmic Accountability'

- No software (or anything else) can be objective or without bias
- It's therefore imperative that we can understand the software and its results
 - What do the results mean for our questions in the Humanities?
 - What are the limits and the stakes? The possibilities?
 - What are the underlying principles of the software?
 - What biases, prejudices and hypotheses are there?

Archetype

- A generalised model which can be used for different applications (a 'grammar')
- Each researcher/research team uses a different instance of the software
- Each researcher/research team defines separate vocabularies according to the research needs (characters, components, features, etc.)

The Archetype Process

- You decide which 'letters' (symbols), what components and features each symbol has
- You decide what to annotate on your images
- You draw the annotations (yes, by hand!)
- The system then allows complex searches based on your vocabulary
- This means no training data, easily applicable to different research contexts & questions
- About knowledge elicitation & communication

Archetype for the Latin Alphabet

Folio: CCCC 173, fols. 1–56: 29v [\[Edit in admin\]](#)

Manuscript Image

Annotations (91)

Hands (2)

Metadata

Image Copyright

Other Pages (17)

The screenshot shows a digital interface for a medieval manuscript. A large image of a page from 'CCCC 173, fols. 1–56: 29v' is displayed, featuring several lines of dark brown Insular script on a light-colored parchment background. Several letters are highlighted with green rectangular boxes. A specific letter 'g' is selected and highlighted with a purple square containing orange circular handles at its vertices and midpoints, indicating it is being edited.

Annotations ON **g, Insular** **x**

Hand: Chronicle Hand 5 (fols. 28v–30r; annals 973–1001) 3

Chronicle Han... g, Insular **eye 3**

Annotations **g, Insular** **x**

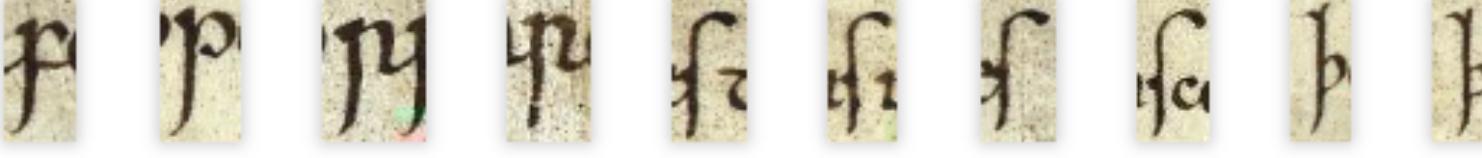
body (g) ▾

- 3-shaped
- angular
- hangs from right
- hangs from left
- hangs from middle
- large
- small
- through top-stroke

tail (g) ▾

- 3/4 closed
- angular
- closed
- on right
- open
- oval

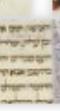
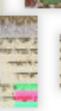
Descenders written by the same scribe

Hand	Scribe	Place	Date
Confirmation of Privileges (44v)	Eadwig Basan. saec. xi2/4	CaCC	Saec. xi1/4
			
Endorsement	Eadwig Basan. saec. xi2/4	CaCC	Saec. xi2/4
			
Main Hand	Eadwig Basan. saec. xi2/4	CaCC	Saec. xi1/4
			
Main Hand (Latin Script)	Eadwig Basan. saec. xi2/4	CaCC	Saec. xi1/4
			

10 / page ▾ < 1 2 3 >

List 

1025 graphs in 24 hands

Graphs	Hand	Scribe	Place	Date	Repository	Shelfmark
                               	Decoration (Or. 2626)	Decoration (BL) Or. 2626-2628)	None	None	British Library, London	Or. 2626
                                                            	Decoration (Or. 2627)	Decoration (BL) Or. 2626-2628)	None	None	British Library, London	Or. 2627
                                                           	Decoration (Or. 2628)	Decoration (BL) Or. 2626-2628)	None	None	British Library, London	Or. 2628
                             	Decoration (unknown)	Decoration (Harley 5699)	None	None	British Library, London	Harley 5699
                             	Decoration Add. 8°10)	Decoration (Opp. Liezer bar)	None	None	Bodl. Library	Opp. Add. 8°10
                             	Liezer bar	None	None	Bibliothèque	hébr. 592	

D. Matos, 'SephardiPal' Project



Hand: Main Hand, BL Royal 15.B.xxii [Edit in admin]

[Information](#)[Description](#)[Manuscript Images \(1\)](#)[Graphs \(40\)](#)

Main text - English Manuscripts 1060-1220 Project

Scribe: Ker 269

Script: English Vernacular Minuscule

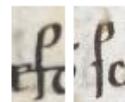
Date: s. xi2

Description: Insular minuscule for English and Caroline for Latin are employed by the scribe, alternating scripts according to the language of the text which is copied. This is a small rounded hand, well proportioned and with regular characteristics, which shares some similarities with Faustina A. x (fols 3-101), perhaps through training.

Summary of the characteristics of the hand

s: the high, long form has a pronounced, curved, hook-like top.

Examples from DigiPal:



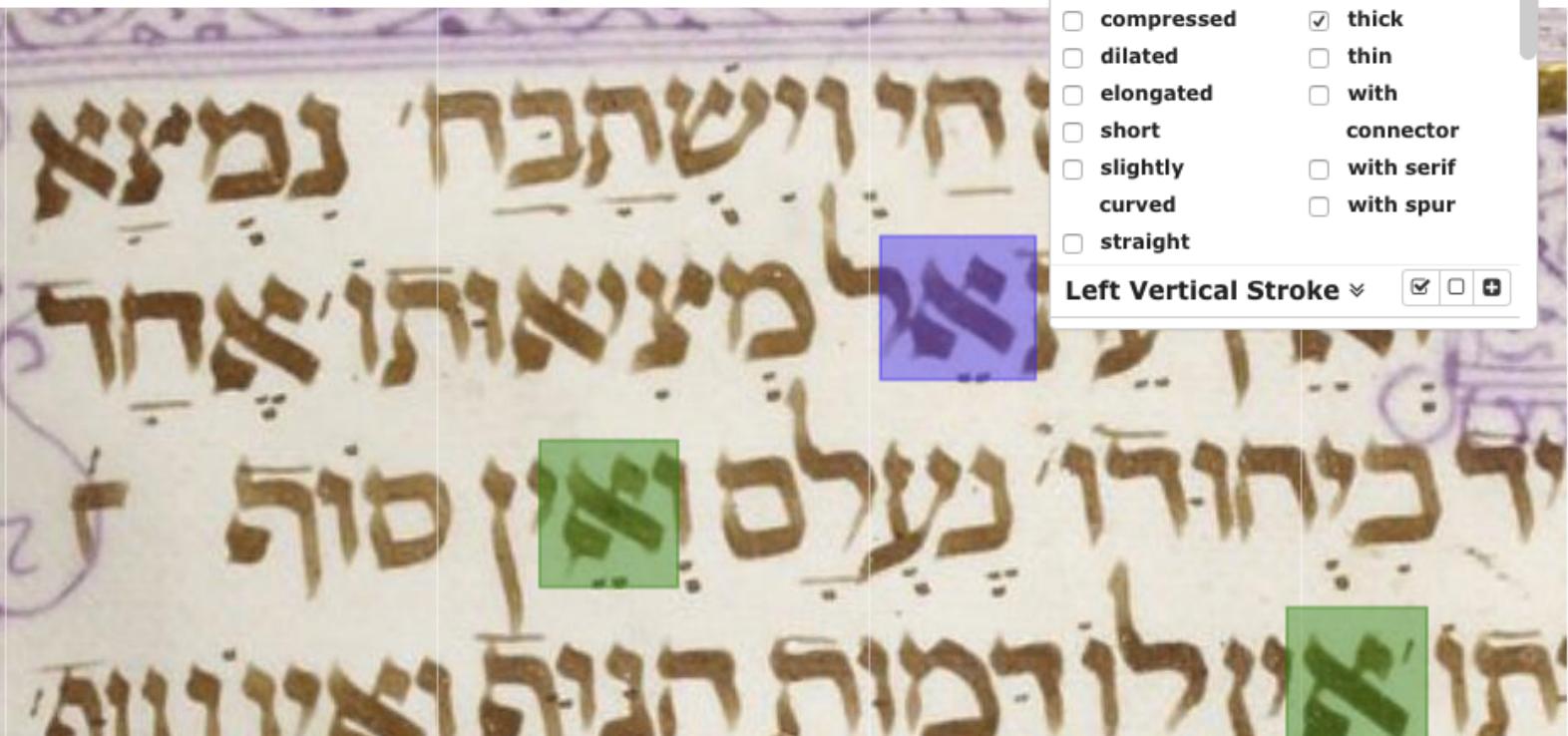
The serifs on minims are prominent.

Examples from DigiPal:





Manuscript Image: BNF hébr. 592: 25v [\[Edit in admin\]](#)

[Manuscript Image](#)[Annotations \(4\)](#)[Hands \(2\)](#)[Metadata](#)[Image Copyright](#)[Other Manuscript Images \(74\)](#)

Aleph, Square

[Components](#)[Notes](#)

Left Diagonal Stroke



compressed



dilated



elongated



short



slightly



curved



straight



thick



thin



with



connector



with serif



with spur

Left Vertical Stroke



(Site privé, par Debora Matos)

Manuscript Image: Walters 561:

Manuscript Image Annotations (11) Hands (1) Metadata Image Copyright Other Manuscript Images (0)

Annotations ON

h1 2

Annotations

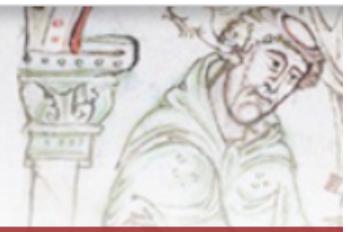
Components Notes

This graph has not yet been described.

عَنْ قَبْلِهِ

Hand: h1 2

(Site privé, par Peter Stokes)



Search Graphs (25)

[Adva](#)

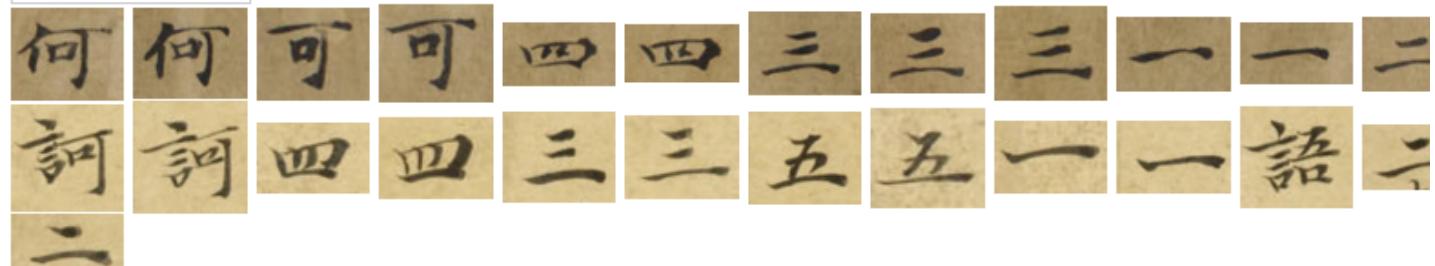
You are searching for: **CJK ideograph**

Phrase

Type (6)

[Show less](#)[Manuscript](#)[Image](#)[Scribe](#)[Hand](#)[Text](#)[Graph](#)

50 / pages ▾



50 / pages ▾

Hand Date

(Site privé par Peter Stokes)

Manuscript Image: SLUB R.310: 4 (detail)

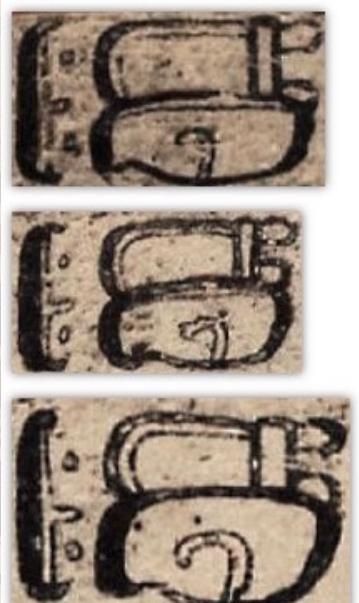
[Edit in admin]

Manuscript Image Annotations (10) Hands (1) Metadata Image Copyright Other Manuscript Images (1)

Annotations ON Unsaved 0  Hand A u-tu-mu 



u-tu-mu
Hand: Hand A 8



Birds in the Bayeux Tapestry

Search: Graphs (132)

[Advanced Search](#)

You are searching for:

living being, bird

Keywords

50 / pages



1

2

3



Sort by



Result Type (6)

Manuscripts

Images

Scribes

Hands

Texts

Graphs

Hand Date

Precision (in years)

at most

Linking Text and Image

ברא אלהים את הרים ואת הארץ
הארץ והארץ היתה תהה וכבר
והשיד עלה פניהם ורוח אלהים
מרחפת על פניהם ויאמר
אלhim יתיר אורה אורה ר' ז' ר' ז' ר' ז'

clause > notification 13:55:39

1 In the beginning God created the heaven and the earth. 2 Now the earth was unformed and void, and darkness was upon the face of the deep; and the spirit of God hovered over the face of the waters. 3 And God said: 'Let there be light.' And there was light. 4 And God saw the light, that it was good; and God divided the light from the darkness. 5 And God called the light Day, and the darkness He called Night. And there was evening and there was morning, one day. {P}

א ברא שית ברא אללהים את השמים ואת הארץ: ב והוא הארץ קיימת תהה ובמה
וחשך על-פני תהום ורוח אללהים מרחפת על-פני המים: ג ונאמר אללהים ית' אורה
אור ויה-אור: ד יראה אללהים את-האור פידוטב ויבצל אללהים בין האור ובין
החשכה: ה ייקראו אללהים לאוריהם ולהשך גורא לילו ויה-ערב ויה-בקר יום
אחד: {פ} ונאמר אללהים ית' רקיע במתוך המים ויה מבדיל בין מים
למים: ז ייעש אללהים את-הקרקע ייכזב בין הפליט אשר מתחת לרקע ובין
הפליט אשר מעל לרקע ויה-בקע: ח ייקראו אללהים לרקע שמים ויה-ערב
[ויה-בקר יום שני]: {פ}

face

< >



1

address (clause)



W. dei grā. Rex Scott. Iusticiis suis et vicecomiti suo de Berewic. e
 L. uicecomitatus mei de Berewic. alias hanc co.

Address
Intitulatio

W. dei gratia . Rex Scott' . Iusticiis suis et vicecomiti suo de
 Salutation Injunction
 Berewic' . Salutem . Prohibeo firmiter . Ne Seruientes
 uicecomitatus mei de Berewic . Alias habeant Consuetudines aut
 alias faciant exactiones In Elemosina mea de Coldingham . et
 Coldingham . sire : de Placitis et querelis quas ipsi mouent : quam
 seruientes mei aliorum vicecomitatuum meorum Habent in aliis
 Witnesses elemosinas meis in terra mea . Testibus Engalramus . Episcopo de
 Glasg' . Nicolao Cancellario . Dauid olifard' . Iusticio . Hugone .

