US 20210081086A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2021/0081086 A1

Constantin et al. (43) Pub. Date: Mar. 18, 2021

(54) CUSTOM PREVIEW INTERFACE FOR SEARCH RESULTS

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(21) Appl. No.: **16/776,394**

(22) Filed: **Jan. 29, 2020**

Related U.S. Application Data

(60) Provisional application No. 62/902,079, filed on Sep. 18, 2019.

Publication Classification

(51) **Int. Cl.**

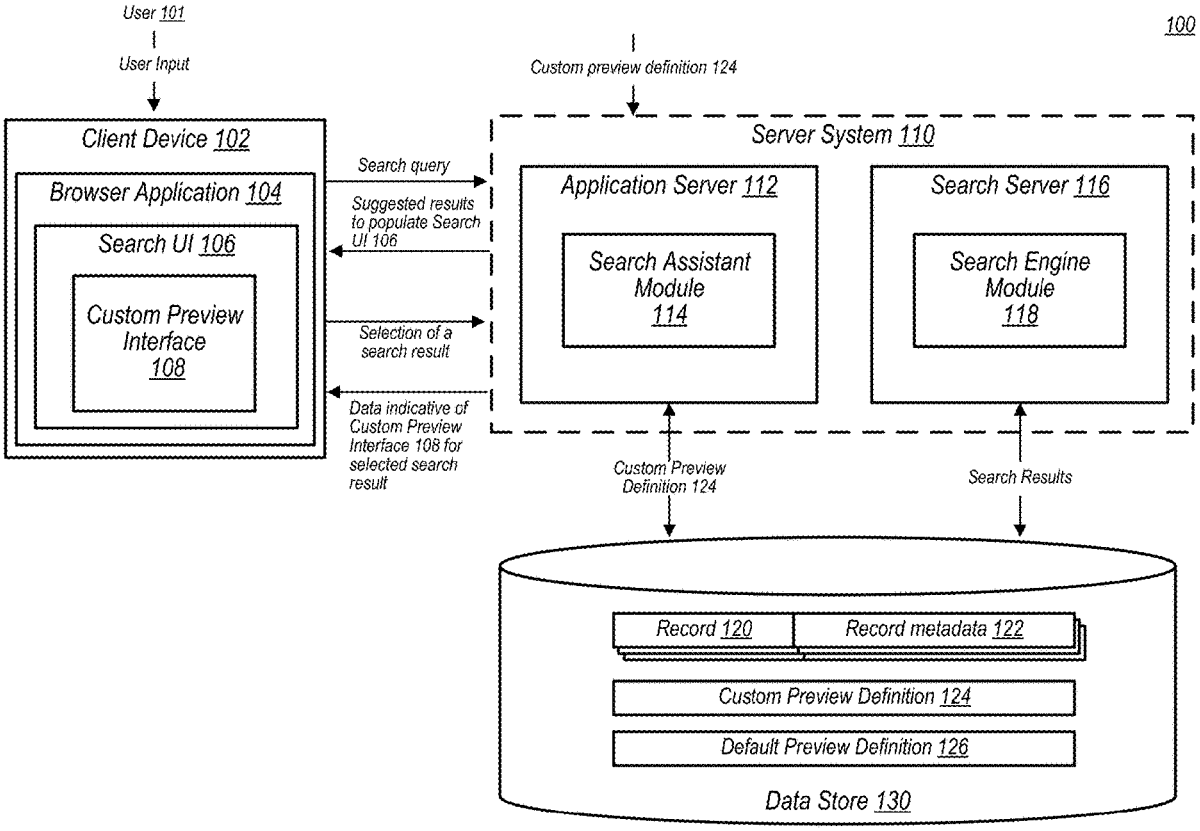
G06F 3/0484	(2013.01)
G06F 3/0482	(2013.01)
G06F 16/248	(2019.01)
G06F 16/25	(2019.01)

(52) **U.S. Cl.**

CPC ***G06F 3/0484*** (2013.01); ***G06F 16/252*** (2019.01); ***G06F 16/248*** (2019.01); ***G06F 3/0482*** (2013.01)

(57) **ABSTRACT**

Techniques are disclosed relating to generating custom previews for search results provided by a search service. For example, in various embodiments, a server system that provides a search service may receive a custom preview definition from a user associated with a first group of users. The custom preview definition may specify code that is usable to generate a custom preview interface for search results of a particular record type. The server system may use the custom preview definition to generate a custom preview interface for search results provided to users of the first group. For example, the server system may receive user input identifying a first search result provided by the search service. The server system may then determine that the record type of the first search result matches the particular record type and retrieve the specified code to facilitate display of the custom preview interface at the client device.



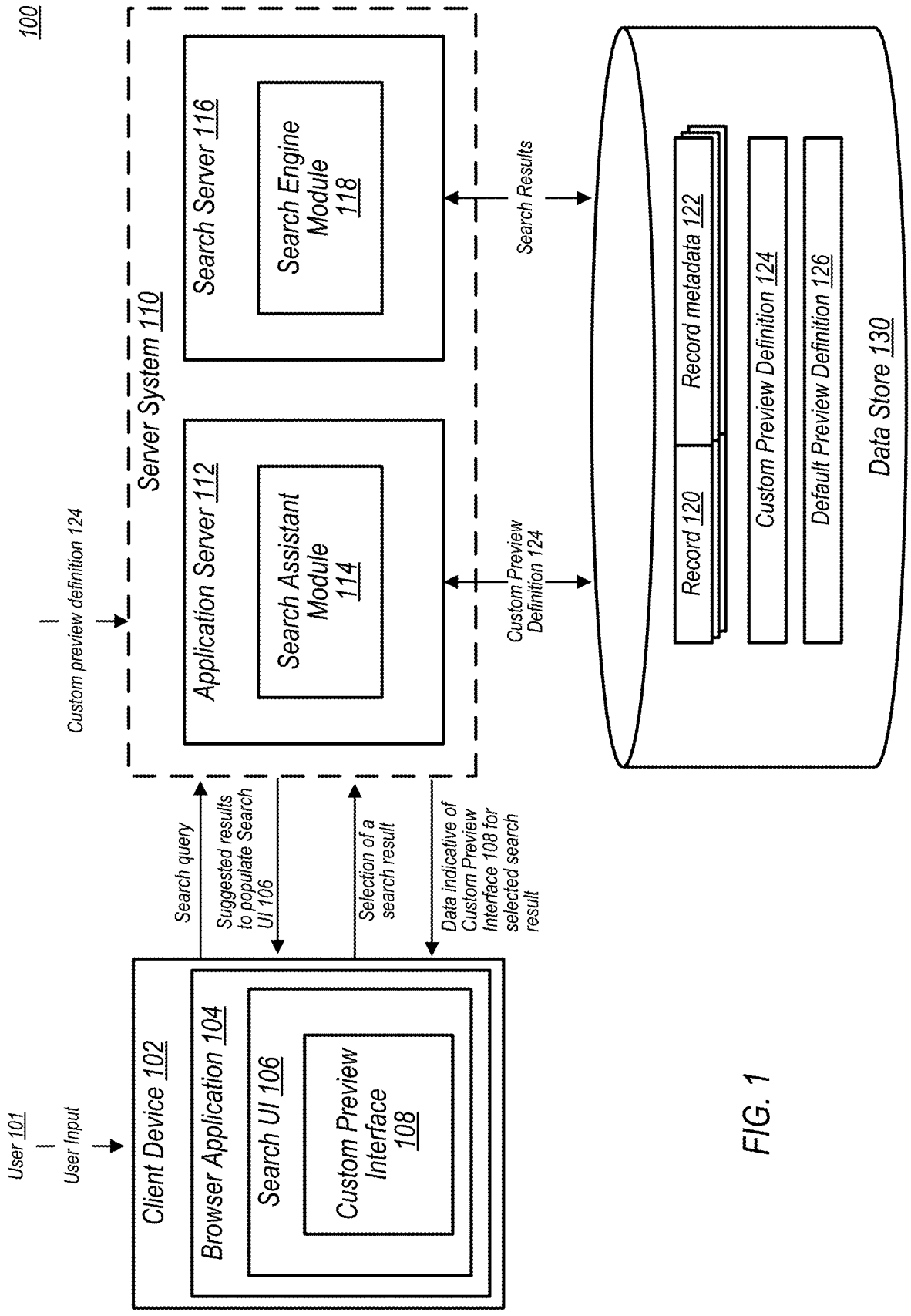

100
User 101
User Input
Client Device 102
Browser Application 104
Search UI 106
Custom Preview Interface 108
Search query
Suggested results to populate Search UI 106
Selection of a search result
Data indicative of Custom Preview Interface 108 for selected search result
Custom preview definition 124
Server System 110
Application Server 112
Search Assistant Module 114
Search Server 116
Search Engine Module 118
Custom Preview Definition 124
Search Results
Data Store 130
Record 120
Record metadata 122
Custom Preview Definition 124
Default Preview Definition 126

