CLAIMS

1. A system, comprising one or more computing devices collectively configured to implement at least an application service configured to:

receive, over a network, a document;

as a consequence of receipt of the document, cause an underlay and overlay to be generated for the document, the underlay being a common format of the document and the overlay being usable to store one or more annotations to the document;

receive a request for access to the document, the request being initiated by a user; and

in response to the request for access to the document, cause the underlay and overlay to be provided to the user.

2. The system of claim 1, wherein:

the document is received for incorporation into a folder of one or more folders of a document directory;

the application service is further configured to cause the document to be associated with at least the folder, the document directory and one or more users having permission to access the document.

3. The system of any preceding claim, wherein the application service is further configured to:

receive a request to upload the document;

send an indication to a synchronization client of a location for document storage; and

receive a message from the synchronization client indicating successful storage of the document at the location.

4. The system of claim 3, wherein:

the application service is further configured to, upon receiving the message, cause a database to indicate that the document is active; and

the document is capable of being utilized to generate the underlay upon becoming active.

5. The system of claim 1 or 2, wherein the one or more computing devices are collectively configured to further implement a computing service configured to generate the underlay by:

retrieving the document from a storage service ;

generating the underlay based at least in part on the retrieved document; and

causing the underlay to be stored in the storage service.

6. The system of claim 1 or 2, wherein the application service is further configured to:

receive a request to incorporate a subsequent version of the document in one or more folders of a document directory; and

render the subsequent version of the document in the common format.

7. The system of claim 1 or 2, wherein:

the request for access to the document is associated with user authorization information; and

the application is further configured to verify the user is granted a permission to access the document.

8. A non-transitory computer-readable storage medium having collectively stored thereon executable instructions that, when executed by one or more processors of a computer system, cause the computer system to at least:

upon receipt of a document for incorporation by a document collaboration and management service, reserve a namespace for the document, the reserving being performed synchronously in relation to the received request;

after the document is stored in a storage system, cause one or more workflows to be launched, the one or more workflows utilizing the document to produce a universal representation underlay and the one or more workflows causing the universal representation underlay to be stored in the storage system;

receive a request to collaborate on the document, the request being initiated by a user with a privilege to collaborate on the document; and

in response to the request, sending an indication of a storage address of the universal representation underlay in the storage system.

9. The non-transitory computer-readable storage medium of claim 8, wherein the instructions that cause the computer system receive the document further include instructions that cause the computer system to:

receive, from a synchronization client, a request to upload the document to the storage system;

send, to the synchronization client, an indication to store the document in the storage system; and

receive, from the synchronization client, an indication that the document is successfully stored in the storage system.

10. The non-transitory computer-readable storage medium of claim 9, wherein:

the request to upload the document is associated with authorization information associated with the user; and

the instructions further comprise instructions that, when executed by the one or more processors, cause verifying that the user is granted a permission to upload the document.

11. The non-transitory computer-readable storage medium of any of claims 8-10, wherein the instructions further comprise instructions that, when executed by the one or more processors, cause the computer system to write to a database an indication that the document is active or capable of being retrieved for generating the universal representation underlay.

12. The non-transitory computer-readable storage medium of any of claims 8-10, wherein the instructions further comprise instructions that, when executed by the one or more processors, cause the computer system to:

receive a request to incorporate a subsequent version of the document in a document directory; and

cause one or more additional workflows to be initiated, the one or more additional workflows, upon successful execution, enabling the subsequent version of the document to be rendered using a second universal representation underlay.

13. The non-transitory computer-readable storage medium of any of claims 8-10, wherein the instructions further comprise instructions that, when executed by the one or more processors, cause the computer system to:

receive authentication information associated with a user; and

causing the user to authenticated based on the authentication information.

14. The non-transitory computer-readable storage medium of any of claims 8-10, wherein the instruction that cause the computer system to reserve a namespace for the document further include instructions that, when executed by the one or more processors, cause the computer system to instruct a database to associate the document with a directory, one or more folders or one or more users.

15. A computer-implemented method for uploading a document to a document management and collaboration system, comprising:

under the control of one or more computer systems configured with executable instructions,

receiving a request to upload the document to the document management and collaboration system;

receiving an indication of successful storage of the document in a storage service;

updating a database to indicate that the document is available for processing;

upon the document becoming available for processing, generating at least one of an extracted text or an underlay associated with document;

causing the extracted text to become usable for identifying the document and servicing a request to search for the document based at least in part on the extracted text;

servicing a request to access the underlay.