Ridel Roberto Avenel Anuid Roxburgh
 Content loaded

12:48:40

Address
Intitulatio

William by the grace of God king of the Scots to his j
 Injunction
 and sheriff of Berwick greeting . I firmly forbid that t
 sergeands of my sheriffdom of Berwick should have any
 customs or make any demands in my alms at Coldingha
 Coldinghamshire from the pleas and plaints which they
 which my sergeands of my other sheriffdoms have in my
 Witnesses
 alms in my land. As witnesses, Ingram bishop of Glasg
 Nicholas chancellor, David Oliphant justice, Hugh Ride

Robert Avenel At Roxburgh
 Content loaded

Linking Text and Image

The Archetype Team

- Based at the King's Digital Lab, King's College London (<https://www.kdl.kcl.ac.uk>)
- Core team is:
 - Peter Stokes (École Pratique des Hautes Études – Université PSL)
 - Stewart Brookes (University of Oxford)
 - Geoffroy Noel (King's College London)
 - Neil Jakeman (King's College London)
- Many others have also contributed:
 - Giancarlo Buomprisco, Beatriz Caballero, Ainoa Castro, Paul Caton, Arianna Ciula, Ginestra Ferraro, Riccardo Galdieri, Rosemary Hall, Stephan Hügel, Debora Marques de Matos, Tiffany Ong, Toby Pitts, Jennifer Radecki, Miguel Vieira, Matilda Watson, Wei Zhang (Vivi), ...

Installing Archetype

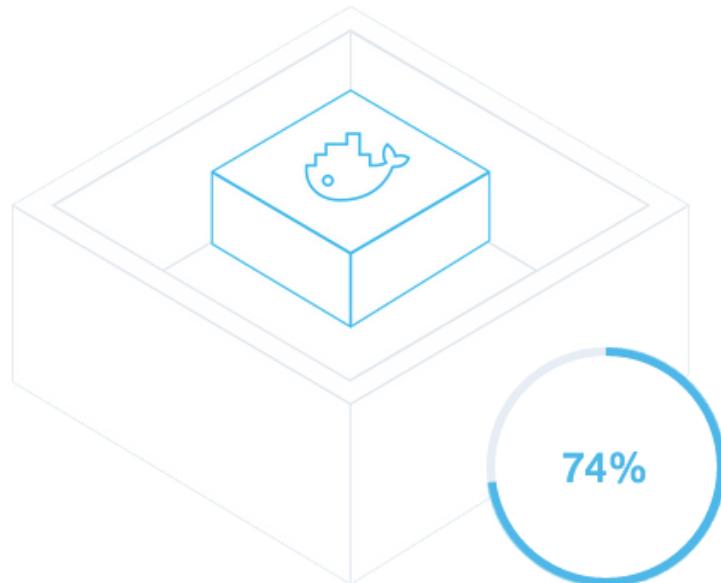
Key URLs

- **Official website:** <http://archetype.ink>
- **GitHub Wiki** (main documentation):
<https://github.com/kcl-ddh/digipal/wiki>
- **Vimeo channel** for King's Digital Lab (includes some video tutorials): <https://vimeo.com/kingsdigitallab>
- **DockerHub** (to download a working instance):
<https://hub.docker.com/r/kingsdigitallab/archetype/>
- **Discussion forum:** <http://archetype.forumotion.com>

Docker

- Docker is free, third-party software that you can run on your computer (Windows, Mac, Linux)
- It's a framework within which you can download and run an empty instance of the software
- Designed for you to run privately on your own computer (but it's possible to make it public later)
- Widely used in the computer industry
- Nothing to do with King's College London or the Archetype team!

Launching Kitematic



Starting Docker VM

To run Docker containers on your computer, Kitematic is starting a Linux virtual machine. This may take a minute...

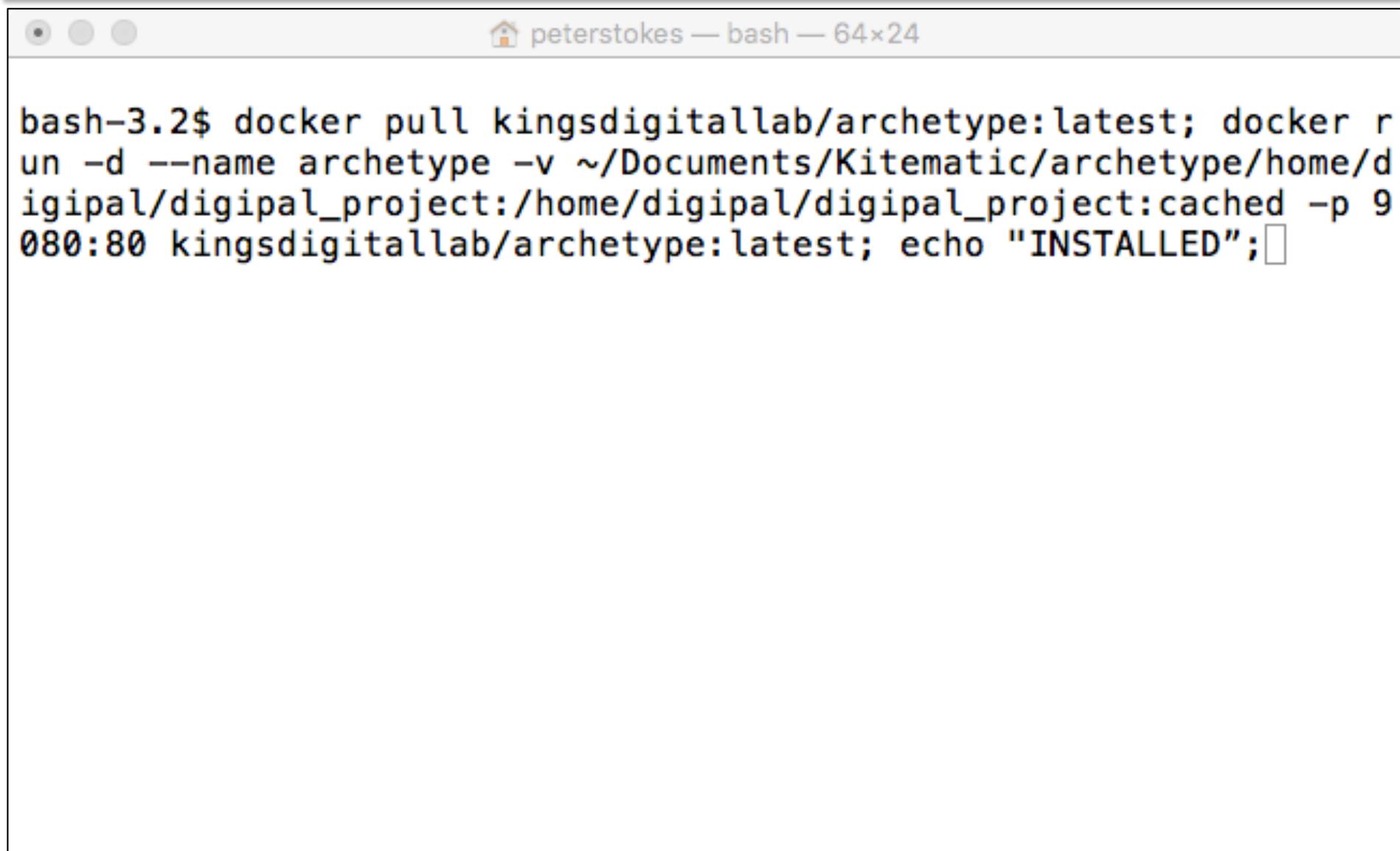
Kitematic and the 'Docker CLI'

The screenshot shows the Kitematic interface, which is a graphical user interface for Docker. At the top, there are three colored dots (red, yellow, green) and a 'LOGIN' button. Below that, there's a 'Containers' section with a '+ NEW' button and a search bar that says 'Search for Docker images from Docker Hub'. There are also 'FILTER BY' buttons for 'All', 'Recommended', 'My Repos', and 'My Images'. The main area is titled 'Recommended' and displays a grid of 12 Docker images:

- kitematic/hello-world-nginx**: A light-weight nginx container that demonstrates the features of Kitematic. (Image: blue ship icon)
- ghost**: Ghost is a free and open source blogging platform written in JavaScript. (Image: black ghost icon)
- jenkins**: Official Jenkins Docker image. (Image: blue jenkins icon)
- redis**: Redis is an open source key-value store that functions as a data structure server. (Image: orange redis icon)
- rethinkdb**: RethinkDB is an open-source, document database that makes it easy to build and scale realtime... (Image: dark blue rethinkdb icon)
- kitematic/minecraft**: The Minecraft multiplayer server allows two or more players to play Minecraft together. (Image: brown grass block icon)
- solr**: Solr is the popular, blazing-fast, open source enterprise search platform built on Apache... (Image: orange sunburst icon)
- elasticsearch**: Elasticsearch is a powerful open source search and analytics engine that makes data easy to... (Image: green elasticsearch icon)
- postgres**: The PostgreSQL object-relational database system provides reliability and data integrity. (Image: blue postgres icon)
- ubuntu-upstart**: Upstart is an event-based replacement for the /sbin/init daemon which starts processes... (Image: orange ubuntu icon)
- memcached**: Free & open source, high-performance, distributed memory object caching system. (Image: green memcached icon)
- rabbitmq**: RabbitMQ is an open source multi-protocol messaging broker. (Image: orange rabbitmq icon)

At the bottom left, there is a 'Click here' button with a red arrow pointing to it, and at the very bottom, there are icons for Docker CLI, Help, and Settings.

The Terminal



A screenshot of a macOS terminal window. The title bar reads "peterstokes — bash — 64x24". The main pane contains the following command:

```
bash-3.2$ docker pull kingsdigitallab/archetype:latest; docker run -d --name archetype -v ~/Documents/Kitematic/archetype/home/digipal/digipal_project:/home/digipal/digipal_project:cached -p 9080:80 kingsdigitallab/archetype:latest; echo "INSTALLED";
```

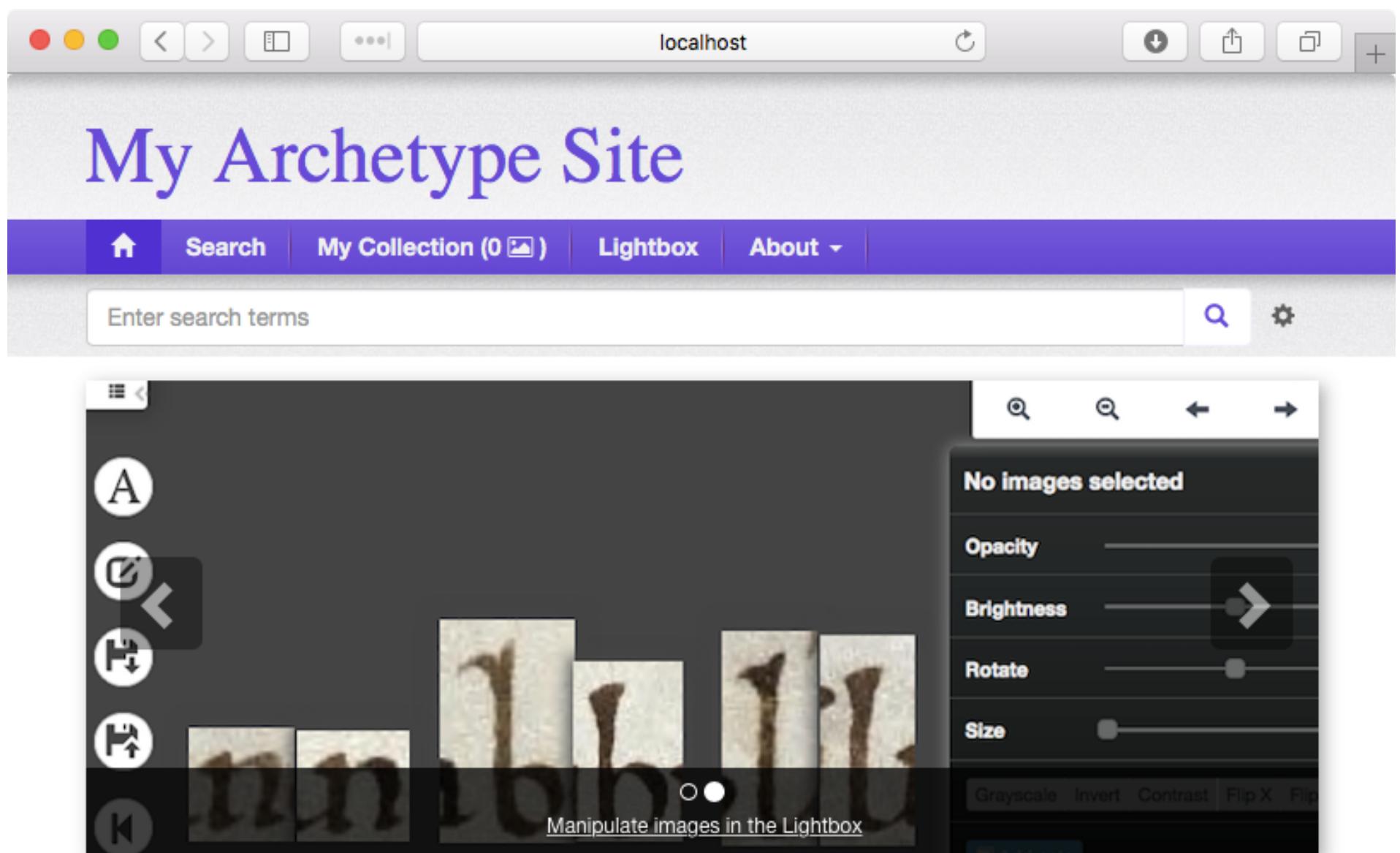
Kitematic and Archetype

The screenshot shows the Kitematic interface with the following details:

- Top Bar:** Includes a red, yellow, and green window control buttons, a **LOGIN** button, and tabs for **archetype** (highlighted) and **RUNNING**.
- Left Sidebar:** Shows a list of containers with **Containers** and a **+ NEW** button. The container **archetype archetype:latest** is selected, highlighted with a blue background.
- Container Logs Section:** Displays the logs for the selected container:

```
operations to perform...
Synchronize unmigrated apps: pagination, lightbox, staticfiles,
boot, tinymce, filebrowser_safe, sitemaps, compressor, humanize,
grappelli_safe
Apply all migrations: core, redirects, reversion, django_comments,
sessions, admin, twitter, galleries, digipal_text, auth, sites, blog,
generic, contenttypes, digipal, conf, forms, pages
Synchronizing apps without migrations:
Creating tables...
  Running deferred SQL...
  Installing custom SQL...
Running migrations:
  No migrations to apply.
* Stopping PostgreSQL 9.5 database server
  ...done.
waiting for site... (1)
2017-11-21 12:36:55,860 CRIT Supervisor running as root (no user in
config file)
2017-11-21 12:36:55,867 INFO supervisord started with pid 115
waiting for site... (2)
2017-11-21 12:36:56,871 INFO spawned: 'pgsql' with pid 122
2017-11-21 12:36:56,879 INFO spawned: 'iipsrv' with pid 123
2017-11-21 12:36:56,883 INFO spawned: 'django' with pid 124
2017-11-21 12:36:56,885 INFO spawned: 'nginx' with pid 125
waiting for site... (3)
2017-11-21 12:36:58,058 INFO success: pgsql entered RUNNING state,
process has stayed up for > than 1 seconds (startsecs)
2017-11-21 12:36:58,058 INFO success: iipsrv entered RUNNING state,
process has stayed up for > than 1 seconds (startsecs)
2017-11-21 12:36:58,058 INFO success: django entered RUNNING state,
process has stayed up for > than 1 seconds (startsecs)
2017-11-21 12:36:58,059 INFO success: nginx entered RUNNING state,
process has stayed up for > than 1 seconds (startsecs)
=====
WEBSITE IS RUNNING
=====
```
- Web Preview Section:** Shows a preview of the website with a **WEB PREVIEW** button. A red arrow points to this button from the bottom-left. Another red arrow points to a callout box containing the text "Click here to see the website".
- Volumes Section:** Shows mounted volumes with a **VOLUMES** button.
- Bottom Navigation:** Includes icons for **DOCKER CLI**, **CHAT**, and **SETTINGS**.

The Archetype Site



A short paragraph introducing my website.