FIG. 1

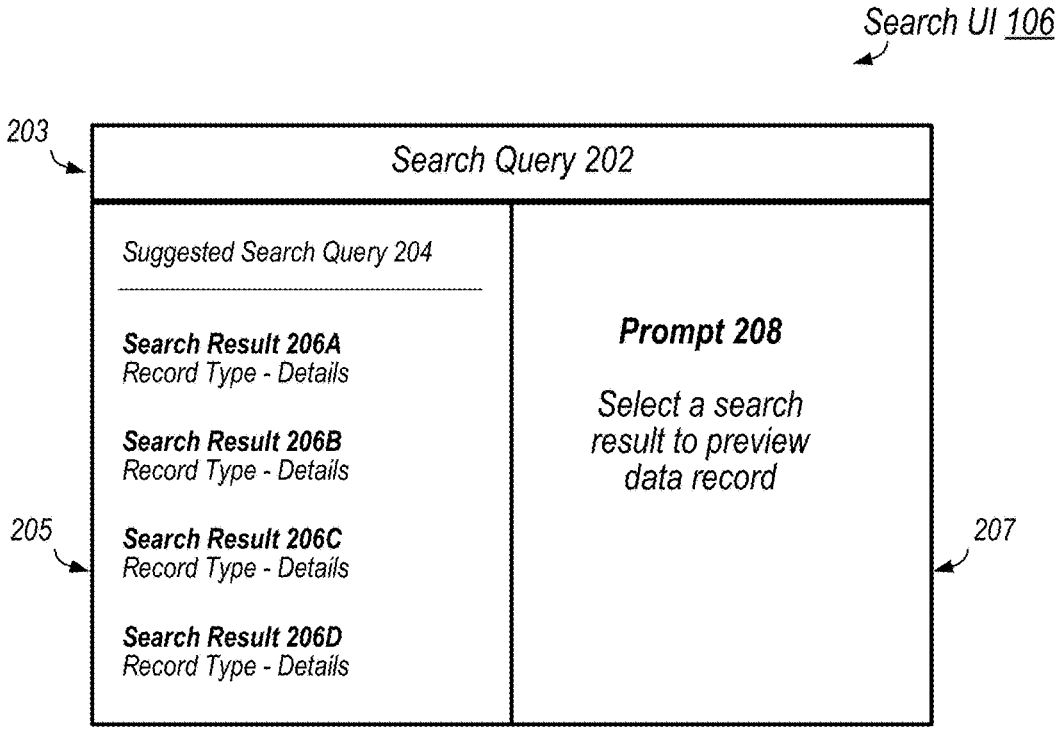

Search UI 106
203
Search Query 202
Suggested Search Query 204
Search Result 206A
Record Type - Details
Search Result 206B
Record Type - Details
Search Result 206C
Record Type - Details
Search Result 206D
Record Type - Details
205
Prompt 208
Select a search result to preview data record
207

FIG. 2A

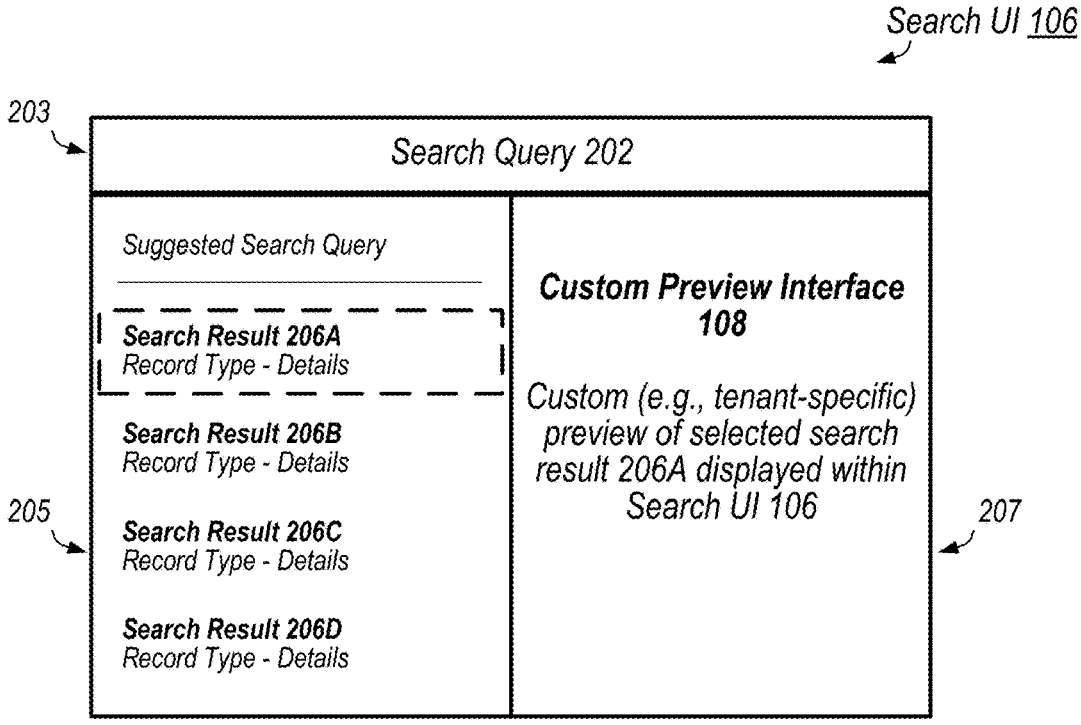

Search UI 106
203
Search Query 202
Suggested Search Query
Search Result 206A
Record Type - Details
Search Result 206B
Record Type - Details
Search Result 206C
Record Type - Details
Search Result 206D
Record Type - Details
205
Custom Preview Interface 108
Custom (e.g., tenant-specific) preview of selected search result 206A displayed within Search UI 106
207

FIG. 2B

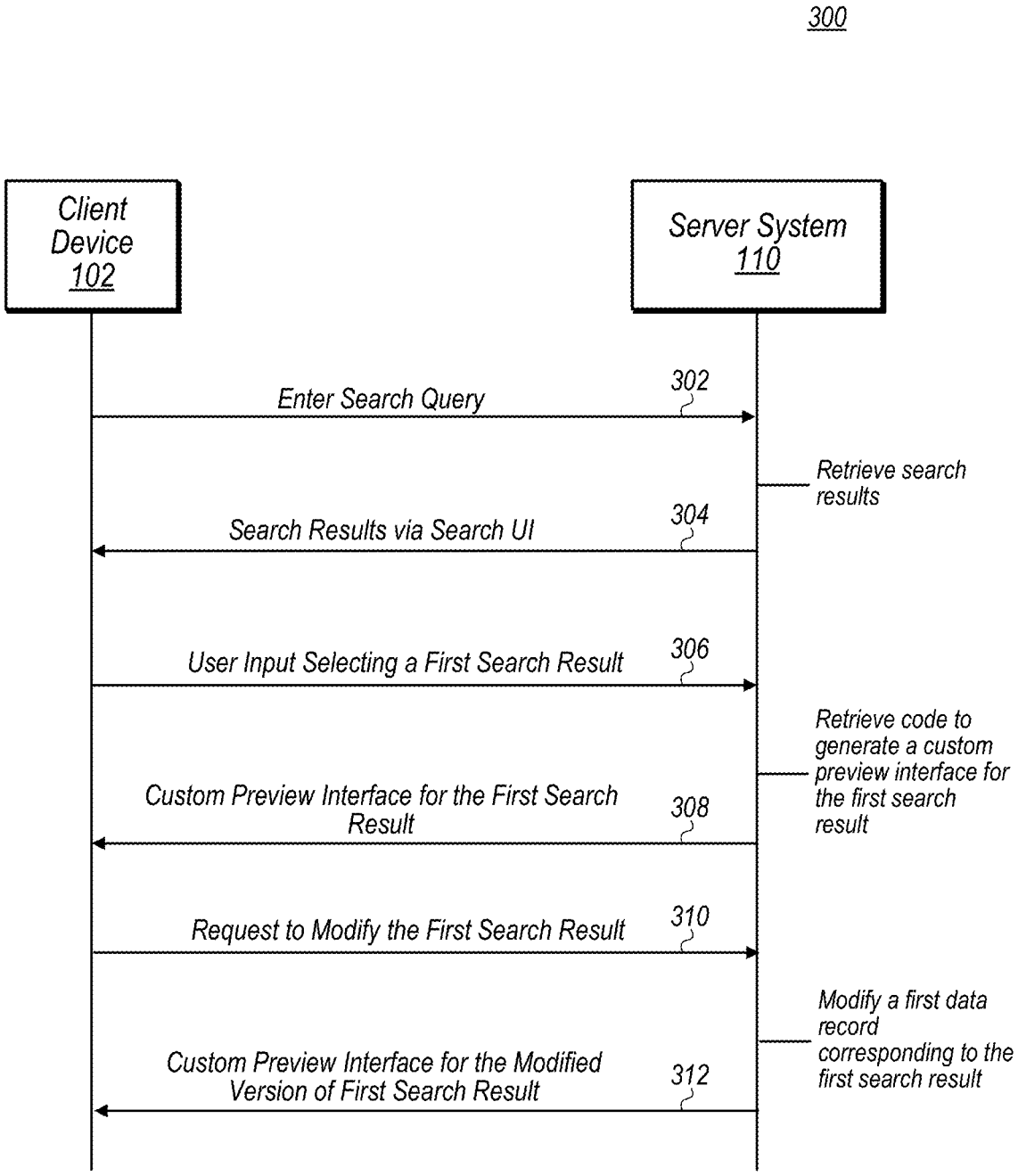

300
Client Device 102
Server System 110
Enter Search Query
302
Retrieve search results
Search Results via Search UI
304
User Input Selecting a First Search Result
306
Retrieve code to generate a custom preview interface for the first search result
Custom Preview Interface for the First Search Result
308
Request to Modify the First Search Result
310
Modify a first data record corresponding to the first search result
Custom Preview Interface for the Modified Version of First Search Result
312

