

Claims

What is claimed is:

1. A computer-implemented system for digitizing attachment data, comprising:
 - one or more memory devices storing instructions; and
 - one or more processors configured to execute the instructions to perform operations comprising:
 - receiving, from a user device, a request for inserting an attachment to a first document, the attachment comprises at least one definable attribute;
 - preparing an interface comprising one or more inputs for defining the attribute, the attribute comprises an attribute name and a data format;
 - responding to the received request by presenting the interface within a web browser in the user device;
 - receiving the definable attribute from the interface;
 - preparing a data structure comprising a definable input corresponding to the received definable attribute;
 - responding to the received attribute by transmitting the data structure to the user device;
 - receiving the data structure from the user device;
 - digitizing the defined input based on the data format associated with the attribute;
 - generating an attachment including the digitized input;
 - and
 - generating an electronic document by inserting the generated attachment to the first document.

2. The computer-implemented system of claim 1, wherein the attribute further comprises at least one of display name or default data value.
3. The computer-implemented system of claim 2, wherein the default data value is digitized as the defined input when the received data structure does not define the attribute.
4. The computer-implemented system of claim 1, wherein the attribute is at least one of product name, Stock Keeping Unit ID, Stock Keeping Unit name, vendor item ID, or vendor item name.
5. The computer-implemented system of claim 1, wherein the operations further comprise storing the generated electronic document and transmitting the generated electronic document to the user device.
6. The computer-implemented system of claim 1, wherein the prepared interface comprises a selectable element for adding new attributes and a selectable element for deleting the attribute.
7. The computer-implemented system of claim 1, wherein the data structure is an array, a hash, a linked list, a text file, or a table.
8. The computer-implemented system of claim 1, wherein the operations further comprise determining whether the defined input matches the data format before digitizing the defined input.
9. The computer-implemented system of claim 1, wherein the user device is a computer or mobile device.
10. The computer-implemented system of claim 1, wherein the data format comprises string, integer, floating-point, and character.
11. A method for digitizing attachment data, comprising:

receiving, from a user device, a request for inserting an attachment to a first document, the attachment comprises at least one definable attribute;

preparing an interface comprising one or more inputs for defining the attribute, the attribute comprises an attribute name and a data format;

responding to the received request by presenting the interface within a web browser in the user device;

receiving the defined attribute from the interface;

preparing a data structure comprising a definable input corresponding to the received attribute;

responding to the received attribute by transmitting the data structure to the user device;

receiving the data structure from the user device;

digitizing the defined input based on the data format associated with the attribute;

generating an attachment including the digitized input; and

generating an electronic document by inserting the generated attachment to the first document.

12. The method of claim 11, wherein the attribute further comprises at least one of display name or default data value.
13. The method of claim 12, wherein the default data value is digitized as the defined input when the received data structure does not define the attribute.
14. The method of claim 11, wherein the operations further comprise storing the generated electronic document and transmitting the generated electronic document to the user device.
15. The method of claim 11, wherein the prepared interface comprises a selectable element for adding new attributes and a selectable element for deleting the attribute.

16. The method of claim 11, wherein the data structure is array, hash, linked list, structured text file, or table.
17. The method of claim 11, wherein the operations further comprise determining whether the defined input matches the data format before digitizing the defined input.
18. The method of claim 11, wherein the user device is a computer or mobile device.
19. The method of claim 11, wherein the data format comprises string, integer, floating-point, and character.
20. A computer-implemented system for digitizing attachment data, comprising:
 - a database;
 - one or more memory devices storing instructions; and
 - one or more processors configured to execute the instructions to perform operations comprising:
 - receiving, from a first user device, a request for inserting an attachment to a first document, the attachment comprises at least one definable attribute;
 - preparing an interface comprising one or more inputs for defining the attribute, the attribute comprises an attribute name and a data format;
 - responding to the received request by presenting the interface within a web browser in the user device;
 - receiving the defined attribute from the interface;
 - preparing a data structure comprising a definable input corresponding to the received attribute;

responding to the received attribute by transmitting the
data structure to the first user device;
receiving the data structure from the first user device;
digitizing the defined input based on the data format
associated with the attribute;
generating an attachment including the digitized input;
generating an electronic document by inserting the
generated attachment to the first document;
storing the attachment in the database;
receiving, from a second user device, a request for
accessing the stored attachment;
retrieving the stored attachment from the database; and
transmitting the retrieved attachment to the second user
device.