It currently contains:

To (re)start the site in future

The screenshot shows the Docker CLI interface. On the left, there's a sidebar with 'Containers' and a blue-highlighted entry for 'archetype:latest'. Below it, a box contains the text 'Click here'. In the center, the main area shows the 'CONTAINER LOGS' for the 'archetype' container. The logs output migration and synchronization commands. A red arrow points from the 'Click here' box to the 'START' button in the toolbar above the logs. Another red arrow points from the bottom of the logs to the text 'WEBSITE IS RUNNING' at the bottom.

Click here

CONTAINER LOGS

```
Creating tables...
Running deferred SQL...
Installing custom SQL...
Running migrations:
No migrations to apply.
WARNING: local_settings.py not found
Operations to perform:
Synchronize unmigrated apps: pagination, lightbox, staticfiles, boot, tinymce, filebrowser_safe, sitemaps, compressor, humanize, grappelli_safe
Apply all migrations: core, redirects, reversion, django_comments, sessions, admin, twitter, galleries, digital_text, auth, sites, blog, generic, contenttypes, digital, conf, forms, pages
Synchronizing apps without migrations:
Creating tables...
Running deferred SQL...
Installing custom SQL...
Running migrations:
No migrations to apply.
* Stopping PostgreSQL 9.5 database server
...done.
waiting for site... (1)
2017-11-21 12:36:55,860 CRIT Supervisor running as root (no user in config file)
2017-11-21 12:36:55,867 INFO supervisord started with pid 115
waiting for site... (2)
2017-11-21 12:36:56,871 INFO spawned: 'pgsql' with pid 122
2017-11-21 12:36:56,879 INFO spawned: 'iipsrv' with pid 123
2017-11-21 12:36:56,883 INFO spawned: 'django' with pid 124
2017-11-21 12:36:56,885 INFO spawned: 'nginx' with pid 125
waiting for site... (3)
2017-11-21 12:36:58,058 INFO success: pgsql entered RUNNING state, process has stayed up for > than 1 seconds (startsecs)
2017-11-21 12:36:58,058 INFO success: iipsrv entered RUNNING state, process has stayed up for > than 1 seconds (startsecs)
2017-11-21 12:36:58,058 INFO success: django entered RUNNING state, process has stayed up for > than 1 seconds (startsecs)
2017-11-21 12:36:58,059 INFO success: nginx entered RUNNING state, process has stayed up for > than 1 seconds (startsecs)
=====
WEBSITE IS RUNNING
=====
```

DOCKER CLI

LOGIN

archetype STOPPED

Containers + NEW

START RESTART EXEC DOCS

Home Settings

localhost:9080

My Archetype Site

Search | My Collection (0) | Lightbox | About ▾

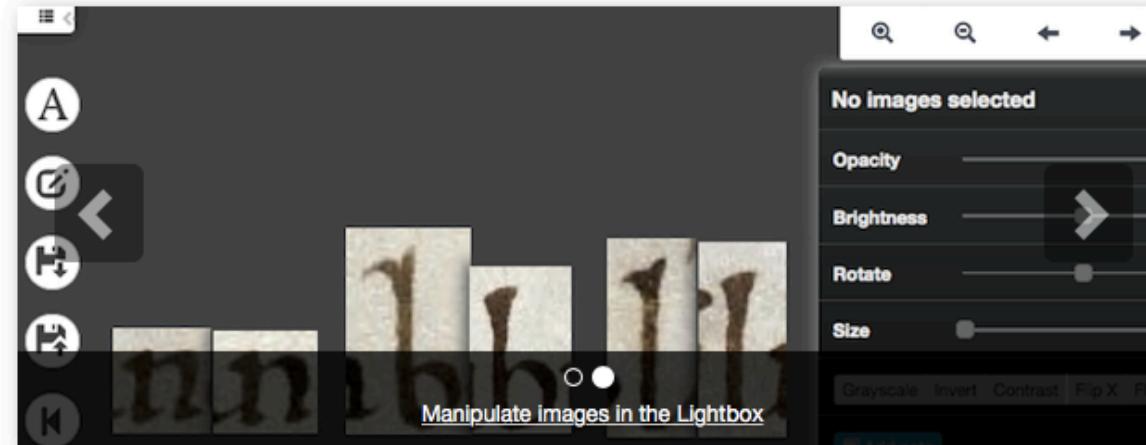
Enter search terms

A short paragraph introducing my website.
It currently contains:

- 1 records of manuscripts and charters
- 1 manuscript images
- 18 images of letters (graphs)
- 1 records of scribal hands.

Funded by X.

[Read More](#) | [Start Searching](#) | [Browse Images](#) | [How to Use](#)



Blog

First Blog Post

1 year, 1 month ago, by Admin

[More »](#)

News

First News Item

1 year, 1 month ago, by Admin

[More »](#)



Arts & Humanities

FOOTER The DigiPal Framework is developed by the Department of Digital Humanities at King's College London. It has received funding from the European Union Seventh Framework Programme (FP7) under Grant Agreement no. 263751 ([DigiPal](#)), and the Arts and Humanities Research Council (AHRC) under [Grant Reference n° AH/L008041/1 \(Models of Authority\)](#) and [AH/L013975/1 \(Exon Domesday\)](#). For further information including the software source see <https://github.com/kcl-ddh/digipal/wiki>.

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Logging In

The DigiPal Framework is developed by the Department of Digital Humanities at King's College London. It has received funding from the European Union Seventh Framework Programme (FP7) under Grant Agreement no. 263751 (DigiPal), and the Arts and Humanities Research Council (AHRC) under Grant Reference n° AH/L008041/1 (Models of Authority) and AH/L013975/1 (Exon Domesday). For further information including the software source see <https://github.com/kcl-ddh/digipal/wiki>.

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Log in to see all the content.

Username: admin

Password: admin

Be sure to change these in your system!

Adding Annotations

Manuscript Image: CUL Kk.3.18: 84v [\[Edit in admin\]](#)

Manuscript Image Annotations (0) Hands (1) Metadata Image Copyright Other Manuscript Images (5)

Annotations ON Unsaved 0

Checking Annotations

Manuscript Image: CCCC 190: 266v [Edit in admin]

Manuscript Image **Annotations (35)** Hands (2) Metadata Image Copyright Other Manuscript Images (1)

Hands List

- Main Hand
- Rubrics

No components

a, Caroline ✓ ✗ ☰ + ☱ ✖

Describe Aspects Notes Edit

Main Hand a, Caroline

No common components

atin q s, Caroline S, Rustic T, Rustic u ., punctus

Annotating mode **ON**

a, Caroline

1

B, Rustic

1

DigiPal Terminology: Describing Handwriting

- **Allograph**: A form of a given letter **common to a group of people** (cf. Roman **a** vs Italic **a**)
 - Abstract, ideal. Cf. Parkes' *script*: what scribe has in mind's eye
- **Graph**: A **physical instance** of a letter
 - Concrete realisation of the abstract ideal
 - What the scribe puts on the page (in a specific instance)
- **Component**: A part of a character or allograph which is deemed significant to the script and, as far as possible, which repeats across different characters or allographs
 - E.g. *ascender* (in **b**, **d**, **I**, ...), *descender* (**j**, **p**, **q**), *bowl* (**b**, **p**, **q**, ...)
- **Feature**: An attribute; a descriptive label for one or more different components or to allo/ido/graph(s)
 - E.g. *narrow*, *wide*, *tall*, *short*, *long*, ...

Describing Graphs I

Folio: CCCC 173, fols. 1–56: 29v [Edit in admin]

Manuscript Image

Annotations (91)

Hands (2)

Metadata

Image Copyright

Other Pages (17)

Annotations **ON**

g, Insular

Hand: Chronicle Hand 5 (fols. 28v–30r; annals 973–1001) 3

Chronicle Han...

g, Insular

3

The screenshot shows a digital interface for annotating a medieval manuscript page. The page itself is a parchment folio with dark brown ink and some red rubrication. Several words are highlighted with green rectangular boxes, and one specific letter 'g' is highlighted with a purple square box. A vertical toolbar on the left contains icons for zooming, navigating, and editing. Two floating annotation panels are visible. The top panel, titled 'g, Insular', shows three small examples of the letter 'g' in different contexts. The bottom panel, also titled 'g, Insular', is a detailed description of the letter 'g'. This panel includes sections for 'body (g)' and 'tail (g)', each with a list of descriptive checkboxes. A red circle highlights the 'body (g)' section, which includes options like '3-shaped', 'angular', 'hangs from right', 'large', 'small', 'through top-stroke', and 'hangs from middle'. The 'tail (g)' section includes options like '3/4 closed', 'angular', 'closed', 'on right', 'open', and 'oval'. Some checkboxes are checked, such as 'large' for the body and '3/4 closed' for the tail.

body (g)	tail (g)
<input type="checkbox"/> 3-shaped	<input type="checkbox"/> hangs from right
<input type="checkbox"/> angular	<input checked="" type="checkbox"/> large
<input type="checkbox"/> hangs from left	<input type="checkbox"/> small
<input checked="" type="checkbox"/> hangs from middle	<input type="checkbox"/> through top-stroke
tail (g)	
<input checked="" type="checkbox"/> 3/4 closed	<input type="checkbox"/> on right
<input type="checkbox"/> angular	<input checked="" type="checkbox"/> open
<input type="checkbox"/> closed	<input checked="" type="checkbox"/> oval

Describing Graphs II

Catalogue Number Repository Date

Search

You are searching for: All

Manuscripts (1675) Hands (14)

10 / pages ▾ 1 2 3 ... 44 45 46

829 graphs in 454 hands

and Scribe

dditions and Cancellation-notes (64r, 76r, 05r, 164v) Ælfric of E

ra rai ac ? ga

ca ca ic ic

de de g g

ea ea e e

bowl

ascender

Describe Aspects Notes Edit

Additions and Can...

b

ascender

approach stroke long

backward-leaning minim-length

barbed short

clubbed split (large split)

curved sway-backed

flat-topped tapering

forked (small split) unadorned

forward leaning vertical

horizontally vertically symmetric

Annotating mode ON

List Images

Category	Shelfmark	Catalogue Number
library	Royal 7.C.xii	G. 472 K. 257

be be be be b cb c

or odb o o o o

eh e e e e e

ea ea ea ea ea ea

ga g g g g g

si si si si si si

g g g g g g

ta ta ta ta ta ta

Rebuilding the Indices

- When we add data (annotations, graphs etc.), the new data does not appear in the search results
- We must *rebuild the indices* to see it
- For a big project like DigiPal, rebuilding the indices can take several hours at a time!
 - We can't do this automatically every time we add an annotation!
- To rebuild the indices, click on 'Indexing' in the page footer

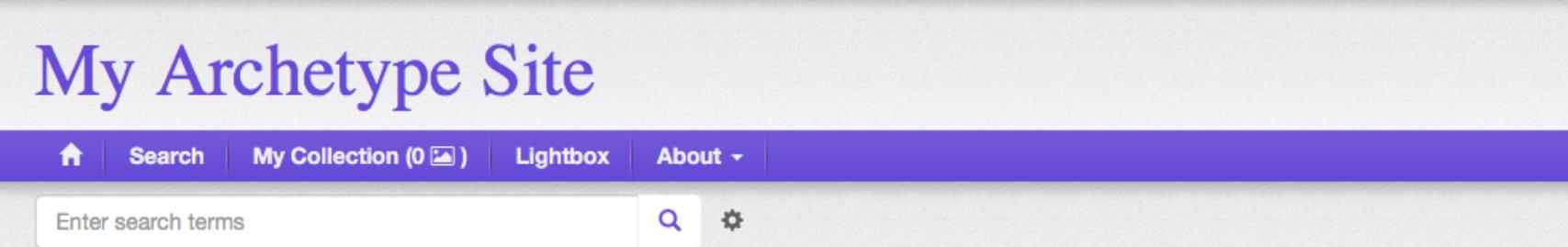
You are logged in as admin | Database | Indexing | Log out

Rebuilding the Indices

My Archetype Site

Home | Search | My Collection (0 ) | Lightbox | About ▾

Enter search terms  



Use this page to re-index the database content so the search page finds recently edited data. **Please use sparingly**, some indices may take a long time and temporarily degrade the performance of the website for other users..

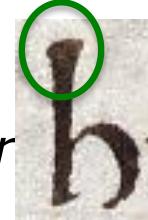
Search Indexer

 [Reindex](#)

<input type="checkbox"/>	Index	Status	Date	Size
<input type="checkbox"/>	Manuscript		2 months, 2 weeks ago	34.4 KB
<input type="checkbox"/>	Image		2 months, 2 weeks ago	34.5 KB
<input type="checkbox"/>	Scribe		2 months, 2 weeks ago	20.0 KB
<input type="checkbox"/>	Hand		2 months, 2 weeks ago	34.9 KB
<input type="checkbox"/>	Text		2 months, 2 weeks ago	76.9 KB
<input type="checkbox"/>	Graph		2 months, 2 weeks ago	69.2 KB

Terminology in Action

- Character *minuscule h*
 - Has Allograph *Caroline h*
 - *Caroline h* has Component *ascender* and Component *arch*
 - Component *ascender* has Feature *wedged*
 - Has Allograph *Insular h*
 - *Insular h* also has Component *ascender* and Component *arch*
 - Component *ascender* has Feature *split*
- Script *Vernacular minuscule*
 - Includes Allograph *Insular h*
- Scribal Practice of 'Eadwig Basan'
 - Includes *Insular h* for Script *Vernacular minuscule*
 - Includes Idiograph of *Insular h* with Component *arch* having Feature *round*



Terminology in Action 2 (Debora Matos)

- Character *minuscule h*
 - Has Allograph *Caroline h*
 - *Caroline h* has Component *ascender* and Component *arm*
 - Component *ascender* has Feature *wedged*
 - Has Allograph *Insular h*
 - *Insular h* also has Component *ascender* and Component *arm*
 - Component *ascender* has Feature *split*
- Character *aleph (א)*
 - Has Allograph *Square aleph*
 - *Square aleph* has Component *top right stroke*, Component *diagonal stroke*, component *bottom right stroke*
 - Component *diagonal stroke* has Feature *straight*



The same template works for different vocabularies

Manuscript Image: BL Or. 2628: 1v [Edit in admin]

[Manuscript Image](#)[Annotations \(88\)](#)[Hands \(2\)](#)[Metadata](#)[Image Copyright](#)[Other Manuscript Images \(25\)](#)