FIG. 3

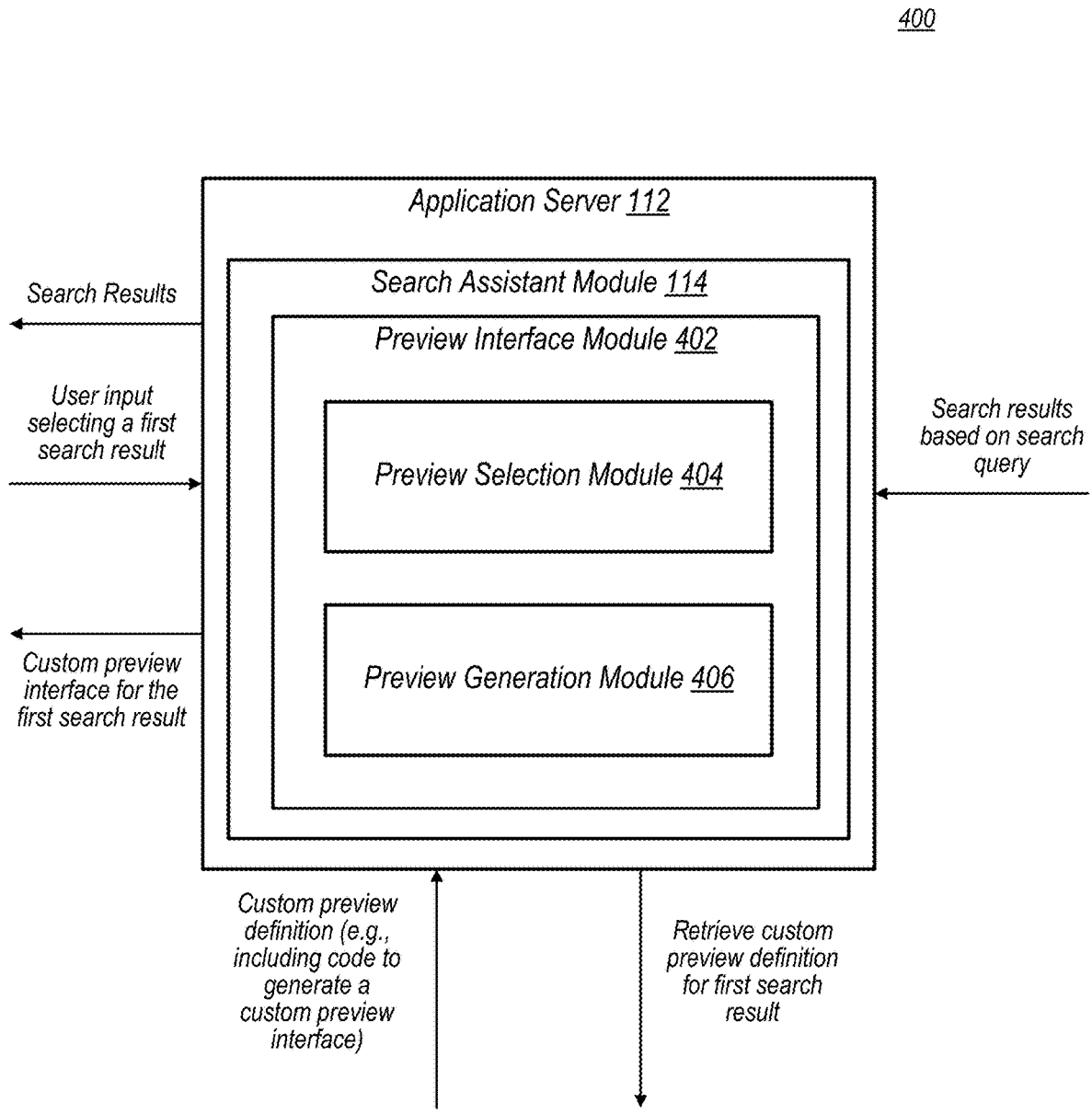

400
Application Server 112
Search Assistant Module 114
Preview Interface Module 402
Preview Selection Module 404
Preview Generation Module 406
Search Results
User input selecting a first search result
Custom preview interface for the first search result
Search results based on search query
Custom preview definition (e.g., including code to generate a custom preview interface)
Retrieve custom preview definition for first search result

FIG. 4

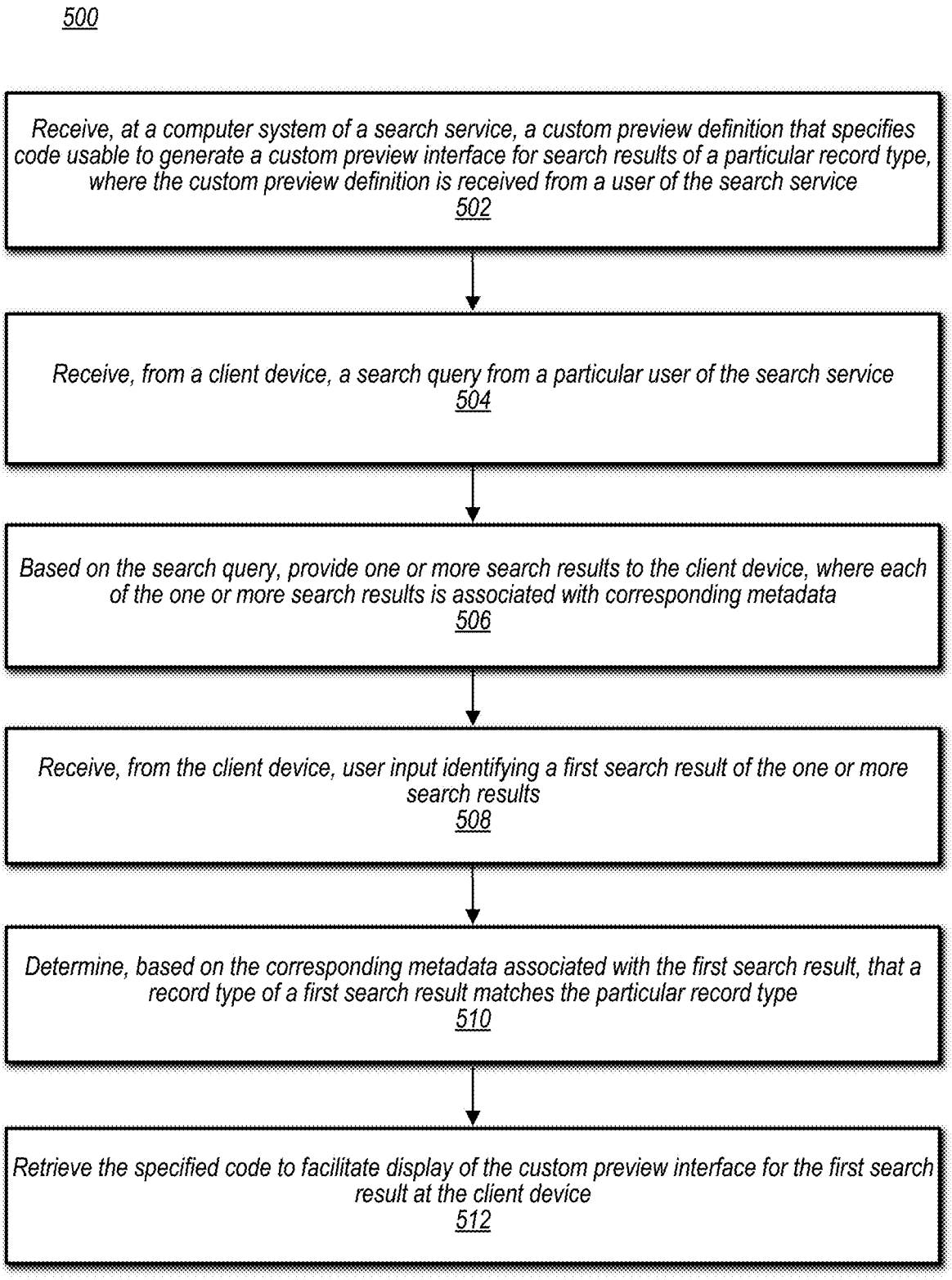

500
Receive, at a computer system of a search service, a custom preview definition that specifies code usable to generate a custom preview interface for search results of a particular record type, where the custom preview definition is received from a user of the search service
502
Receive, from a client device, a search query from a particular user of the search service
504
Based on the search query, provide one or more search results to the client device, where each of the one or more search results is associated with corresponding metadata
506
Receive, from the client device, user input identifying a first search result of the one or more search results
508
Determine, based on the corresponding metadata associated with the first search result, that a record type of a first search result matches the particular record type
510
Retrieve the specified code to facilitate display of the custom preview interface for the first search result at the client device
512