Annotations

ON

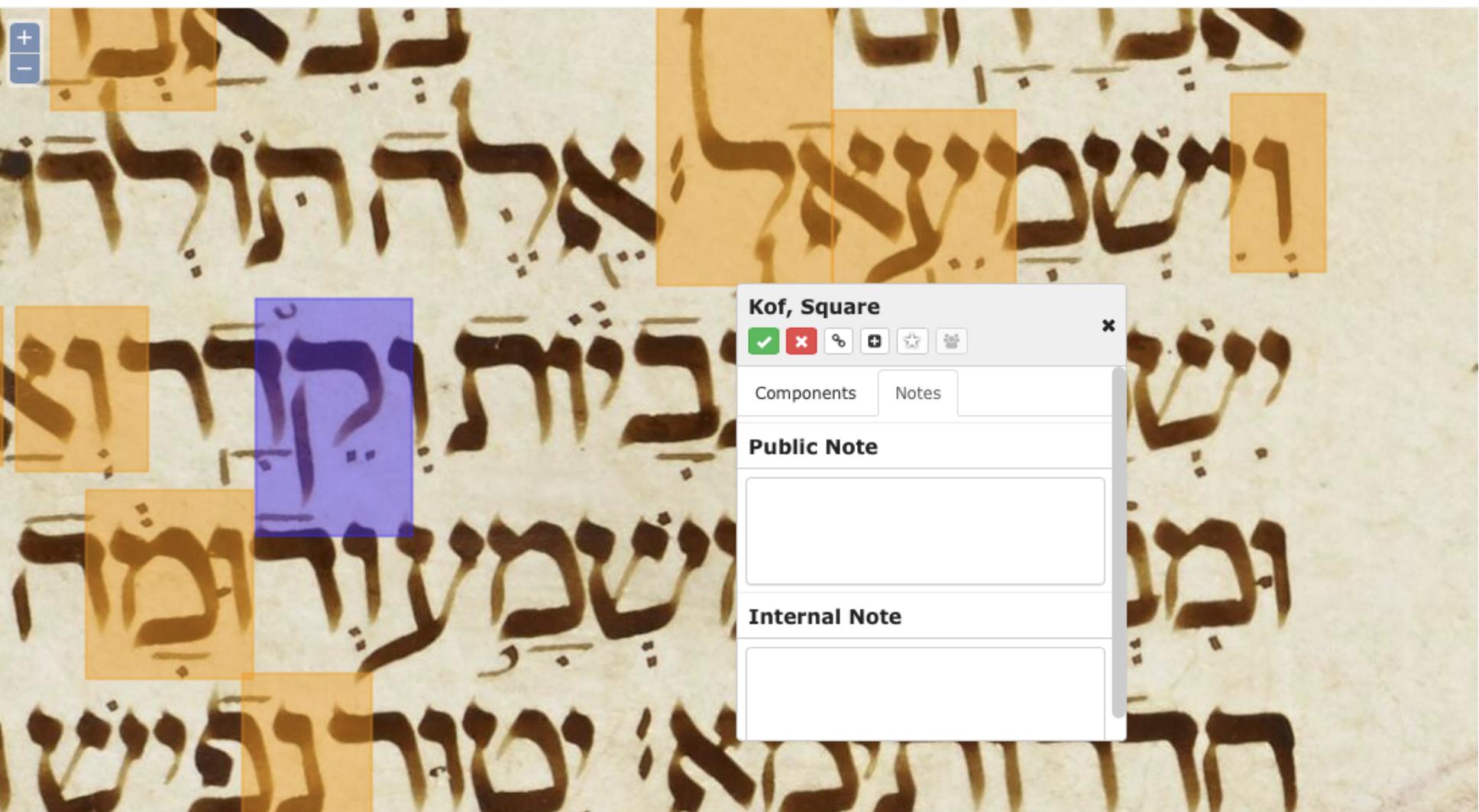


Unsaved 0



Samuel ibn Musa

Kof, Square



Adding and Editing Texts

Adding a Text

A screenshot of a digital manuscript interface. At the top is a purple header bar with white text and icons. From left to right, it contains: a house icon, the word "Search", "My Collection (0 📸)", "Lightbox", and "About". Below the header is a search bar with a placeholder "Enter search terms", a magnifying glass icon, and a gear icon.

Manuscript: CUL Ff.1.23 [Edit in admin]

Information

Descriptions (1)

Manuscript Images (1)

Hands (1)

Texts (2)

Transcription

Translation

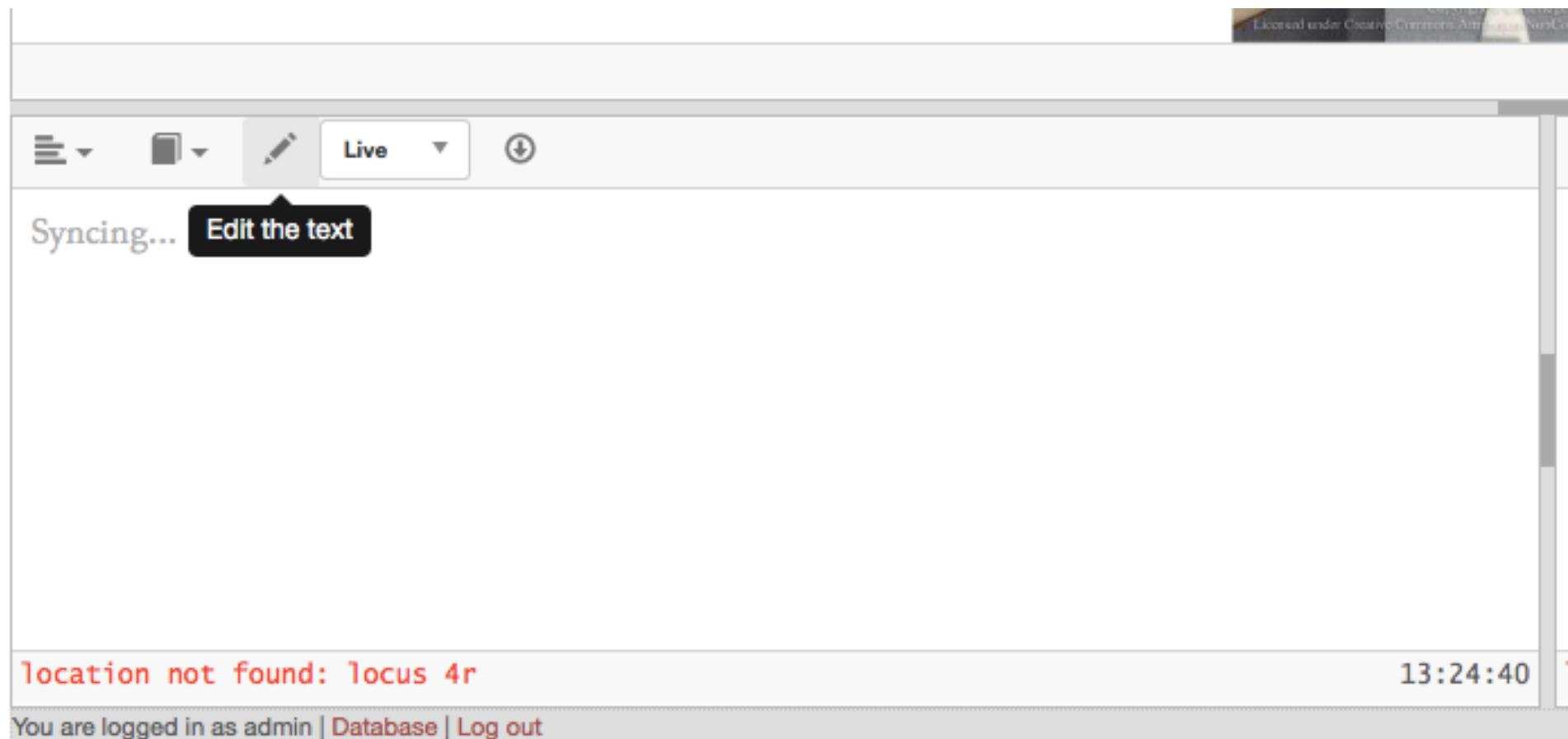
Edit the Texts

This is the easiest way even when there are no texts yet

Adding a Text

A screenshot of a digital manuscript interface. At the top, there is a dark red horizontal bar with the title "Adding a Text". Below this is a toolbar with various icons: a list icon, a circular arrow icon, a "Top Location" dropdown set to "Live", a pencil icon, and a download icon. A context menu is open, highlighting the "Whole text" option, which is preceded by a small document icon. Below it are "Locus" (preceded by a document icon) and "Synchronise with" (preceded by a circular arrow icon). The main workspace is mostly blank. At the bottom, a red error message reads "Location not found: Locus 4r". To the right of the message are the time "13:24:40" and a small "Loc" button. The footer contains the text "You are logged in as admin | Database | Log out". In the top right corner, there is a watermark for Cambridge University Press, stating "Copyright © Cambridge University Press" and "Licenced under Creative Commons Attribution-NonCommercial-ShareAlike license".

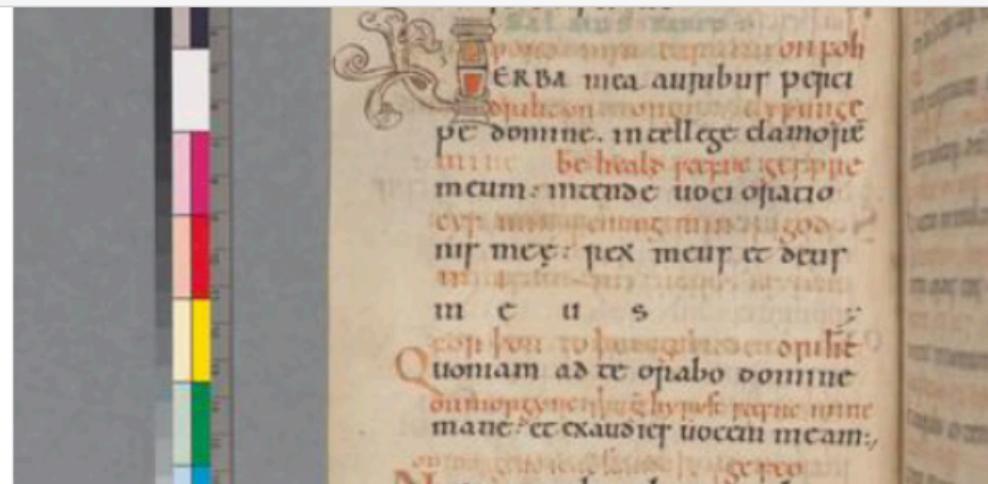
Adding a Text



Adding a Text

~~Text Viewer - CUL Ff.1.23~~

8v



4

Locus

Entry

Adding & Editing a Text

8v

The screenshot shows a digital interface for editing a medieval manuscript. The main area displays a page of Latin text in a Gothic script. The text is primarily in black ink, with several words highlighted in red, likely indicating they are part of a clause or require attention. A vertical toolbar on the left contains icons for zooming (+, -, double arrow) and a photo camera icon. Below the text area is a toolbar with various editing icons: a red X, arrows, a save icon, a magnifying glass, dropdown menus for 'Main Clauses', 'Other Clauses', 'Person', 'Location', and numerical buttons (0, +, -), and other symbols. At the bottom left, there is a 'Locus' section with '8v' and a small green box containing a circled '0'. The bottom right shows the full Latin text in a simplified, modernized form: 'In pace in id ipsum obdormiam | et requiescam & requiescam ; quoniam tu | domine singulariter in spe'.

Text Viewer - CUL Ff.1.23

8v

0 Unspecified

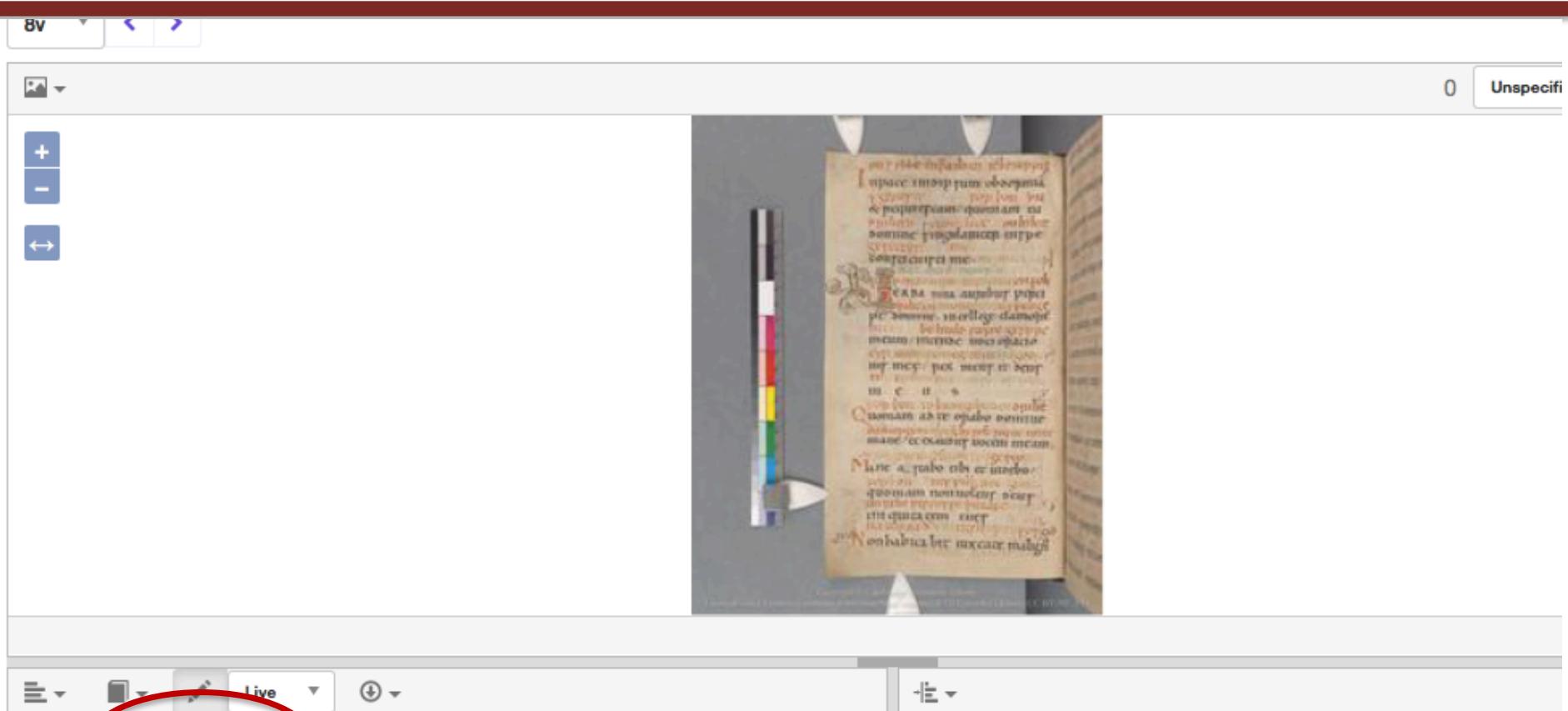
Whole text (circled in red)

in pacem et requiescam ./quoniam tu Domine
(singular) SALMUS DAVID :. Verba mea auribus
percipe domine .intellece clamorem meum ./intende uoci orationis mee ./rex
meus et deus meus ;Quoniam ad te orabo dominemane ./et exaudies uocem
meam ;,Mane astabo tibi et uidebo ./quoniam non uolens deus iniquitatem

Give ear, O Lord, to my words, understand my cry.
Hearken to the voice of my prayer, O my King and my God.
For to thee will I pray: O Lord, in the morning thou shalt hear my voice.
In the morning I will stand before thee and will see: because thou art not a

Content Loaded

You are logged in as admin | Database | Log out



8v in pace in id ipsum ob dormiam et requiescam ./ | quoniam tu Domine
singulariter in spe constituisti me. || | SALMUS DAVID :. | Verba mea
auribus percipi domine . | intellege clamorem meum ./ | intende uoci
oratio nis mee ./ | rex meus et deus meus . | Quoniam ad te orabo

Content loaded 12:44:57

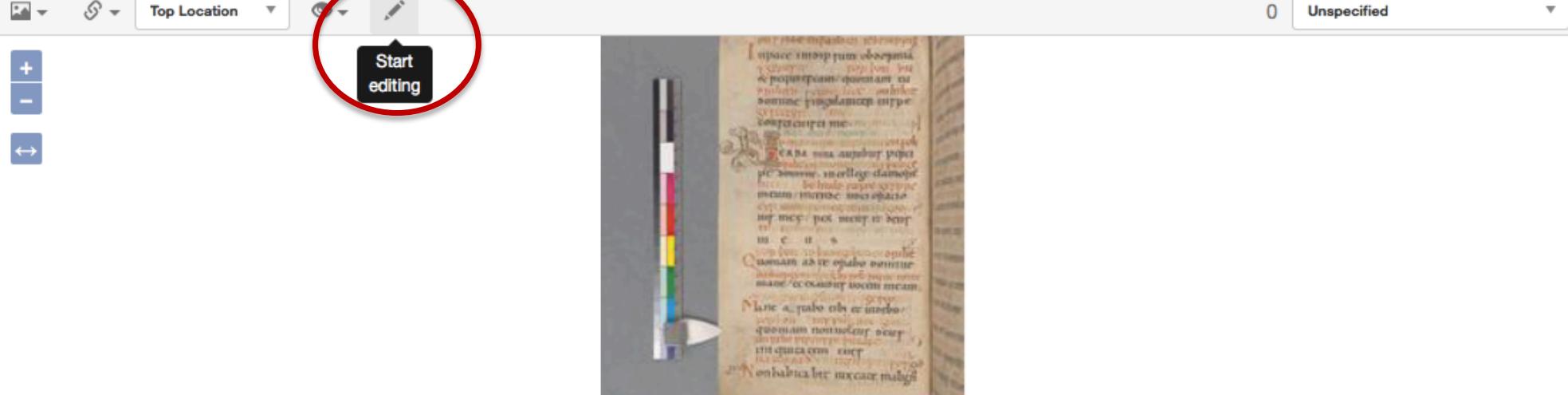
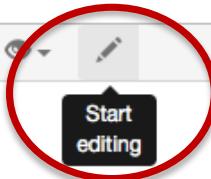
You are logged in as admin | Database | Log out

Give ear, O Lord, to my words, understand my cry.
Hearken to the voice of my prayer, O my King and my God.
For to thee will I pray: O Lord, in the morning thou shalt he
In the morning I will stand before thee and will see: because
Content loaded

Linking Text and Image

Give ear, O Lord, to my words,
Hearken to the voice of my pray
For to thee will I pray: O Lord,
In the morning I will stand befo
God that wildest iniquity.

Text Viewer - CUL Ff.1.23

8v   

0

Unspecified

X     Main Clauses  Other Clauses  Person 

Location  0    <>

8v in id ipsum ob dormiam et requiescam ./ | quoniam tu Domine
~~Deleted~~ Person name
singulariter in spe constituisti me. ||| SALMUS DAVID :. | Verba mea
auribus percipi de domine . intellege clamorem meum ./ | intende uoci
oratio nis mee ./ | rex meus et deus meus ; | Quoniam ad te orabo
domine | mane ./ | et exaudi es uocem meam ; ||| Mane astabo tibi et uidebo

Give ear, O Lord, to my words, understand my cry.

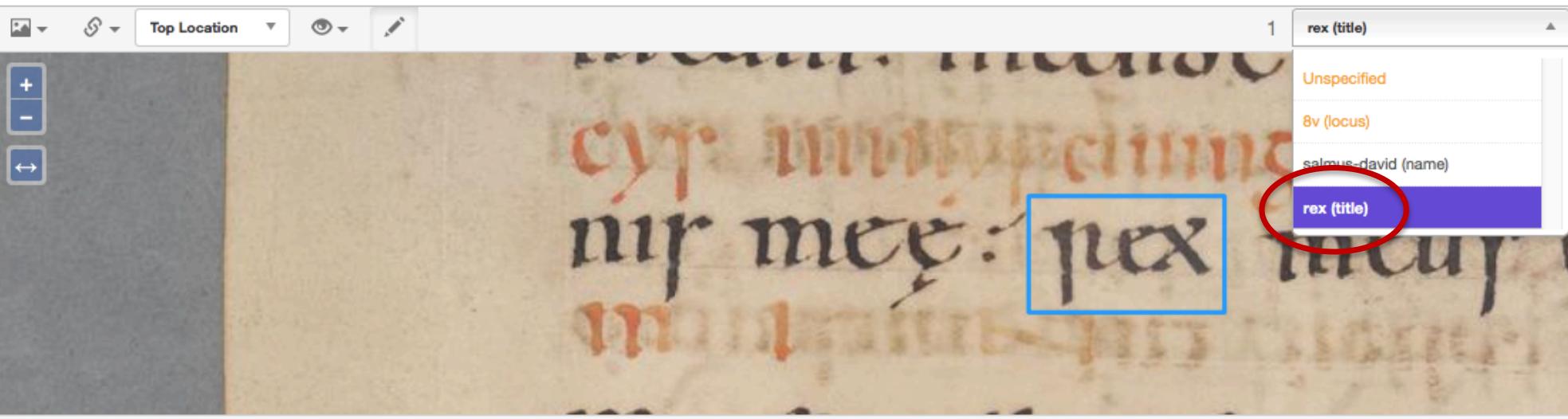
Hearken to the voice of my prayer, O my King and my God.

For to thee will I pray: O Lord, in the morning thou shalt hear my voice.

In the morning I will stand before thee, and will see: because thou art not a
God that willest iniquity.

Content loaded

Text Viewer - CUL Ff.1.23

8v   

12:52:59

X     Main Clauses ▾ Other Clauses ▾ Person ▾

Location ▾ 0 + S <>

8v in id ipsum ob dormiam et requiescam ./ | quoniam tu Domine
Deleted singulariter in spe constituisti me. || SALMUS DAVID :. | Verba mea
auribus percipie domine . intellege clamorem meum ./ | intende uoci
oratio | nis mee ./ | rex meus et deus meus ; | Quoniam ad te orabo
domine | mane ./ | et exaudi es uocem meam ; || Mane astabo tibi et uidebo

Content loaded 12:44:57

You are logged in as admin | Database | Log out

Give ear, O Lord, to my words, understand my cry.

Hearken to the voice of my prayer, O my King and my God.

For to thee will I pray: O Lord, in the morning thou shalt hear my voice.

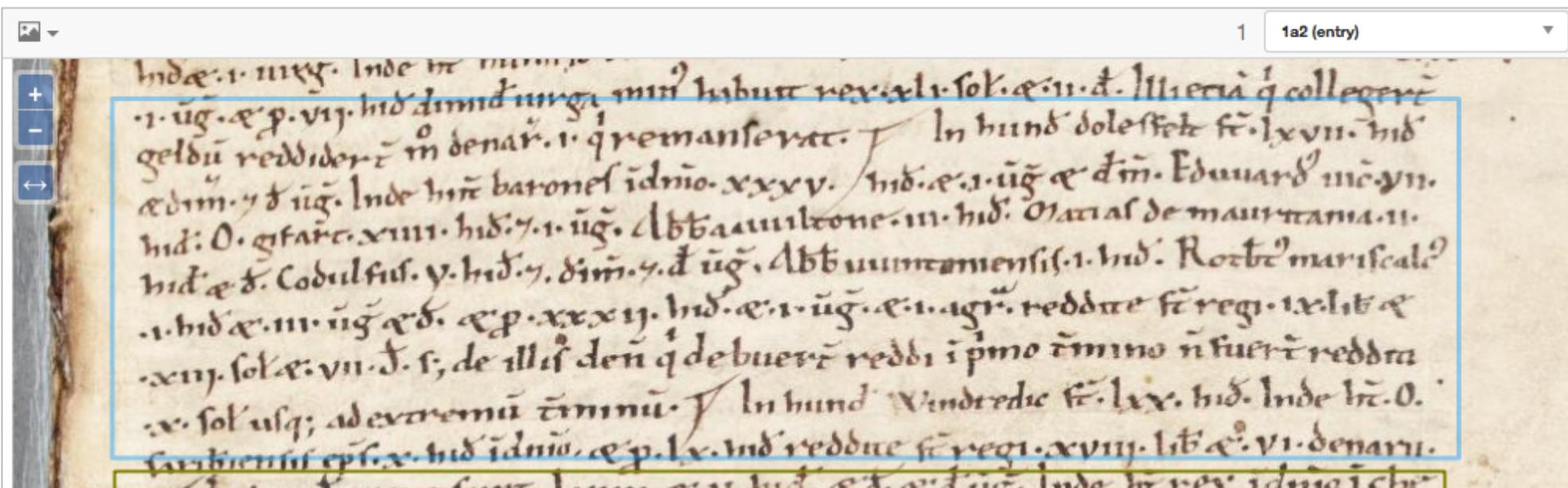
In the morning I will stand before thee, and will see: because thou art not a
God that willest iniquity.

Content loaded

Exon Domesday Project

[Browse](#) ▾[ExonDB Contents](#)[Search](#) ▾[Collection \(0\)](#) [News & Blog](#)[About](#) ▾

Text Viewer - Exeter 3500

▼ 1a2 < >

Indæ. i. uirg. Inde h[ab]et m[od]estu[m] habuit rex ali[s] sol. et ii. d[enarii]. Illerū q[uo]d collegere
i. uirg. et p. viij. hid dimid uirga. min[or] habuit rex ali[s] sol. et ii. d[enarii]. Illerū q[uo]d collegere
geldū reddiderūt in denarii. i. q[uo]d remanserat. In hund dolesfelt f[er]m. lxvii. hid
et dimid. 7 d[enarii]. Inde h[ab]et barones idm[od]o. xxxv. hid. et. i. uirg. et dimid. Eduardus uicecomes
hid. O. gifart. xiii. hid. 7. i. uirg. Abbatissa Vuilstone. iii. hid. Matias de Mauritania. ii.
hid. et. Codulfus. v. hid. 7. dimid. 7. d[enarii]. Abbatissamensis. i. hid. Robertus mariscalus
i. hid et. iii. uirg. et. et p. xxxij. hid. et. i. uirg. et. i. agri. reddite f[er]m regi. ix. lib[er]t[er] et
xiiij. sol. et. vii. d[enarii]. de illis deni q[uo]d debuerūt reddi i p[ro]mo t[er]minu[n]to n[on] fuerūt reddita
ix. sol usq[ue] ad extremu[m] terminu[m]. In hund. Windredic f[er]m. lxx. hid. Inde h[ab]et. o.
caribius ep[iscop]us. x. hid idm[od]o. et p. lx. hid reddite f[er]m regi. xvij. lib[er]t[er] et. vi. denarii.
In hund mero sunt. lxxv. et. v. hid et. et d[enarii]. Inde h[ab]et rex idm[od]o i che

Location > entry > 1a3 10:59:35

§ in hundredo Dolesfelt sunt .lxvii. hidæl et dimidia. 7 dimidia uirga.
inde habent barones in dominio .xxxv. hidæs. et i. uirgam et
dimidiæ. Eduuardus uicecomes .vii. hidæs. O(sbernus). gifart .xiv.
hidæs. 7 i. uirgam. abbatissa Vuilstone .iii. hidæs. Matias de Mauritania
.ii. hidæ et dimidiæ. Codulfus .v. hidæ 7.dimidiæ. 7.dimidiæ
Content loaded 10:59:24

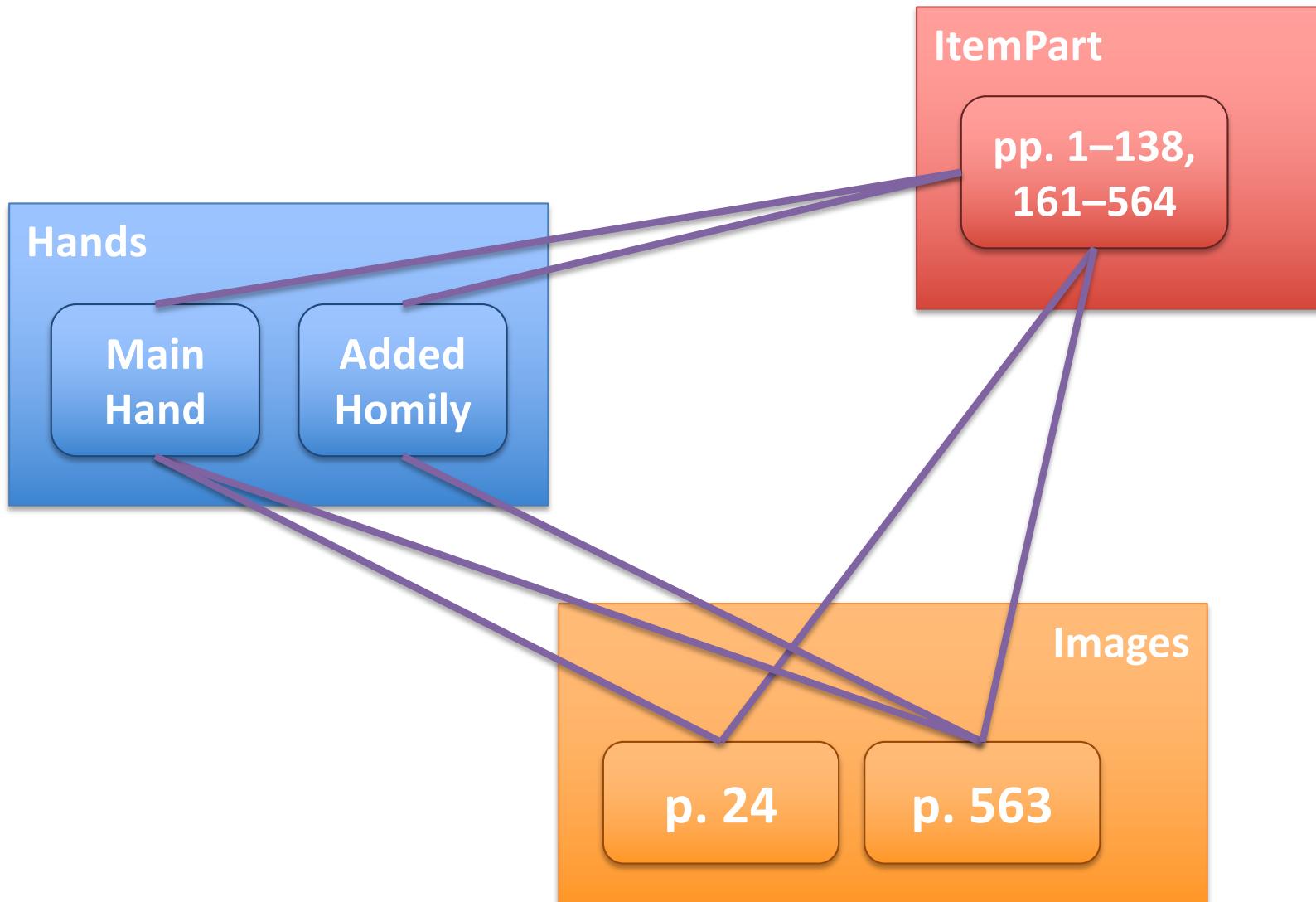
Top Location 10:59:16

§ In 'DOLESFIELD' hundred
virgate.

Entry numbers If and half a
 Highlights
 Marginalia
 Hide supplied text

Of them the barons have in demesne 35 hides and 1 virgate and a half:
Edward [of Salisbury] the sheriff [has] 7 hides, O [sbern] giffard 14
Content loaded 10:59:16

Hands and Images



Add an Image

Source

Item part:

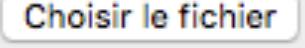
   

Locus:

Folio side: (None)

Folio number: (None)

Image file

lipimage:  Choisir le fichier aucun fichier sél.

Media permission:

This field determines if the image is publicly visible and the reason if not.

Media Permissions

	ID	Label ▾	Display message	Get permission label
<input type="checkbox"/>	3	Have Licence		Full Resolution
<input type="checkbox"/>	1	No Licence	A full image of this page is not yet available. We are working to obtain the necessary permissions and hope to provide an image in due course. For further details see About > Acknowledgements and Image Rights .	Thumbnail Only
<input type="checkbox"/>	4	Open Access		Full Resolution
<input type="checkbox"/>	2	Poor Quality	<p>A full image of this page is not yet available. We are working to obtain one and will make it available as soon as possible. See further About &gt; Acknowledgements and Image Rights </p>	Private

Add a Hand

Item Part and Scribe

Item part:

 ▼ + ≡

Scribe:

 ▼ + ≡

Labels and notes

Label:

Num:

The order of display of the Hand label. e.g. 1 for Main Hand, 2 for Gloss.