FIG. 5

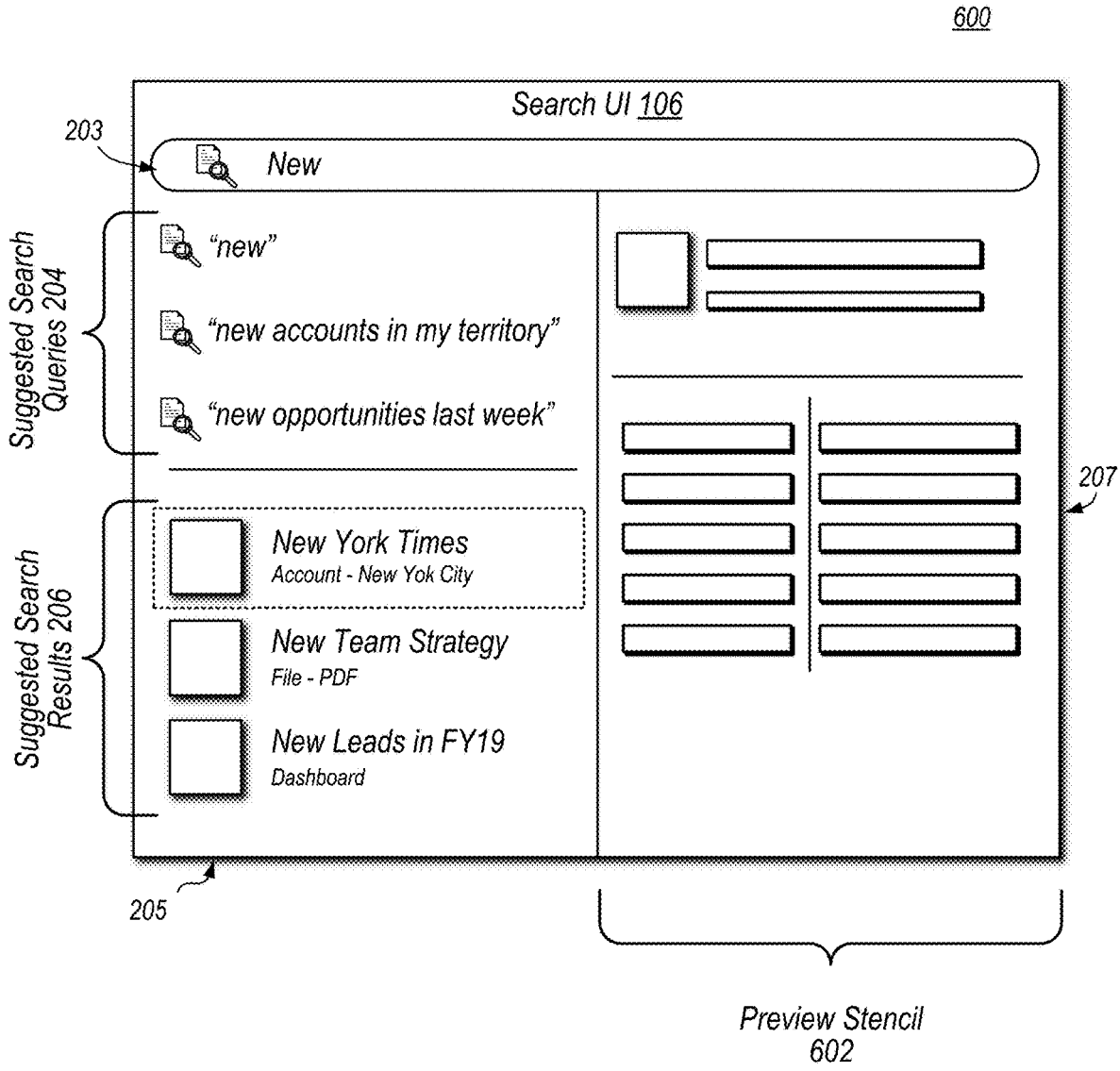

600
Search UI 106
203
New
"new"
"new accounts in my territory"
"new opportunities last week"
Suggested Search Queries 204
New York Times
Account - New Yok City
New Team Strategy
File - PDF
New Leads in FY19
Dashboard
Suggested Search Results 206
207
205
Preview Stencil 602

FIG. 6A

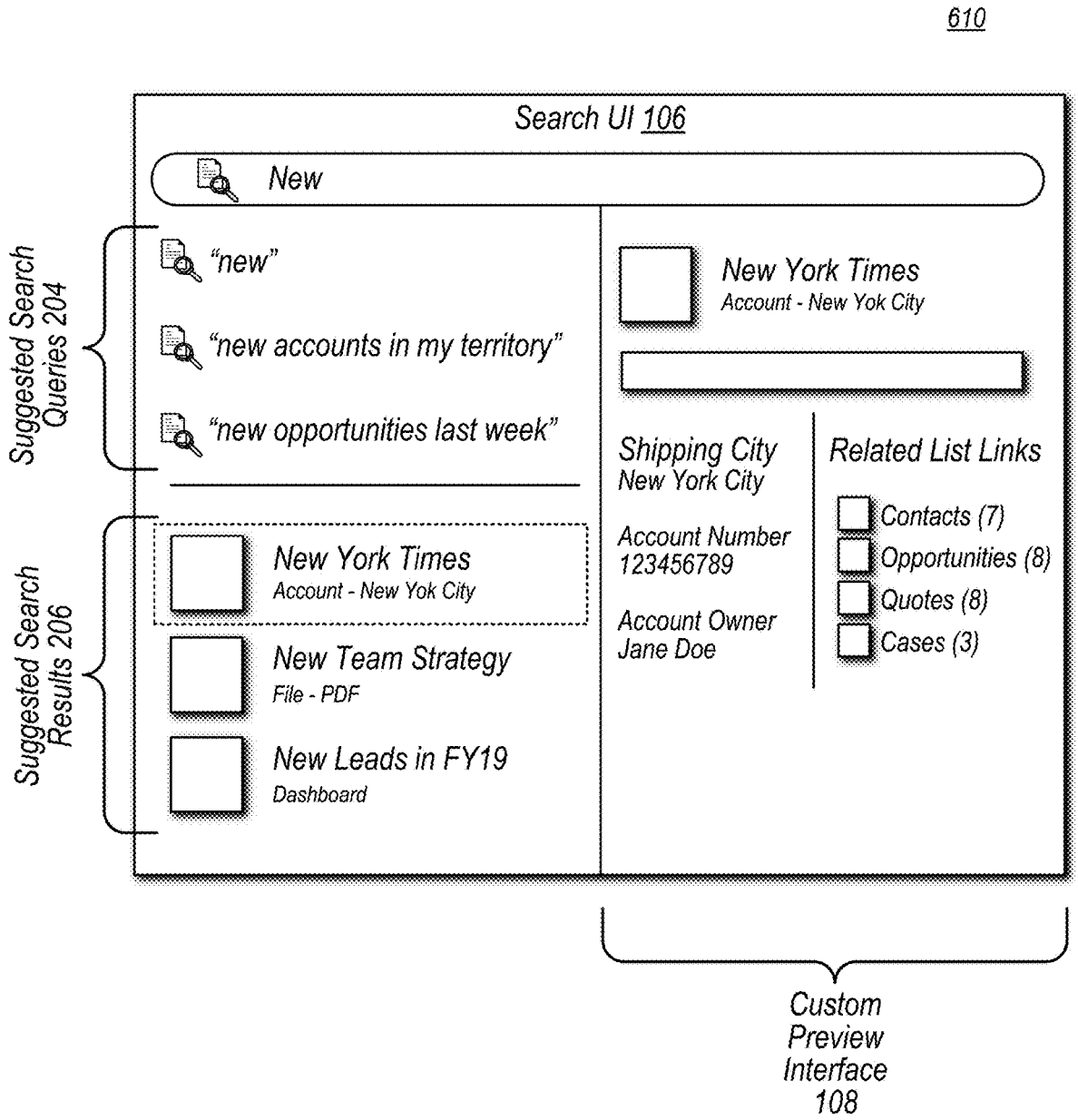

610
Search UI 106
New
Suggested Search Queries 204
"new"
"new accounts in my territory"
"new opportunities last week"
Suggested Search Results 206
New York Times
Account - New Yok City
New Team Strategy
File - PDF
New Leads in FY19
Dashboard
New York Times
Account - New Yok City
Shipping City
New York City
Account Number
123456789
Account Owner
Jane Doe
Related List Links
Contacts (7)
Opportunities (8)
Quotes (8)
Cases (3)
Custom Preview Interface 108