Add a Hand (2)

Available Images ⓘ

Filter

- BL Stowe 944: 41v
- BL Stowe 944: 42r
- BL Stowe 944: 8r
- Bodleian Auct. F.4.32, fols. 1–9 and 19–37: 22r
- Bodleian Auct. F.4.32, fols. 1–9 and 19–37: 25r
- CCCC 190: 17v
- CCCC 190: 266v
- CCCC 201, 1–7 and 167–76: 161v
- CUL Kk.3.18: 84v
- CUL Kk.3.18: 84v (detail)
- CUL Kk.3.18: 85r
- CUL Kk.3.18: 85v (detail)
- CUL Kk.3.18: 87v (detail)

Choose all

Chosen Images ⓘ

Remove all

+

≡

Existing Terminology (Davis, 'The Practice')

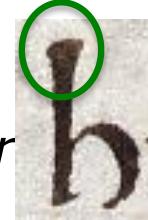
- **Allograph**: A form of a given letter **common to a group of people** (cf. Roman **a** vs Italic **a**)
 - Abstract, ideal, 'Platonic'.
 - Cf. Parkes' *script*: what the scribe has in mind's eye
- **Idiograph** (*not ideograph!*): The way in which **one individual habitually writes** a particular allograph
 - Cf. Parkes' *hand*: what the scribe puts on the page (in general)
- **Graph**: A **physical instance** of a letter; the 'ink on the page'
 - Concrete realisation of the abstract ideal
 - What the scribe puts on the page (in a specific instance)

'New' Terminology: Archetype Additions

- **'Ontograph'**: More or less a grapheme, but generalised
- **Character**: A letter/symbol **with form** (*not* grapheme)
 - a æ b c A Æ B C a ßy . , ? 學 etc.
- **Component**: A part of a character or allograph which is deemed significant to the script and, as far as possible, which repeats across different characters or allographs
 - E.g. *ascender* (in **b**, **d**, **h**, **I**, ...), *descender* (**j**, **p**, **q**), *bowl* (**b**, **p**, **q**, ...)
 - Possibility of sub-components, e.g. serif, foot, ...
- **Feature**: An attribute; a descriptive label for one or more different components or to allo/ido/graph(s)
 - E.g. *narrow*, *wide*, *tall*, *short*, *long*, ...

Terminology in Action

- Character *minuscule h*
 - Has Allograph *Caroline h*
 - *Caroline h* has Component *ascender* and Component *arch*
 - Component *ascender* has Feature *wedged*
 - Has Allograph *Insular h*
 - *Insular h* also has Component *ascender* and Component *arch*
 - Component *ascender* has Feature *split*
- Script *Vernacular minuscule*
 - Includes Allograph *Insular h*
- Scribal Practice of 'Eadwig Basan'
 - Includes *Insular h* for Script *Vernacular minuscule*
 - Includes Idiograph of *Insular h* with Component *arch* having Feature *round*



Generalisation

Once the structure is in place, we can apply it to many different contexts simply by changing the labels:

- **Character**: Simply change list according to context
a, b, c... **a**, **B**, **g**, ... A, Β, B, Γ ... ଅଇଁ... ...ଅବ୍ୟୁ...
アイウエオ...あいうえお... กخค... 我们在大学...
- **Idiograph, allograph** and **graph**: remain unchanged
- **Component** and **feature**: Terms change according to context
Bowl, ascender, descender, ... shù, shù gōu, ...

If the model applies then
nothing in the software needs to change

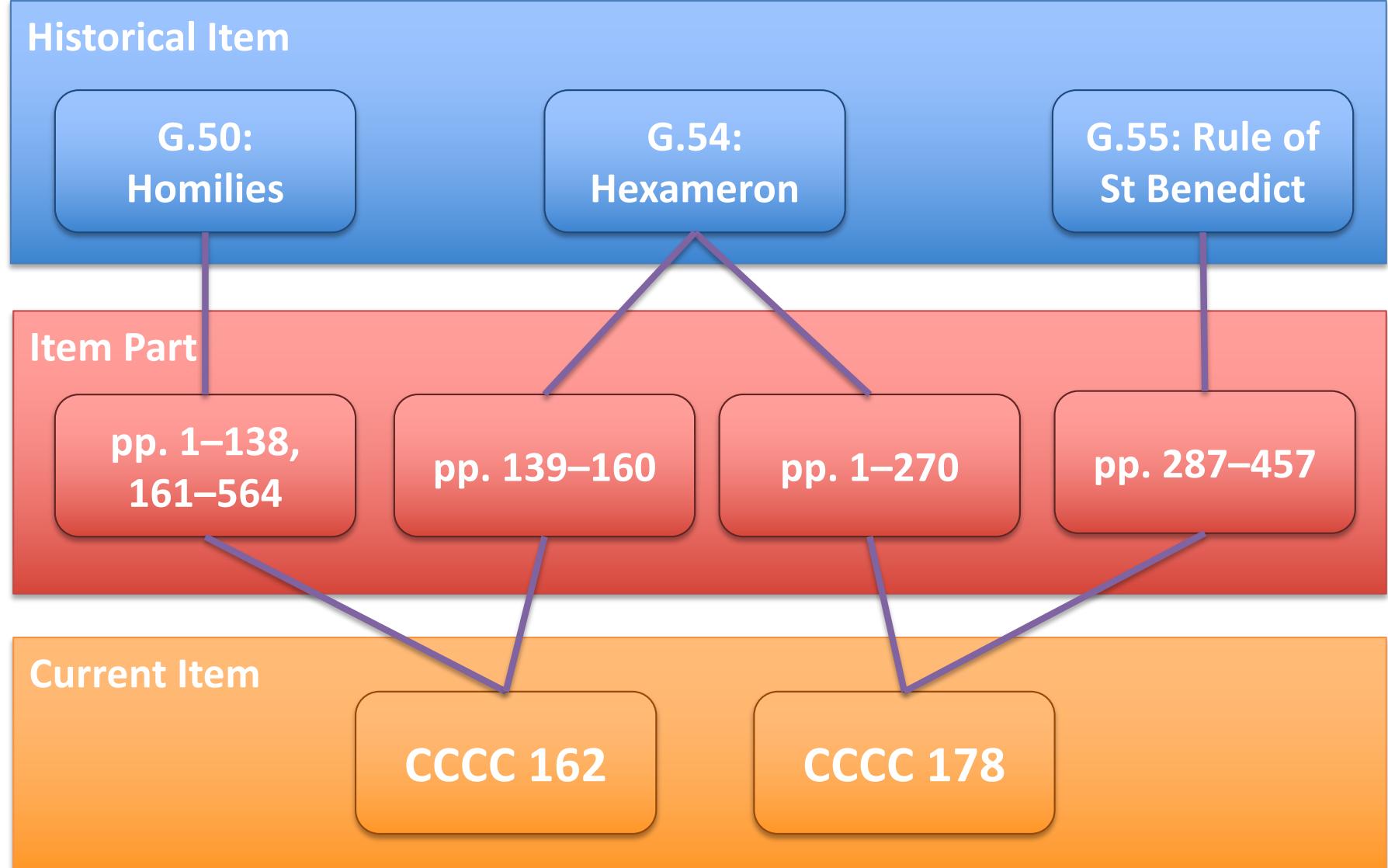
What about Decoration?

- **Icon** → A ‘top-level’ form in the graphic ‘alphabet’
 - Virgin Mary; Jesse Tree; Christ; ...
- **‘Allo’** → A given expression of that form with characteristics common to a group of people (cf. IconClass)
 - Madonna in the air or on the clouds (11F5); Majestas Domini (11D321)
- **‘Idio’** → The way in which a given artist produces that particular form
- **‘Graph’** → A physical instance of that form on the page
- **Component, Feature** → As before
 - Hand, drapery, eyes, foliage, border; Virgin, child, angels,...
 - Drapery can be rigid, agitated, smooth, ... eyes can be round, narrow...

Items

- **Item:** 'A single exemplar of a [text]' (FRBR).
Corresponds to a physical object (book, tablet, etc.)
- **G.50: Cambridge, Corpus Christi College 162, pp. 1–138, 161–564** Homilies (most by Ælfric)
- **G.54: Cambridge, Corpus Christi College 178, pp. 1–270 [with CCCC 162, pp. 139–160]**
Ælfric, *Hexameron*, ...
- **G.55: Cambridge, Corpus Christi College 178, pp. 287–457** *Regula S. Benedicti*

Parts



Items

- **Item:** 'A single exemplar of a [text]' (FRBR).
Corresponds to a physical object (book, tablet, etc.)
- **Historical Item:** a complete object as it existed at an arbitrary historical point in time (a book, a tablet, etc.).
Usually corresponds to a catalogue entry (Ker, Gneuss, Sawyer...).
- **Current Item:** a complete object as it exists today.
Usually corresponds to a single shelfmark/accession number.
- **Item part:** one or more parts of an item (e.g. set of folios, fragment of a manuscript, fragment of a tablet).
Item parts should be as inclusive as possible to allow mapping from a historical item to a current item.

Add a 'Current Item' and an 'Item Part'

Add current item

Display label:

Repository:

Shelfmark:

Description:

Legacy

Legacy id:

Item Parts

Item Part #1
Group: <input type="text"/> <input type="button" value="+"/> <input type="button" value="≡"/> the item part which contains this one
Group locus: <input type="text"/>

Add a 'Historical Item'

Display label:

Name:

Date:

Catalogue number:

Classifications

Historical item type: + Ⓜ

Historical item format: + Ⓜ

Categories:

Hold down "Control", or "Command" on a Mac, to select more than one.

Available categories ⓘ

Filter

Choose all

Chosen categories ⓘ

Remove all

Add a 'Historical Item'

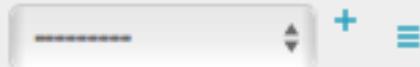
Catalogue Numbers	
Catalogue Number #1	
Text:	<input type="text" value="-----"/>   
Source:	<input type="text" value="-----"/>   
Number:	<input type="text"/>
Url:	<input type="text"/>
Catalogue Number #2	
Catalogue Number #3	

Add a Description

Descriptions

Description #1

Text:



Source:



Description:



Comments:

Backing up and Sharing Data

Unfortunately this doesn't work for Windows!

- Kitematic > « Exec »
- In the terminal, type
`python build/zip_digipal_project.py`
- Open the URL
<http://localhost:9080/static/archetype.tar.gz>
- The browser will download a file called `archetype.tar.gz` (probably at least 10MB, can be much more).
This file is a copy of your data which you can share, etc.

Restoring Data

Unfortunately this does not work for Windows!

- Stop Archetype: Kitematic > « Stop »
- Go to Documents > Kitematic > archetype > home > digipal > digipal_project
- Delete all the files in « digipal_project »
 - __init.py__, __init.pyc__, archetype.sql, backups, ...
- Copy and paste the file archetype.tar.gz in the folder digipal_project
- Restart Archetype (Kitematic > « Start ») and **wait!**

Add an 'Ontograph' and its Characters

Name:	<input type="text"/>
Type:	<input type="text"/> + =
Nesting level:	0
An ontograph can contain another ontograph of a higher level. E.g. level 3 can be made of ontographs of level 4 and above. Set 0 to prevent any nesting.	
Sort order:	0

Characters	
Character #1	
Name:	<input type="text"/>
Unicode point:	<input type="text"/>
Form:	<input type="text"/> + =

Add an Allograph

Name:

Character:

Default

Add Components and Features

Add component

Name:

Add feature

Name:

Add component feature

Component:

 + =

Feature:

 + =

Set by default

Link Allographs to Components

Allograph Components

Allograph Component #1

Component: ----- + =

Hold down "Control", or "Command" on a Mac, to select more than one.

Features: + =

Available features ⓘ

Filter

3-shaped
3/4 closed
45°
above baseline
above minin height
below

Chosen features ⓘ

A large red 'X' is drawn across the entire interface, covering both the 'Available features' and 'Chosen features' panels, indicating that no features have been selected or are incorrect.

Some More Advanced Features

The Dashboard

MEZZANINE

Web Content

Document

Image

Hand

Annotation

Symbol

Descriptor

Actor

Dashboard

Web Content		
Blog posts	+ Add	≡ Change
Pages	+ Add	≡ Change
Carousel items	+ Add	≡ Change
Keywords	+ Add	≡ Change
Comments		≡ Change
Media Library		

Document		
Historical items	+ Add	≡ Change
Current items	+ Add	≡ Change
Item parts	+ Add	≡ Change
Historical item types	+ Add	≡ Change
Formats	+ Add	≡ Change
Categories	+ Add	≡ Change

The 'Change List'

Select image to change

Add image

<input type="checkbox"/>	ID	Display label	Thumbnail	Status	Annotation status	#ann.	Media permission	Created	Modified	lipimage
<input type="checkbox"/>	720	Beinecke Beinecke Library 578: rv		1 hands	(None)	0	(None)	March 22, 2014, 11:49 a.m.	May 23, 2014, 3:23 p.m.	jp2/admin-upload/c/c3b3d851-c3b7-4068-9ddc-870d65c99e43.jp2
<input type="checkbox"/>	717	Beinecke Beinecke Library Osborn fa 26: verso		1 hands	(None)	125	(None)	March 22, 2014, 11:45 a.m.	May 23, 2014, 3:23 p.m.	jp2/admin-upload/6/6cb6403b-3a71-413e-8092-f675e55299ec.jp2
<input type="checkbox"/>	556	BL Additional 32246: 3r		2 hands	(None)	128	(None)	Nov. 7, 2013, 10:31 a.m.	May 23, 2014, 3:23 p.m.	jp2/bl/add_32246/3r.jp2
<input type="checkbox"/>	362	BL Additional 34652, fol. 2: 2r		1 hands	(None)	126	(None)	Aug. 5, 2013, 12:24 p.m.	May 23, 2014, 3:23 p.m.	jp2/admin-upload/1/192fd380-2636-4cec-aa8b-7106efefa702.jp2

Search Q

Filter

- [By annotation status](#)
- [By label](#)
- [By Annotations](#)
- [By Associated Features](#)
- [By Associated Hand](#)
- [By Item Part](#)
- [By Duplicate Shelfmark](#)
- [By Duplicate Image File](#)

The Edit Form

Change image

[Context](#)[History](#)[View on site](#)

Display label:

Beinecke Beinecke Library 578: rv

Custom label:

Leave blank unless you want to customise the value of the display label field

Source

Item part:

Beinecke Beinecke Library   

Locus:

 rv

Folio side:

(None)

Folio number:

(None)

Image file

Types of Input Control

Item part: **BL Stowe 944**   

Hand-Image Relationships 

- Hand-Image Relationship #1 Main Hand in Beinecke Beinecke Library 578: rv 
- Hand-Image Relationship #2
- Hand-Image Relationship #3
- Hand-Image Relationship #4

Select more than one.

Available images 

 Filter

- Bodleian Auct. F.4.32, fols. 1–9 and 19–37: 22r
- Bodleian Auct. F.4.32, fols. 1–9 and 19–37: 25r
- CCCC 190: 17v
- CCCC 190: 266v
- CCCC 201, 1–7 and 167–76: 161v
- CUL Kk.3.18: 84v
- CUL Kk.3.18: 84v (detail)
- CUL Kk.3.18: 85r
- CUL Kk.3.18: 85v (detail)
- CUL Kk.3.18: 87v (detail)
- CUL Kk.3.18: 87v

Chosen images 

- BL Stowe 944: 41v
- BL Stowe 944: 42r
- BL Stowe 944: 8r

Change Password

MEZZANINE

English pstokes Change password View site Log out

Web Content

Document

Image

Hand

Annotation

Symbol

Descriptor

Actor

Location

Admin

Change user

History View on site

Username: pstokes
Required. 30 characters or fewer. Letters, digits and @/./+/-/_ only.

Password: algorithm:pbkdf2_sha256 iterations: 12000 salt: HggK1o***** hash: GjdtMq*****
Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using [this form](#).

Personal info

First name:

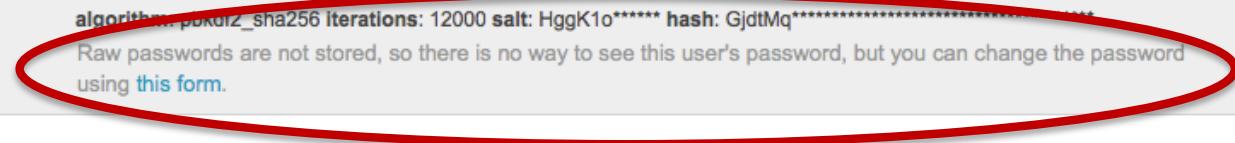
Last name:

Email address:

Permissions

Active
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

Staff status



'Bulk Edit' for Images

Select image to change

A screenshot of a user interface showing a context menu for image selection. The menu items are:

-
-
- Delete selected images
- Bulk edit** (highlighted in blue)
- Regenerate display labels
- Find nested annotations

The menu is overlaid on a table view. The table has columns for ID, Status, and #ann. The visible row shows ID 5, Status (None), and #ann. 0. A small thumbnail image of a document page is visible at the bottom of the table.

ID	Status	#ann.
5	(None)	0

'Bulk Edit'

Edit the selected images	
Operation	Options
<input type="checkbox"/> Set item part	Select the correct shelfmark and folio range from this list. cccc 190 [edit] <input type="checkbox"/> The images shelfmark is not in that list <input type="checkbox"/> The correct shelfmark is selected but the folio range is not in the list
<input type="checkbox"/> Set side and number in sequence	Starting from number <input type="text"/> and side <input type="text"/>
<input type="checkbox"/> Set number from file name	The folio number will be set from the number found in the file name. e.g. ff.49v => folio 49
<input type="checkbox"/> Set folio side from file name	The folio side will be set from the side found in the file name. e.g. ff.49v => Verso
<input type="checkbox"/> Generate Locus from file name	Generate the locus from the file name according to a regular expression. Example: Expression = 'my_file_(\d+)\.jp2', Locus = 'page \1'. If file name = 'my_file_20.jp2' the locus will be 'page 20'. Matching expression: <input type="text" value="gb_exc_ms3500_(.*).jp2"/> Locus: <input type="text" value="[\d]"/> Try it on: <input type="text" value="jp2/admin-upload/0/06f408bc-9bc6-4e89-9735-d61"/> Result:
<input type="checkbox"/> Show duplicates images	Show possible duplicates of the selected images and record merging tool
Change	

The 'Change List' again

Search 

Filter

- [By label](#)
- [By Locus](#)
- [By Annotations](#)
- [By Associated Features](#)
- [By Associated Hand](#)
- [By Item Part](#)
- [All](#)
- [With Item Part](#)
- [Without Item Part](#)
- [By Duplicate Shelfmark](#)
- [By Duplicate Image File](#)

Thumbnail	Hands	Status	#ann.	Permission	Created	Modified	Keywords	File
	2 hands	(None)	0	(None)	Aug. 9, 2016, 5:33 p.m.	Aug. 9, 2016, 5:34 p.m.		jp2/admin-up...
	2 hands	(None)	85	(None)	Aug. 9, 2016, 5:33 p.m.	Aug. 9, 2016, 5:34 p.m.		jp2/admin-up...
	2 hands	(None)	0	(None)	Aug. 9, 2016, 5:33 p.m.	Aug. 9, 2016, 5:34 p.m.		jp2/admin-up...
	2 hands	(None)	12	(None)	June 25, 2016.	June 25, 2016, 3:51		jp2/admin-up...

Changing the Carrousel (images on the Home Page)

Add carousel item

Link:	<input type="text"/>	The URL of the page this item links to. E.g. /digipal/page/80/
Image file:	<input type="button" value="Choisir le fichier"/> aucun fichier sél.	The image for this item. Not needed if you have provided a the URL of the image in the image field.
Image:	<input type="text"/>	The URL of the image of this item. E.g. /static/digipal/images/Catholic_Homilies.jpg. Not needed if you have up
Image alt:	<input type="text"/>	a few words describing the image content.
Image title:	<input type="text"/>	the piece of text that appears when the user moved the mouse over the image (optional).
Sort order:	<input type="text"/>	The order of this item in the carrousel. 1 appears first, 2 second, etc. 0 is hidden.
Title:	<input type="text"/>	The caption under the image of this item. This can contain some inline HTML. You can surround some text wit

Adding Static Rich Text Pages

MEZZANINE

Web Content

- Blog posts
- Pages
- Carousel items
- Keywords
- Comments
- Media Library

Item

Image

Hand

Annotation

Symbol

Select Page to change

Action	Page Type	Add	Order	Remove
+ Add ...	Browse Images	Add ...	▲ ▼	X
+ Add ...	View by List	Add ...	▲ ▼	X
+ Add ...	View on Map	Add ...	▲ ▼	X
+ Add ...	Search	Add ...	▲ ▼	X
+ Add ...	Collection	Add ...	▲ ▼	X
+ Add ...	Lightbox	Add ...	▲ ▼	X
+ Add ...	News & Blog	Add ...	▲ ▼	X
+ Add ...	News	Add ...	▲ ▼	X
+ Add ...	Blog	Add ...	▲ ▼	X
+ Add ...	About	Add ...	▲ ▼	X

Adding Links to the Main Menu

Add Link

Title:	Lightbox		
URL:	/digipal/lightbox/		
Status:	<input type="radio"/> Draft	<input checked="" type="radio"/> Published	
	With Draft chosen, will only be shown for admin users on the site.		
Published from:	Date: <input type="text"/>	Today  Time: <input type="text"/>	Now 
	With Published chosen, won't be shown until this time		
Expires on:	Date: <input type="text"/>	Today  Time: <input type="text"/>	Now 
	With Published chosen, won't be shown after this time		
Show in menus:	<input checked="" type="checkbox"/> Top navigation bar	<input checked="" type="checkbox"/> Left-hand tree	<input checked="" type="checkbox"/> Footer

Change Settings

Comments	
Accounts required for commenting:	<input type="checkbox"/> If True , users must log in to comment.
Disqus public key:	<input type="text"/> Public key for http://disqus.com developer API
Disqus secret key:	<input type="text"/> Secret key for http://disqus.com developer API
Comment notification email addresses:	<input type="text"/> A comma separated list of email addresses that will receive an email notification each time a new comment is posted on the site.
Admin comments:	<input type="text" value="5"/> Number of latest comments shown in the admin dashboard.
Show removed comments:	<input checked="" type="checkbox"/> If True , comments that have removed checked will still be displayed, but replaced with a removed message.
Show unapproved comments:	<input checked="" type="checkbox"/> If True , comments that have is_public unchecked will still be displayed, but replaced with a waiting to be approved message.

**Even More Advanced
Features...**

kcl-ddh / **digipal**[Unwatch](#) 8[Unstar](#) 15[Fork](#) 2[Code](#)[Issues 16](#)[Pull requests 0](#)[Projects 0](#)[Wiki](#)[Insights](#)[Edit](#)[New Page](#)

Home

Peter Stokes edited this page on 22 Apr · 10 revisions

The DigiPal Framework

The DigiPal framework is generic, open-source software for the analysis and presentation of palaeographical and related materials and texts. It was first developed as part of the Digital Resource and Database for Palaeography, Manuscript Studies and Diplomatic (DigiPal), a project funded by the European Research Council to bring digital technology to bear on scholarly discussion of medieval handwriting. A large part of this work has been the development of a freely-available generalised framework for the online presentation of images with structured annotations and data which allows scholars to search for, view, and organise detailed characteristics of handwriting or other material in both verbal and visual form. It was then extended as part of subsequent projects, particularly Models of Authority and the Conqueror's Commissioners, both of which were funded by the Arts and Humanities Research Council (AHRC, UK). To date it is being used for the following material:

- [Writing in Old English from the eleventh century \(DigiPal\)](#)
- Fragments of manuscripts from Scandinavia written in the eleventh century (ScandiPal)
- The decoration and script of fifteenth-century manuscripts in Hebrew from the Iberian Peninsula (SephardiPal)
- Inscriptions in Greek, Latin and both from the province of Thracia (InsPal)
- Inscriptions on medieval coins in the Bibliothèque Nationale de France (PIM)
- [The palaeography and codicology of the Exon Domesday Book \(Exon Domesday/The Conqueror's Commissioners\)](#)

[Pages 23](#)

Home



Getting Started

- [Installing and Running DigiPal](#)
- [Changing or Resetting Passwords](#)
- [Fixing broken images in Docker](#)

Using DigiPal

- [Collections](#)
- [The Lightbox](#)

The Data Model

- [Items and their Parts](#)
- [Hands and Scribes](#)
- [Letters and Other Symbols](#)

Entering New Content

- [The Admin Interface](#)

Graphs

Clauses

People

Document Type ▾

Text Date



Precision (in years)

at most ▾



Character Type (1)

abbreviation 259

Character Form (1)

n/a 259

Character (1)

7 259

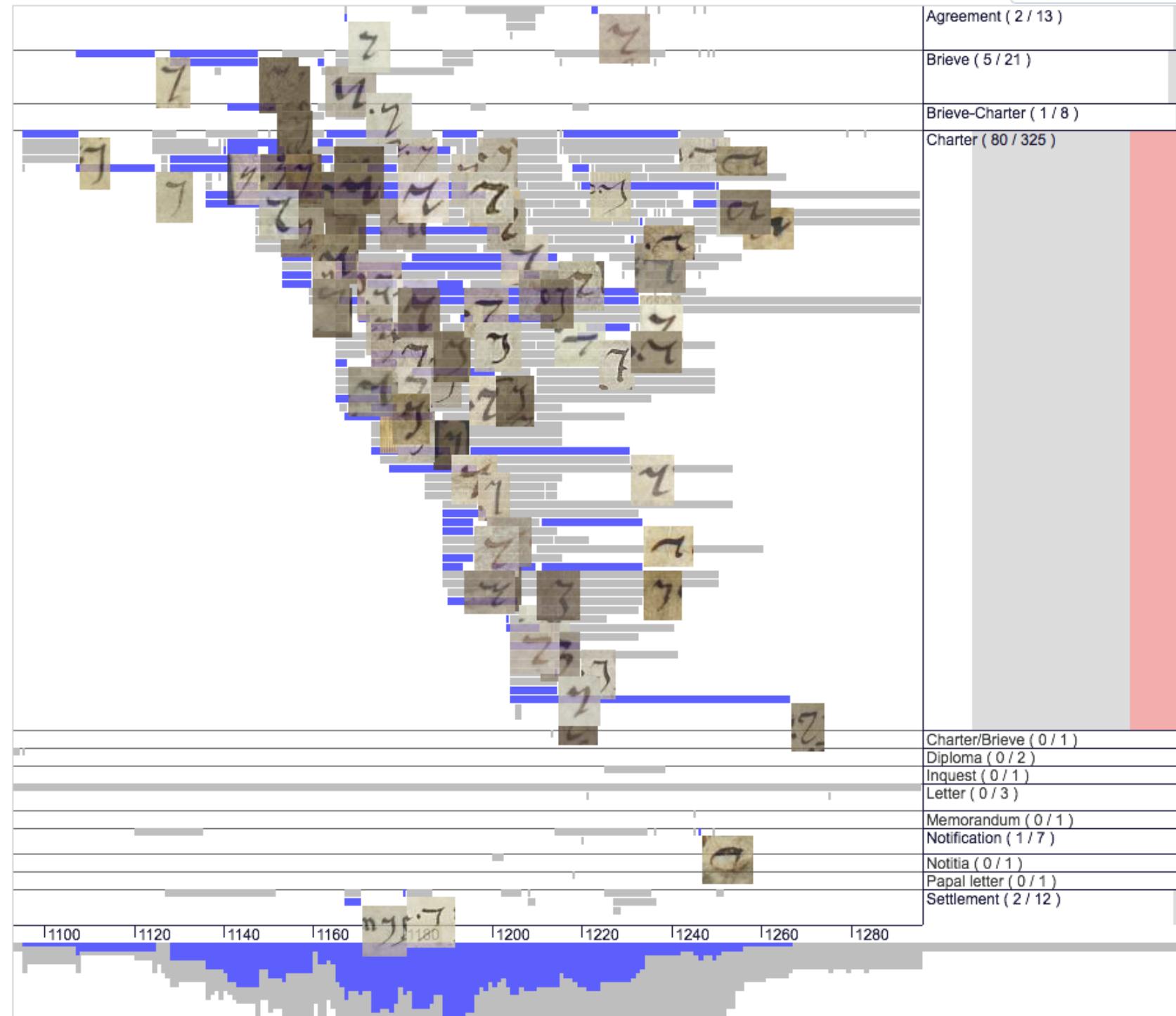
Allograph (1)

7 259

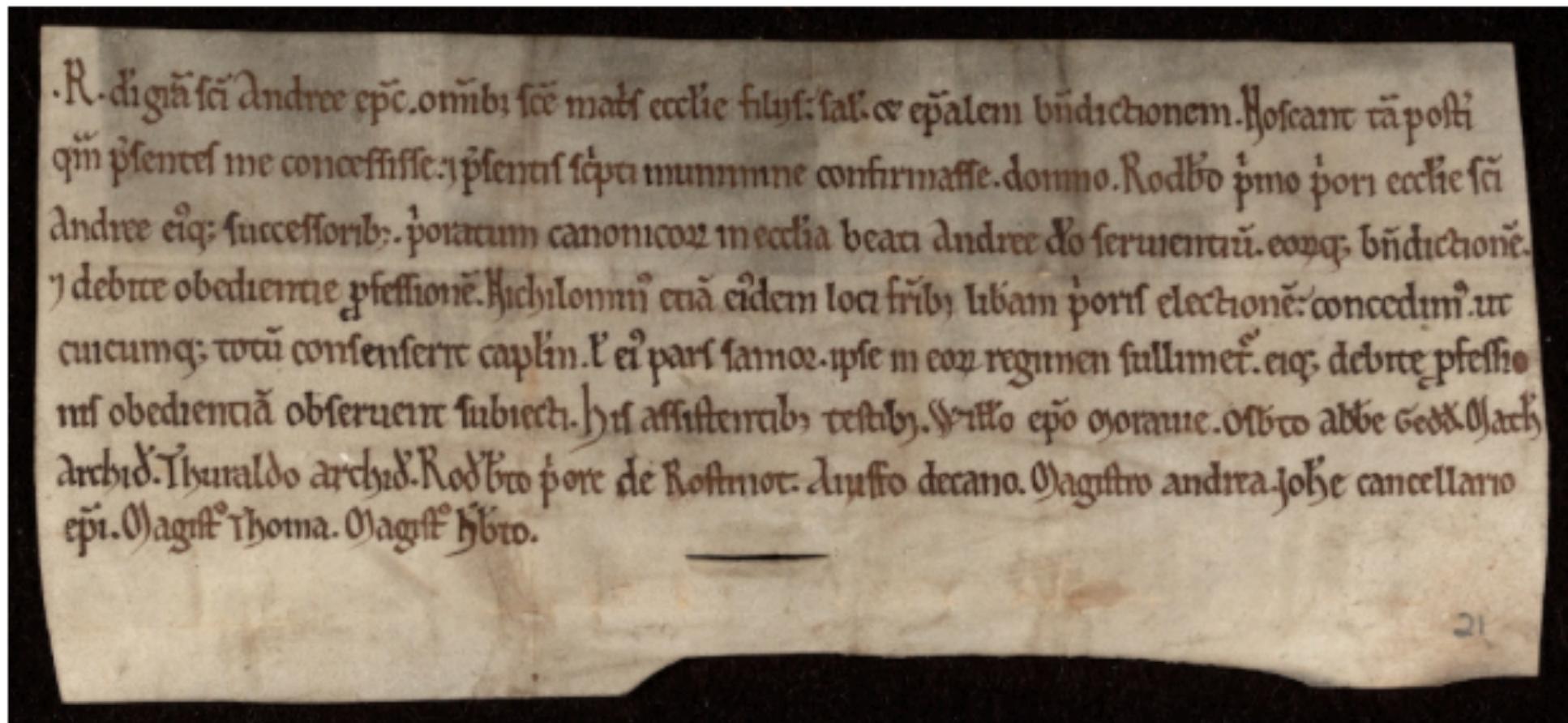
Component (1)