FIG. 6B

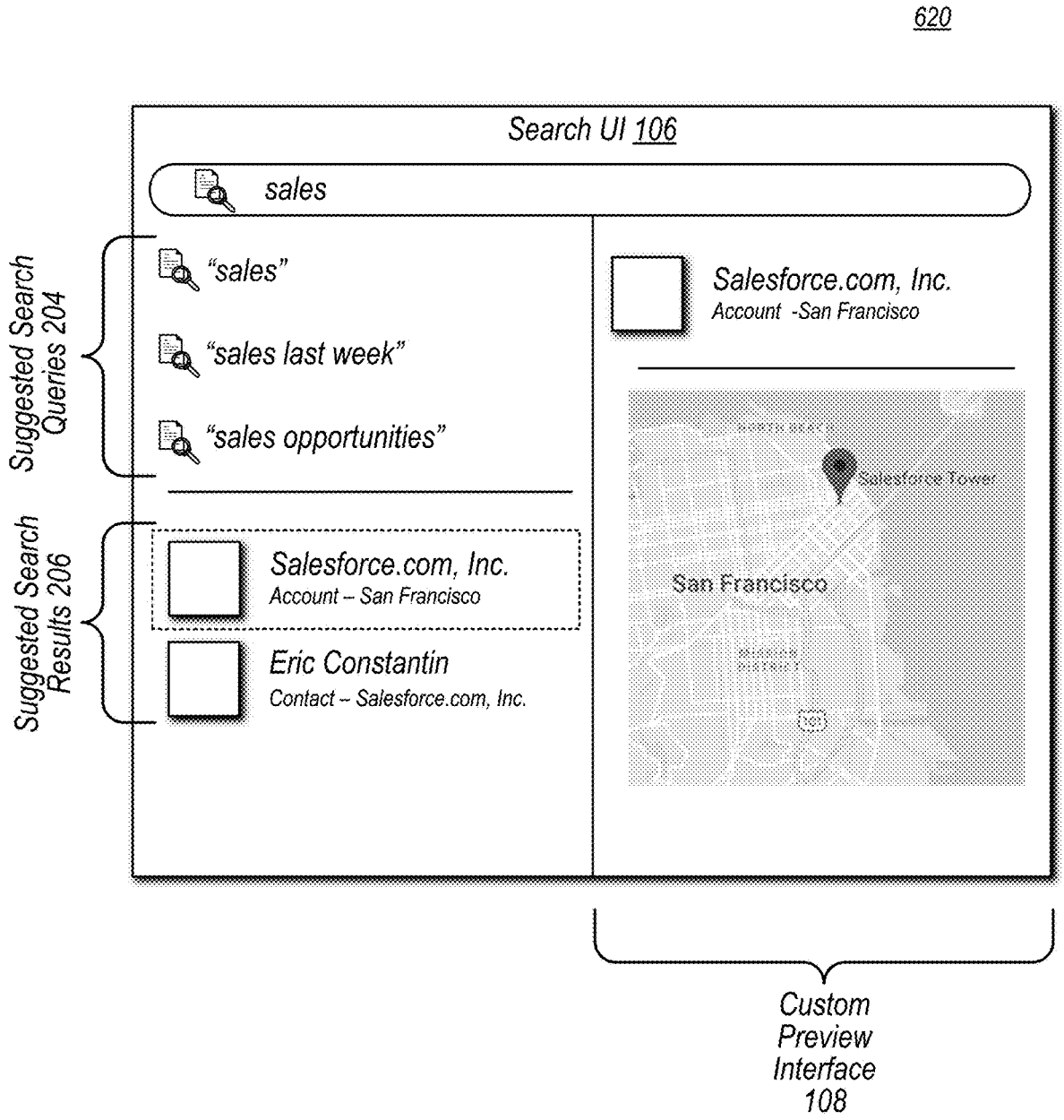

620
Search UI 106
sales
Suggested Search Queries 204
"sales"
"sales last week"
"sales opportunities"
Suggested Search Results 206
Salesforce.com, Inc.
Account – San Francisco
Eric Constantin
Contact – Salesforce.com, Inc.
Salesforce.com, Inc.
Account -San Francisco
Salesforce Tower
San Francisco
Custom Preview Interface 108

FIG. 6C

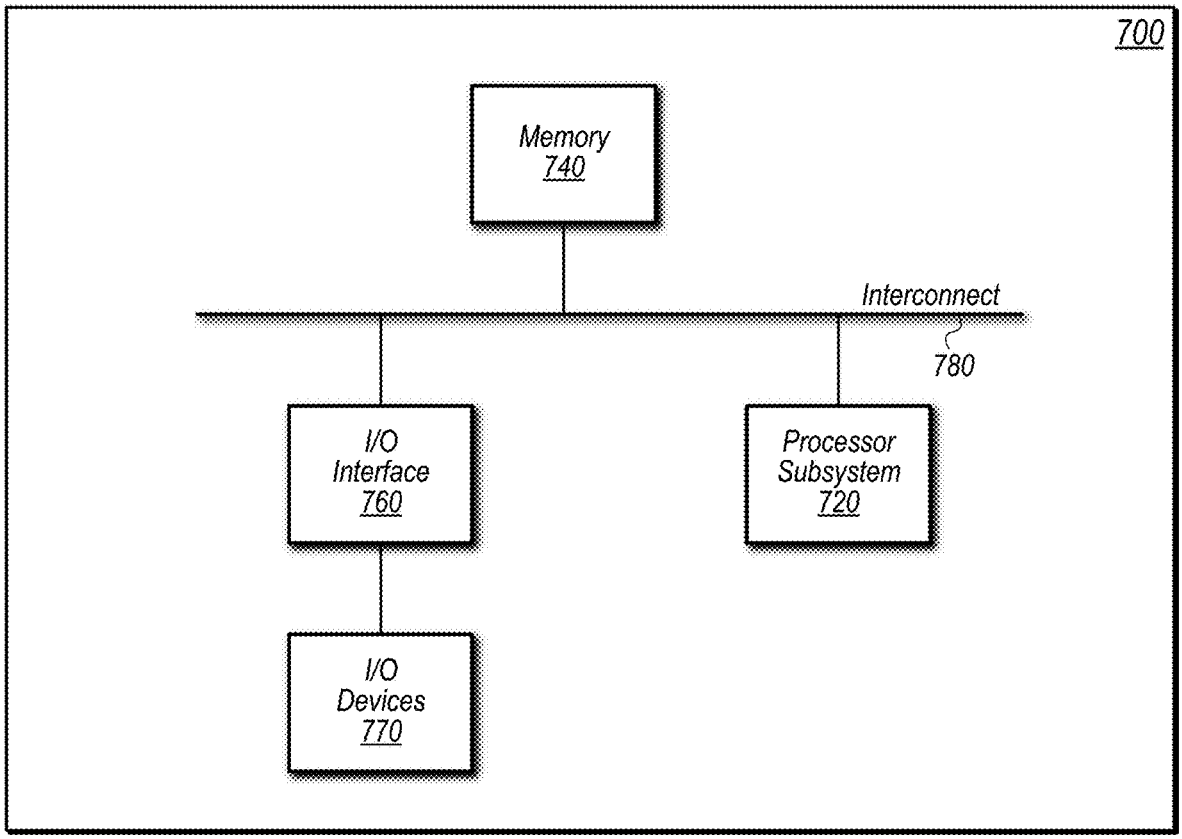

700
Memory
740
Interconnect
780
I/O
Interface
760
Processor
Subsystem
720
I/O
Devices
770

FIG. 7

CUSTOM PREVIEW INTERFACE FOR SEARCH RESULTS

[0001] This application claims the benefit of U.S. Provisional Application No. 62/902,079, filed on Sep. 18, 2019, which is hereby incorporated by reference as if entirely set forth herein.

BACKGROUND

Technical Field

[0002] This disclosure relates generally to search services, and more particularly to providing custom preview interfaces for search results provided by a search service.

Description of the Related Art

[0003] Server systems, which may include application servers, search servers, data storage systems, etc., may provide various services to users. For example, a server system may provide a search service either alone or attendant to other services. Such search services will commonly retrieve search results based on a search query provided by a user. These search results may then be provided to the user, for example, in a list sorted by relevance. In some instances, however, providing search results in such a manner may present various shortcomings. For example, for search results with similar attributes, it may be difficult for the user to discern which of the search results provided by the search service is the search result of interest, requiring the user to manually inspect multiple returned search results. Thus, in various instances, it may be desirable to implement a search service that allows a user to identify the desired search results in a more efficient manner.

BRIEF DESCRIPTION OF THE DRAWINGS

[0004] FIG. **1** is a block diagram illustrating a system in which custom preview interfaces for search results may be provided to users of a search service, according to some embodiments.

[0005] FIGS. **2**A-**2**B depict example views of a search user interface that may be used to present search results to a user of a search service, according to some embodiments.

[0006] FIG. **3** is a communication diagram illustrating an exchange between a client device and a server system that provides a search service, according to some embodiments.

[0007] FIG. **4** is a block diagram illustrating an example embodiment of an application server, according to some embodiments.

[0008] FIG. **5** is a flow diagram illustrating an example method for providing a custom preview interface for a selected search result, according to some embodiments.

[0009] FIGS. **6**A-**6**C depict example views of a search user interface used to provide a custom preview interface for a selected search result, according to some embodiments.

[0010] FIG. **7** is a block diagram illustrating an example computer system, according to some embodiments.

DETAILED DESCRIPTION

[0011] Referring now to FIG. **1**, a block diagram depicts an example system **100** in which custom preview interfaces for search results may be provided to a user of a search service, according to some embodiments. In the embodiment of FIG. **1**, system **100** includes client device **102**, server system **110**, and data store **130**. In various embodiments, server system **110** provides a search service to various remote users via one or more communication networks (not shown, for clarity). This search service may be provided by server system **110** either in isolation or in addition to other web services (e.g., customer relationship management ("CRM") services, messaging services, data storage services, etc.) provided by the server system **110**.

[0012] In FIG. **1**, server system **110** includes application server **112** and search server **116**. In various embodiments, server system **110** is operable to receive search requests from client devices, retrieve appropriate search results from data store **130**, and provide one more search results to the requesting client devices. In FIG. **1**, client device **102** is shown executing a browser application **104**, which user **101** may use to access one or more web services, such as the search service, provided by server system **110**. Client device **102** may be any of various types of computing devices, such as a desktop computer, laptop computer, tablet computer, smartphone, etc. Browser application **104** may be any of various suitable web browsing application (including mobile web browsing applications), such as Mozilla™ Firefox, Google™ Chrome, etc. In the depicted embodiment, user **101** uses browser application **104** to navigate to a web page provided by the server system **110** and submits a search query via a search user interface ("UI") **106** provided on that web page. For example, the user **101** may input a search string to be used by the server system **110** to retrieve appropriate search results. (Note that, in various embodiments, user **101** may access one or more web services provided by server system **110** using software applications executing on the client device **102** other than (or in addition to) the browser application **104**.)

[0013] In various embodiments, server system **110** is operable to provide suggested search results that may be used to populate a search UI **106**. For example, as server system **110** receives the search query from the client device **102**, search server **116** may use the search engine module **118** to proactively retrieve suggested search results from data store **130** as the user enters the search query into the search UI **106**. In various embodiments, search server **116** may be implemented as an Apache™ Solr server and the search engine module **118** may be implemented using the Apache™ Lucene search engine library. Note, however, that these embodiments are provided merely as examples and are not intended to limit the scope of the present disclosure. In other embodiments, various other suitable search engine technologies may be used, such as Elasticsearch™, Sphinx™, etc. Once retrieved from the data store **130**, these suggested search results may be sent to the client device **102** to be presented to the user **101** via the search UI **106**, as described in more detail below with reference to FIGS. **2**A-**2**B.

[0014] As shown in FIG. **1**, application server **112** includes search assistant module **114**. In various embodiments, search assistant module **114** is operable to provide various services to improve the functioning and usability of the search service provided by the server system **110**. In the context of the present disclosure, search assistant module **114** is operable to provide a custom preview interface **108** that allows user **101** to inspect or interact with a given search result, of the various search results provided in response to the search query, within the search UI **106**. This custom preview interface **108** may provide various improvements to

the functioning of the search service hosted by the server system **110**. For example, as noted above, prior search services may provide search results in a manner that does not allow the user to meaningfully preview or interact with a given search result without first opening the search result for manual inspection. For example, in such a prior system, the user may submit a search query to find a specific file. In response, such a search service may simply return a list of relevant search results with little or no additional information about the content or attributes of the results. In such prior systems, the user would be required to manually inspect one or more of the search results in a "guess-and-check" manner until he or she found the desired file. This technical shortcoming of such prior systems presents various practical problems for the user. For example, in instances in which there are a number of search results with similar names, it may be burdensome for the user to find the desired search result, resulting in significant waste in time and productivity.

[0015] Further, although some prior search services may provide search results with a limited, system-provided preview for some select types of search results, these systems similarly present various technical shortcomings. For example, consider an Internet search engine that, whenever a location is entered as a search query, the search engine provides a limited, system-provided preview in its search interface that displays the current weather conditions in that location. If a user were to enter the search query "San Francisco" into such a search service, for example, the search service may populate its search interface with a suggested search results specifying the current weather conditions in San Francisco. Such system-provided previews still present various problems for the user, however. For example, since such system-provided previews are specified by the search service itself (e.g., Google™, Bing™, etc.), the preview presented to the user is necessarily not tailored for that user. Instead, all users of such a search service may be presented with a similar preview when they enter a similar search query.

[0016] In many instances, it may be desirable to provide, for the search results, previews that are specific to the requesting user or a group with which the user is associated. For example, in some embodiments, server system **110** may provide computing resources, such as maintaining data and hosting web services, for groups of users that belong to a common organization. For example, data store **130** may store various data records **120** associated with different organizations and users of the server system **110**. Each data record **120** stored by the data store **130** may be associated with corresponding record metadata **122**, according to some embodiments. As a non-limiting example, in some embodiments, record metadata **122** for a given data record **120** may include one or more of the following data fields: a record identifier field, a record type field, a record name field, an organization identifier field, one or more custom fields, etc. Note, however, that these fields are listed merely as examples and are not intended to limit the scope of the present disclosure. In other embodiments, record metadata **122** may include any other suitable combination of data fields. Further, note that, in some embodiments, server system **110** is a multi-tenant computer system that provides computing resources for a plurality of tenants. As used herein, the term "multi-tenant computer system" refers to a system in which various elements of hardware and software are shared by one or more tenants, each of which may include any suitable number of users. In various embodiments, data for different tenants may be securely stored such that other tenants cannot access the data, absent permission. For example, in some such embodiments, data store **130** is a multi-tenant database that securely stores data for various tenants of the multi-tenant server system **110**. (Note that, although shown separately in FIG. **1**, data store **130** may be considered part of the server system **110** in some embodiments.)

[0017] In various embodiments, a given organization (e.g., a tenant) may specify one or more custom preview interfaces **108** to be used when the search service provides search results to a requesting user that belongs to that organization. As one non-limiting example, a first organization may maintain data corresponding to products or services provided by that organization. In this example, the first organization may wish to provide its users with a customized preview of data records for these products or services when they are returned as search results by the search service. In the prior search services described above in which only limited, system-level previews are presented to the user, there is no way for the first organization to achieve this goal, resulting in wasted time and effort on the part of the user as he or she attempts to identify the desired search result.

[0018] Various embodiments of the present disclosure, however, provide a technical solution to the technical shortcomings of prior systems by allowing an organization to tailor the way in which previews for selected search results are presented for its users. For example, various disclosed embodiments allow for organizations (e.g., tenants) that use the server system **110** to specify custom preview definitions **124** that may be used to generate custom, organization-specific preview interfaces **108** for search results as they are presented to users associated with that organization. For instance, an organization may specify a custom preview interface **108** that includes custom quick-links, displayed lists, or action items that the organization deems useful for a particular record or a particular record type. As described in more detail below, these custom preview interfaces **108** may include a much richer set of information about the selected search result (relative to no preview or a default preview of the search result) that allows the requesting user to quickly identify and interact with a given search result presented via the custom preview interface **108**. This, in turn, may improve the speed and effectiveness with which a user uses the search service, thereby improving the user experience and the search service as a whole.

[0019] In various embodiments, an organization is able to replace a predefined, default preview definition **126** for a particular record type with a custom preview definition **124** specified by the organization. For example, as shown in FIG. **1**, a user may provide a custom preview definition **124** that may be used to generate a custom preview interface **108** for search results of a particular record type. In various embodiments, data store **130** may be used to maintain custom preview definition **124** from some or all of the groups that use server system **110**. Further, in various embodiments, each of these groups may provide custom preview definition **124** for one or more record types, as desired. For instance, continuing with the example above, a user (e.g., an administrator) associated with a first organization may provide a custom preview definition **124** that includes code usable to generate a custom preview interface **108** when search results

of a specific record type are returned to a user that belongs to the first organization. In various embodiments, this code may be provided in any of various suitable programming, scripting, or markup languages, such as Java, Apex, C++, JavaScript, Python, HTML, CSS, etc., or any suitable format, including a data-interchange format such as JSON. Further note that, in various embodiments, search assistant module **114** may assist an organization in specifying a custom preview definition **124** using an interface (e.g., a software assistant) in which the organization may add components (e.g., task lists, charts, calendars, etc.) to a custom preview interface **108** without having to define those components at the source code level. Additionally, in various embodiments, an organization may include, within a custom preview definition **124**, components or applications provided by a third-party. For example, an organization may integrate a third-party application (e.g., a data visualization application) or a third-party web service (e.g., Google Maps) into a custom preview interface **108** for particular record type. In some embodiments, such a third-party application may be obtained from an application store associated with (e.g., hosted by) the server system **110**.

[0020] As described in more detail below with reference to FIGS. **2**A-**2**B and FIGS. **6**A-**6**C, the nature of, and components included in, the custom preview interfaces **108** may vary depending on the record type for which the custom preview definition **124** is provided. Further, note that the user may provide custom preview definition **124** for multiple different record types for which the search service may return search results. For example, in some embodiments, a first organization may maintain data records of a "products" record type corresponding to products provided by the organization and data records of a "contacts" record type corresponding to contacts associated with the organization. In such an embodiment, a user associated with the first organization (e.g., an administrator) may specify a different custom preview interface **108** for these two different record types. When a user associated with the first organization then performs a search with the search service, search results belonging to these record types may be presented using the appropriate custom preview interface **108** that is specific to the first organization. For example, the organization may create a custom preview definition **124** that includes code for an Apex component based on the organization's product book to present a custom preview interface **108** for product data records, allowing the organization's users to take custom actions with respect to search results for product records provided in the search UI **106**.

[0021] As shown in FIG. **1**, once the server system **110** has provided suggested search results to populate the search UI **106**, the user **101** may select a particular search result for which to view a preview. In response to this user input, the server system **110** may determine whether the selected search result is associated with a custom preview definition **124**, as explained in more detail below with reference to FIG. **4**. If not, the server system **110** may either provide no preview for the selected search result or may provide a default preview for the search result. For example, as shown in FIG. **1**, data store **130** may include one or more default preview definitions **126** that may be used to generate a default preview interface for a search result in the event that the organization with which the requesting user is associated has not provided a custom preview definition **124** for the record type of the selected search result. If, however, the selected search result is associated with a custom preview definition **124**, the server system **110** may retrieve the appropriate custom preview definition **124** from the data store **130**. In various embodiments, the search assistant module **114** may use the definition **124** to generate data indicative of the custom preview interface **108** for the selected search result, which may be sent to the client device **102** for display within the search UI **106**.

[0022] Note that, in various embodiments, the disclosed systems and methods may be used to provide a custom preview interface for a selected search result based on any of various characteristics of the search result. For example, as noted above and described in more detail below, an organization may specify a custom preview interface **108** for a particular record type by providing a custom preview definition **124** that may be used to generate a custom preview interface **108** for search results of the particular record type. In some embodiments, an organization may specify a custom preview interface **108** for a particular record (that is, on a per-record basis) by providing a custom preview definition **124** that may be used to generate a custom preview interface **108** when the particular record is provided as a search result (via the search UI **106**) and selected by a user **101**. Further, in some embodiments, an organization may define a custom preview interface **108** for a particular record based on metadata or context information about user-interaction patterns with the particular record. Additionally, in some embodiments, an organization may define a custom preview interface **108** based on metadata or context information about information derived from the search query provided by the user.