Stem 259

Feature (1)



See, for example, NLS Adv. MS 15.1.18, no. 21:



The examples below are from NLS Adv. MS 15.1.18, no. 21 and show d with a straight shaft
and its simplified variant, & and the 7-shaped abbreviation symbol:

d

d

d

cc

7

Text Viewer - NLS Adv. MS 15.1.18, no. 1

face

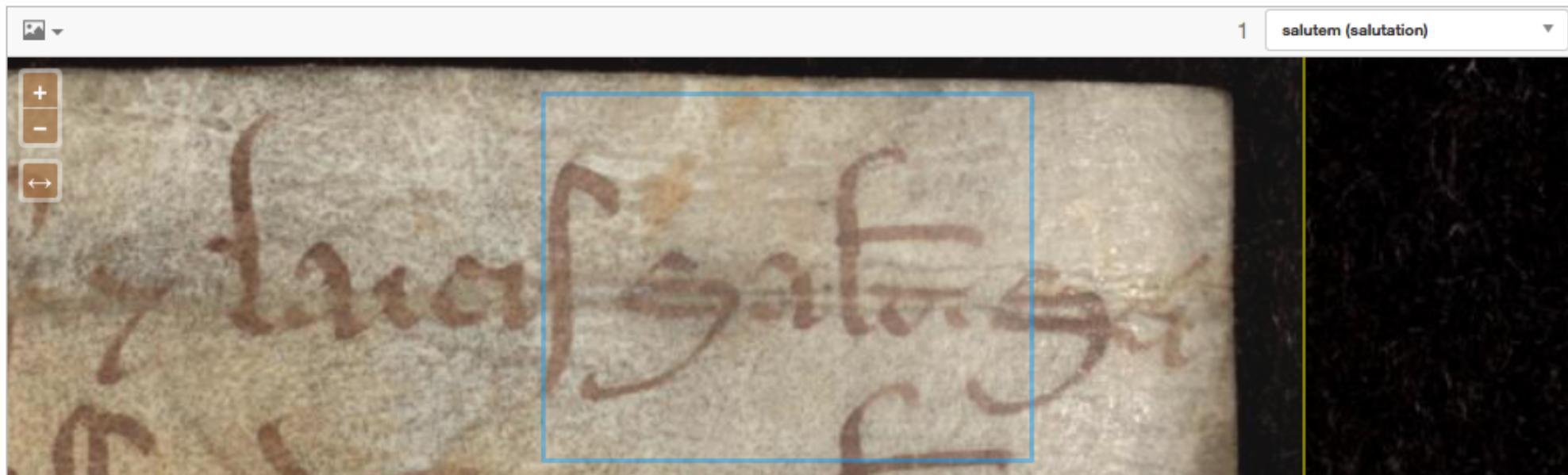
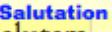
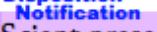
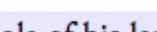
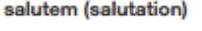
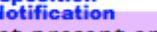


Image loaded.

11:01:22

Address Intitulatio	W. dei gratia Rex Scott' . Omnibus probis Hominibus tocius terre sue clericis  laicis  . Sciant presentes  futuri me concessisse  Hac Carta mea confirmasse deo  ecclesie Sancti Andree . Apostoli in Scocia .  canonicis ibidem deo seruientibus donacionem illam quam eis fecerunt Hugo . Giffard .  Willelmus filius eius . de Content loaded	1  salutem (salutation)
	William, by the grace of God king of Scots, whole of his land, clerk and lay,  Greeting : Let present and future know that I have granted and by this my charter made firm, to God and to the church of St Andrew the Apostle in Scotia, and to the canons in the that place serving God. the donation that Hugh Giffard Content loaded	to all worthy men of the   11:01:06

Log in to see all the content.

Search: Clauses (402)

[Advanced Search](#)

Keywords

↔ 10 / pages ▾ 1 2 3 ... 39 40 41 >

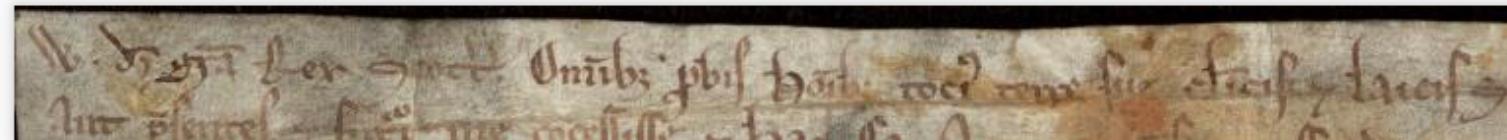


Result Type (7)
Manuscripts
Images
Scribes
Texts
Graphs
Clauses
People

Document Type (4)
Charter 354
Agreement 24
Settlement 14
Notification 10

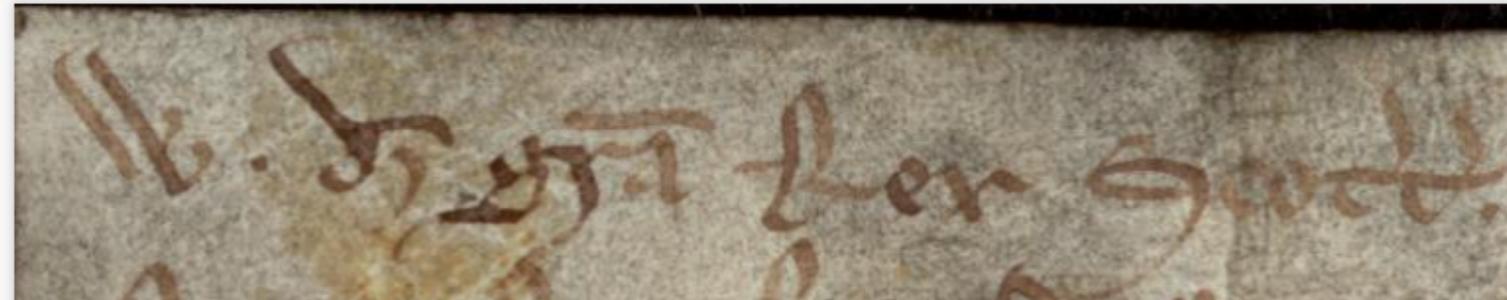
Repository City (1)
Edinburgh 402

	Cat. Num.	Document Type	Repository City	Repository	Shelfmark	MS Date	Text Type	Clause Type	Issuer	Institution	Beneficiary
View	PoMS Document 1/6/329 RRS, ii no. 358	Charter	Edinburgh	National Library of Scotland	Adv. MS 15.1.18, no. 1	1189 x 1195	Transcription	address	William I, king of Scots (d.1214)	St Andrews Cathedral Priory	



W. dei gratia Rex Scott' . Omnibus probis Hominibus tocius terre sue clericis & laicis Salutem .

	Cat. Num.	Document Type	Repository City	Repository	Shelfmark	MS Date	Text Type	Clause Type	Issuer	Institution	Beneficiary
View	PoMS Document 1/6/329 RRS, ii no. 358	Charter	Edinburgh	National Library of Scotland	Adv. MS 15.1.18, no. 1	1189 x 1195	Transcription	intitulatio	William I, king of Scots (d.1214)	St Andrews Cathedral Priory	



Locations, Location Types, Sublocations

- Documents can be labelled with locations (e.g. folios)
 - Can handle large XML documents (e.g. 17MB) by pulling in one part at a time
 - Can have different location types (e.g. physical, textual)
- This means every unit is addressable (... 234/text/translation/locus/2r)
- All locations must be sequential, non-overlapping, total
- Also have sublocations (e.g. an address clause can be a sub-location within a 'face' unit)

face

< >



1

address (clause)



W. dei grā. Rex Scott. Iusticiis suis et vicecomiti suo de Berewic. e
 L. uicecomitatus mei de Berewic. alias hanc co.

Address
Intitulatio

W. dei gratia . Rex Scott' . Iusticiis suis et vicecomiti suo de
 Salutation Injunction
 Berewic' . Salutem . Prohibeo firmiter . Ne Seruientes
 uicecomitatus mei de Berewic . Alias habeant Consuetudines aut
 alias faciant exactiones In Elemosina mea de Coldingham . et
 Coldingham . sire : de Placitis et querelis quas ipsi mouent : quam
 seruientes mei aliorum vicecomitatuum meorum Habent in aliis
 Witnesses elemosinas meis in terra mea . Testibus Engalramus . Episcopo de
 Glasg' . Nicolao Cancellario . Dauid olifard' . Iusticio . Hugone .

Ridel Roberto Avenel Anuid Roxburgh
 Content loaded

12:48:40

Address
Intitulatio

William by the grace of God king of the Scots to his j
 Injunction
 and sheriff of Berwick greeting . I firmly forbid that t
 sergeands of my sheriffdom of Berwick should have any
 customs or make any demands in my alms at Coldingha
 Coldinghamshire from the pleas and plaints which they
 which my sergeands of my other sheriffdoms have in my
 Witnesses
 alms in my land. As witnesses, Ingram bishop of Glasg
 Nicholas chancellor, David Oliphant justice, Hugh Ride

Robert Avenel At Roxburgh
 Content loaded

Search: People (27)

[Advanced Search](#)You are searching for: [Transcription](#) [Marescallus](#)

Keywords



Result Type (6)

[Manuscripts](#)[Images](#)[Texts](#)[Graphs](#)[Clauses](#)[People](#)

Document Type (3)

[Charter](#) 24[Brieve-Charter](#) 2[Agreement](#) 1

Repository City (3)

[Durham](#) 14[Edinburgh](#) 7[London](#) 6

Repository (4)

[Durham,](#) 14[Durham](#)[Cathedral](#)

20 / pages ▾

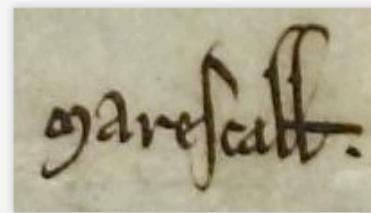


1

2

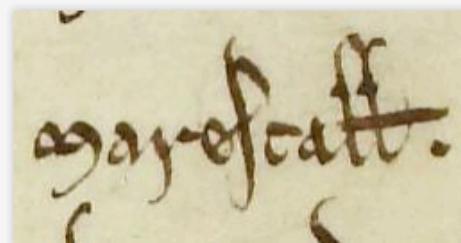


	Cat. Num.	Document Type	Repository City	Repository	Shelfmark	Text Date	Text Type	Category
View	PoMS Document 1/7/45 RRS, iii no. 45	Charter	Durham	Durham Cathedral Archives	DCD Misc. Ch. 622	31 July, 1218 x 1221	Transcription	Marescallus



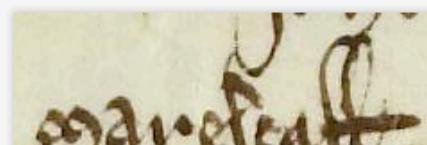
Marescallo

View	PoMS Document 1/7/76 RRS, iii no. 74	Charter	Durham	Durham Cathedral Archives	DCD Misc. Ch. 624	30 November 1222	Transcription	Marescallus
----------------------	-----------------------------------------	---------	--------	---------------------------	-------------------	------------------	---------------	-------------



Marescallo

View	PoMS Document 1/7/76 RRS, iii no. 74	Charter	Durham	Durham Cathedral Archives	DCD Misc. Ch. 624	30 November 1222	Transcription	Marescallus
----------------------	-----------------------------------------	---------	--------	---------------------------	-------------------	------------------	---------------	-------------



RESTful API

If you know how to programme a little then you can use special URLs to connect directly to the database, bypassing the normal web interface. In this case you can:

- Build customised queries, accessing the complete database (much of which is not visible through the main website)
- Build customised interfaces
- Add machine learning, machine vision etc., e.g. to automatically annotate the images, automatically identify scribes etc.
- Link the data to other databases ('linked data')
- Build 'widgets' so that others can include your material in their websites.
- Etc...

The GitHub Wiki has more details...

The Web API Syntax

Peter Stokes edited this page 5 days ago · 1 revision

The DigiPal Django model is exposed as a Restful web API. It handles CRUD requests from HTTP and returns JSON responses.

Request

Here is the general form for the requests

```
(HTTP-METHOD) http://.../digipal/api/:content_type[:selector/]?[_:filter=:value1][&@sele
```

- : is used to denote a variable. All variables are described in the section below.
- optional parameters are surrounded by []

Request parameters

HTTP-METHOD

- GET : to retrieve records
 - PUT : to update records
-

Change api transform

Title:

Annotation Thumbnail

A unique title for this XSLT template.

Template:

```
<?xml version="1.0"?>

<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

<xsl:template match="/response">
  <html>
    <body>
      <h1>Records</h1>
      <p>
        <xsl:for-each select="results/item">
          <div>
            <img alt="Thumbnail image for record" />
            <span>Record ID: </span><xsl:value-of select="id" />
          </div>
        </xsl:for-each>
      </p>
    </body>
  </html>
</xsl:template>

```

Value of XSLT template...

Sample request:

annotation/?_graph__Idiograph__allograph__allograph_components__com

A sample API request this transform can be tested on. It is a API request UR

Mimetype:

text/xml

The mime type of the output from the transform.

Show as a webpage?

[This repository](#) [Search](#)[Explore](#) [Gist](#) [Blog](#) [Help](#)

pastokes

[kcl-ddh / digipal](#)[Unwatch](#) 6[Unstar](#) 6[Fork](#) 0

Digital Resource for and Database of Paleography, Manuscripts and Diplomatic

2,137 commits

8 branches

5 releases

5 contributors

branch: **master** [digipal](#) / 

Text editor: search panel. Returns entries.

geoffroy-noel-ddh authored 5 days agolatest commit `dc429074a1`

build	Added missing openssh-server	2 months ago
digipal	Text editor: search panel. Returns entries.	5 days ago
digipal_text	Text editor: search panel. Returns entries.	5 days ago
.gitignore	Moved the backup path inside DigiPal to simplify the installation/con...	7 months ago
README.md	Update README.md	2 months ago
manage.py	Added a manage.py for a self-contained DigiPal project app.	11 months ago
setup.py	Update setup.py	10 months ago

README.md

Code

Issues

14

Pull requests

0

Wiki

Pulse

Graphs

HTTPS clone URL<https://github.com/> You can clone with [HTTPS](#), [SSH](#), or [Subversion](#). **Clone In Desktop** **Download ZIP**

DigiPal

Digital Resource for and Database of Palaeography, Manuscripts and Diplomatic.

The Digital Resource and Database for Palaeography, Manuscript Studies and Diplomatic (DigiPal)

Thanks to...

The teams of Models of Authority, DigiPal,
Exon Domesday and Archetype (see websites)

The European Research Council (ERC),
Arts and Humanities Research Council (UK)
& The Faculty of Arts and Humanities, KCL
for financing DigiPal, Exon, MoA and
Archetype

<http://archetype.ink/>

The research leading to these results has received funding from the European Union Seventh Framework Programme (FP7) under grant agreement n° 263751 and the Arts and Humanities Research Council (UK), grant nos. AH/L008041/1 and AH/L013975/1.



Arts & Humanities
Research Council