[0023] FIGS. **2**A-**2**B depict two example views of a search UI **106** that may be used to present search results to a user **101** of a search service provided by server system **110**, according to some embodiments. In the depicted embodiment, FIG. **2**A depicts a search UI **106** as it may be presented as the user **101** enters a search query **202**, according to some embodiments. As shown in FIG. **2**A, search UI **106** may include a number of components used to convey information to the user **101**. For example, in FIG. **2**A, search UI **106** includes a search bar **203** in which the user may provide a search query **202**. Additionally, in the depicted embodiment, search UI **106** includes panels **205** and **207** that may be used to present suggested search results, suggested search results, custom preview interfaces **108**, or various other components. In the depicted embodiment, as the user **101** enters the search query **202**, the server system **110** may retrieve and provide suggested search queries **204** and suggested search results **206** in panel **205**. For example, in the depicted embodiment, panel **205** depicts four suggested search results **206**A-**206**D. Further, in the depicted embodiment, panel **205** includes a suggested search query **204** that is determined by the search assistant module **114** based on the content of the search query **202** that the user has entered into the search bar **203** thus far. Panel **207**, in the depicted embodiment, presents a prompt **208**, which may be used to provide the user with guidance on how to best use the search UI **106** or provide other information. As a non-limiting example, in FIG. **2**A, prompt **208** instructs the user to select a search result to preview the corresponding data record within panel **207**. Note, however, that this specific prompt **208** is provided merely as an example and, in other embodiments, the content of the prompt **208** may vary or prompt **208** may be omitted, as desired.

[0024] In various embodiments, when the user selects one of the search results **206**, the server system **110** may provide data indicative of a custom preview interface **108** for the selected search result **206**. For example, in the embodiment depicted in FIG. **2**B, the user has selected search result **206**A. The user may make the selection via client device **102** using any of various suitable input techniques, such as selecting search result **206** a using a mouse, a keyboard, voice command, touchscreen gesture, or any other suitable input technique. Once the server system **110** receives the user input selecting the search result **206**A via the search UI **106**, the server system **110** may determine that the record type of search result **206**A matches a record type for which there is a custom preview definition **124** that may be used to provide a custom preview interface **108** to the requesting user **101**. As shown in FIG. **1**, the server system **110** may retrieve this custom preview definition **124**, which may include code usable to generate some or all of the custom preview interface **108** for the search result **206**A.

[0025] In some embodiments, server system **110** may execute at least a portion of this code to generate the custom preview interface **108** for search result **206**A and then provide data indicative of that custom preview interface **108** to the client device **102** (e.g., provided in HTML, CSS, JavaScript, JSON, or any other suitable format usable by the client device **102** to display the custom preview interface **108**). The client device **102** may then render the provided data to display the custom preview interface **108** for search result **206**A via the client device **102**. Note that, in some embodiments, code included in the custom preview definition **124** may be usable by an application at the client device **102** to generate some or all of the custom preview interface **108**. For example, in some embodiments, the custom preview definition **124** for the search result **206**A may include JavaScript or other code executable by the browser application **104** to generate one or more components in the custom preview interface **108**. Further, in some embodiments, the custom preview definition **124** for the search result **206** may include one or more API calls to third-party services to incorporate third-party components into the custom preview interface **108**. As one non-limiting example, server system **110** may send, to client device **102**, data indicative of the custom preview interface **108** that includes an API call to a web service (such as the Google Maps platform, for example) that incorporates a customized map into the custom preview interface **108**. Note, however, that this embodiment is provided merely as an example and is not intended to limit the scope of the present disclosure. In other embodiments, various other suitable types of third-party interface components may be integrated into the custom preview interface **108**, such as graphs, charts, calendars, etc. Additionally, in some embodiments, the code included in the custom preview definition **124** may include data provided in HTML, CSS, or JSON that is usable by the browser application **104** on the client device **102** to render one or more components or characteristics of the custom preview interface **108**.

[0026] Additionally note that, in various embodiments, the custom preview interface **108** presented in the search UI **106** may allow a user to modify search result records directly within the search UI **106** itself. For example, in various embodiments, the custom preview interface **108** may present a set of action items that the user may utilize to modify the data record **120** of a search result **206**. As non-limiting examples, the action items included in a custom preview interface **108** may include: add a note to a data record, delete the data record, clone the data record, change the owner of the data record, etc. In various embodiments, this feature of the custom preview interfaces **108** may allow users to modify data records **120** directly from the search UI **106**, rather than having to access the data record **120** via a separate application, saving the user time and effort.

[0027] FIG. **3** depicts a communication diagram **300** of an exchange between client device **102** and server system **110**, according to some embodiments. In the illustrated embodiment, the exchange begins at communication **302** in which the user **101** enters a search query into a search UI **106** of the search service provided by the server system **110**. In response to the search query, the server system **110** retrieves one or more search results, for example from data store **130**. In various embodiments, each of the search results is associated with corresponding metadata **122**. For example, in some embodiments, each of the search results may correspond to a data record **120** stored within data store **130** and the corresponding record metadata **122** for each data record **120** may specify its record type, an identifier of the organization with which the data record **120** or the user **101** is associated, access permissions for the data record **120**, or any of various other suitable items of metadata. At communication **304**, in the depicted embodiment, the server system **110** provides the search results to the client device via the search UI **106**. In various embodiments, the server system **110** may provide suggested search results as the user **101** is entering the search query. As such, in various embodiments, this process of retrieving suggested search results and providing those search results to the client device **102** via the search UI **106** may be repeated multiple times during the course of a single search query.

[0028] At communication **306**, in the depicted embodiment, server system **110** receives user input selecting a first one of the one or more search results provided via the search UI **106**. For example, as discussed above with reference to FIG. **2**B, user **101** may select search result **206**A presented via the search UI **106**. In response to communication **306**, server system **110** may retrieve a custom preview definition **124** associated with the selected search result **206**A. For example, in some embodiments, the server system **110** may determine, based on metadata **122** associated with the selected search result **206**A, that the record type of search result **206**A matches a record type for which a custom preview definition **124** has been specified. In some embodiments, for example, the user of client device **102** may be associated with a first tenant of the server system **110** that has provided a custom preview definition **124** for search results that match the record type of search result **206**A. In such embodiments, server system **110** may compare the record type of the search result **206**A to the record types specified by the custom preview definition(s) **124** to determine whether the first tenant has specified a custom preview interface **108** for the particular record type. If so, server system **110** may retrieve the appropriate custom preview definition **124** and use that definition **124** to generate a custom preview interface **108** for the search result **206**A.

[0029] At communication **308**, in the depicted embodiment, server system **110** provides data corresponding to the custom preview interface **108** for the first search result **206**A to the client device **102**. As discussed above, browser application **104** (or another software application executing

on the client device **102**) may use this data to render the custom preview interface **108** as part of the search UI **106**. Note that, in some embodiments, the user **101** may interact with the selected search result **206**A directly from the custom preview interface **108**. For example, in some embodiments, the user **101** may update values for one or more of the fields in the underlying data record **120** corresponding to the first search result **206**A. At communication **310** in FIG. **3**, the server system **110** receives this request to modify the first search result **206**A. In response to this request, server system **110** may modify one or more fields of the data record **120** stored in data store **130** that corresponds to this first search result **206**A. In various embodiments, once it has modified the search result **206**A as requested by the user, server system **110** may provide the client device **102** with updated data indicative of the custom preview interface **108** that depicts a modified version of the search result **206**A. In this way, the user may quickly identify and interact with a desired data record **120** directly from a custom preview interface **108** that was specified by the organization to which the user belongs. As noted above, this may result in saved time and effort on the part of the user, improving the user experience and the search service as a whole.

[0030] Referring now to FIG. **4**, block diagram **400** depicts an example embodiment of application server **112**. In various embodiments, application server **112** is included in server system **110** and is operable to facilitate the display of one or more custom preview interfaces **108** for search results provided to the user **101** via the search service. In the embodiment shown in FIG. **4**, application server **112** includes search assistant module **114**. In various embodiments, search assistant module **114** is operable to perform various functions associated with the search service provided by server system **110**. For example, as described above, a user **101** of client device **102** may select a search result **206** via the search UI **106** to request that a preview be presented. In various embodiments, search assistant module **114** includes preview interface module **402**, which is operable to generate and provide a preview interface for the selected search result **206** to the requesting user **101**.

[0031] Preview interface module **402** of FIG. **4** includes preview selection module **404** and preview generation module **406**. In various embodiments, preview selection module **404** is operable to select a preview of a selected search result **206** to provide to a client device **102** of the requesting user **101**. For example, as described above with reference to FIG. **1**, in various embodiments a particular group that uses server system **110** may specify a custom preview definition **124** for one or more record types for which the server system **110** maintains data records. If the group with which the requesting user **101** is associated has provided a custom preview definition **124** for the record type of the selected search result **206**, search assistant module **114** may retrieve that custom preview definition **124** and generate data indicative of the custom preview interface **108** for that selected search result **206**. If, however, the group has not specified a custom preview definition **124** for the record type of the selected search result **206**, search assistant module **114** may provide a default preview for the selected search result **206**. For example, data store **130** may include default preview definitions **126** for various record types that may be used by default if a given group has not overridden the default preview definitions **126** with a custom preview definition **124** for a particular record type. In the event that a search results **206** selected by the user via search UI **106** is not associated with a custom preview definition **124**, search assistant module **114** may generate a default preview for the selected search result **206**.

[0032] In various embodiments, preview selection module **404** is operable to determine whether to provide a default preview or a custom preview for the selected search result **206**. Preview selection module **404** may make such termination using various suitable techniques. For example, in some embodiments, preview selection module **404** may include (or have access to) information indicating the record types for which a given group of users (e.g., tenant) has provided a custom preview definition **124**. For example, in some embodiments, such information may be stored in a lookup table, database object, or any other suitable data structure that preview selection module **404** may use to determine whether a custom preview definition **124** exists for a selected search result **206**. As one non-limiting example, when the user selects a search result **206** to preview, the server system **110** may receive a request that identifies the selected search result **206**, for example by its record ID. In some such embodiments, preview selection module **404** may use this record ID and the identity of group to which the requesting user **101** belongs (which may be implicit from the session between the server system **110** and the client device **102**) to determine whether that group has provided a custom preview definition **124** for the record type of the selected search result **206**. If so, search assistant module **114** may retrieve the custom preview definition **124**. If not, the search assistant may instead retrieve a default preview definition **126** for the record type of the selected search result **206**.

[0033] As noted above, the custom preview definition **124** may, in some embodiments, include code that is usable to generate one or more components to be included in the custom preview interface **108**. In various embodiments, preview generation module **406** is operable to use the custom preview definition **124** to generate data that is indicative of the custom preview interface **108** for the selected search result **206**. For example, some embodiments, preview generation module **406** may execute some or all of the code included in the custom preview definition **124** to generate data for one or more of the components included in the custom preview interface **108**. In other embodiments, however, some or all of the code included in the custom preview definition **124** may be usable (e.g., executable or otherwise usable to generate or render the custom preview interface **108**) by the browser application **104** (or another client application) executing on the client device **102**. In some such embodiments, the data indicative of the custom preview interface **108** sent to the client device **102** may include this code such that it may be used at the client device **102** to generate one or more components for the custom preview interface for the selected search result **206**.

[0034] Further, in some embodiments, a custom preview interface **108** may include components generated by third-party software applications or third-party web services. For example, as noted above, server system **110** may include numerous software applications and provide various web services. In some embodiments, a custom preview definition **124** may specify one or more of the applications or services provided by server system **110** for use in a corresponding custom preview interface **108**. In such embodiments, pre-

view generation module **406** may generate one or more components for the custom preview interface **108** by making a call to the relevant application or service within the server system **110**. Further, in some embodiments, a custom preview definition **124** may specify a third-party application or web service (e.g., a map service, calendar service, email service, etc.) for use in a corresponding custom preview interface **108**. In such embodiments, the component(s) to be provided by these third-party applications or services may be generated by making a call (e.g., an API call) to the relevant third-party. In some embodiments, such API calls may be performed either by the application server **112** at the server system **110** or by the browser application **104** (or other client application) executing at the client device **102**. For example, in some instances, the data indicative of the custom preview interface **108** may be webpage data that includes a JavaScript API call to a third-party service.

[0035] Turning now to FIG. **5**, a flow diagram illustrating an example method **500** for providing a custom preview interface for a selected search result is depicted, according to some embodiments. In various embodiments, method **500** may be performed by server system **110** of FIG. **1** to provide a custom preview interface **108** to the client device **102**, which may allow the requesting user **101** to inspect and interact with a selected search result **206** within a search UI **106**. For example, server system **110** may include (or have access to) a non-transitory, computer-readable medium having program instructions stored thereon that are executable by the server system **110** to cause the operations described with reference to FIG. **5**. In FIG. **5**, method **500** includes elements **502-512**. Although these elements are shown in a particular order for ease of understanding, other orders may be used. In various embodiments, some of the method elements may be performed concurrently, in a different order than shown, or may be omitted. Additional method elements may also be performed as desired.

[0036] At **502**, in the illustrated embodiment, server system **110**, which provides a search service to various remote users (e.g., such as the user **101** of client device **102**), receives a custom preview definition **124** that specifies code usable to generate a custom preview interface **108** for search results of a particular record type. In various embodiments, the custom preview definition **124** is received from a user of the search service. For example, as discussed above, server system **110** may provide computing resources to one or more groups of users. In various embodiments, each of the groups of users may provide custom preview definitions **124** for one or more record types, enabling the server system **110** to generate custom preview interfaces **108** for search results of these record types when users of the respective groups use the search service. Accordingly, in various embodiments, one or more users within each of the groups of users may provide custom preview definitions **124** to the server system **110**. In some embodiments, server system **110** is a multi-tenant computer system that provides computing resources to various tenants, each of which may include various users. In some such embodiments, the custom preview definition **124** may be executable to generate a custom preview interface **108** for users that are associated with a first tenant of the multi-tenant server system **110**. Further note that, in some embodiments, the custom preview definitions **124** may be usable to generate custom preview interfaces **108** for some or all of the users belonging to a particular tenant, and not simply just the user that provided the custom preview definition **124**.

[0037] At **504**, the illustrated embodiment, the server system **110** receives, a search query from a particular user **101** of the search service. For example, in some embodiments, the user **101** of client device **102** may be associated with a first tenant of the server system **110**. At **506**, in the illustrated embodiment, the server system **110** retrieves one or more search results based on the search query provided by the user **101**. In various embodiments, each of these one or more search results is associated with corresponding metadata. For example, as described above, various records **120** maintained in data store **130** may be associated with corresponding record metadata **122**. The data fields included within record metadata **122** may vary in different embodiments. In some embodiments, for example, the record metadata **122** for a given record **120** may include one or more of: an organization identifier that identifies the organization with which the record **120** is associated, a record type identifier that identifies the type of the data record, a custom preview identifier that indicates whether there is a custom preview definition **124** associated with the record **120** or the record data type, etc. Note, however, that these specific data fields are provided merely as an example and are not intended to limit the scope of the present disclosure. In other embodiments, record metadata **122** may include any of various other suitable data fields, as desired.

[0038] In some embodiments, subsequent to retrieving the one or more search results at element **506**, method **500** may include the server system **110** providing, to the client device **102**, data indicative of will a search interface **106** that is usable to present the one or more search results via the client device **102**. At **508**, in the illustrated embodiment, server system **110** receives, from the client device **102**, user input identifying a first search result of the one or more search results previously provided to the user **101**. Once the user has selected a search result for which to provide a preview, server system **110** may determine whether to provide a default preview or a custom preview (e.g., specified by the group with which the requesting user is associated) for the selected search result. For example, at **510**, in the illustrated embodiment, the server system **110** determines that a record type of a first search results, selected by the user **101**, matches the particular record type specified by the custom preview definition **124**. In some embodiments, this determination may be made based on the corresponding metadata **122** associated with data record **120** of the first search result. At **512**, in the illustrated embodiment, the server system **110** retrieves the specified code to facilitate the display of the custom preview interface **108** for the first search result at the client device **102**. For example, as shown in FIG. **1**, the search assistant module **114** may retrieve the custom preview definition **124** from the data store **130**. In various embodiments, search assistant module **114** may execute some or all of the program code specified the custom preview definition **124** to generate one or more components to be included in the custom preview interface **108**. In various embodiments, method **500** may further include providing, to the client device **102**, data indicative of the custom preview interface **108** that may be used by the browser application **104** executing on the client device **102** to render the custom preview interface **108** within the search UI **106**.

[0039] FIGS. **6**A-**6**C depict example embodiments of a search UI **106**, according to some embodiments. In various embodiments, the search UI's **106** shown in FIGS. **6**A-**6**C may be used to present search results and custom preview interfaces **108** to a user of the search service provided by the server system **110**. In FIG. **6**A, for example, search UI **106** includes a search bar **203**, a left panel **205**, and a right panel **207**. In the depicted embodiment, the user has entered a portion of a search query into the search bar **203** and the server system **110** has populated the search UI **106** with suggested content based on this partial search query. For example, in the upper portion of panel **205**, search UI **106** includes a list of suggested search queries **204** based on the search query that is currently entered into the search bar **203**. Further, in the depicted embodiment, the lower portion of panel **205** depicts a list of suggested search results **206**. In various embodiments, the suggested search results **206** may correspond to data records **120** of different record types. For example, in FIG. **6**A, the suggested search results **206** include data records **120** of an "account" record type, a "file" record type, and a "dashboard" record type. Note that these suggested search results are provided merely as an example and are not intended to limit the scope of the present disclosure. In other embodiments, search UI **106** may be populated with various other types of suggested search results. For example, in some embodiments, search UI **106** may include a list of suggested search results **206** based on the current search query. Further note that the location of the various components (e.g., suggested search queries **204**, suggested search results **206**, custom preview interface **108**, etc.) within the search UI **106** may differ, according to various embodiments. For example, search UI **106** may include any suitable number and configuration of panels that may be used to present the various components in any suitable position, as desired.

[0040] As the user enters the search query into the search bar **203**, search UI **106** may be updated to reflect the current search results for the current search query. In various embodiments, if the user selects a particular search result (e.g., a suggested data record or list of data records), panel **207** may be used to present a corresponding preview that allows the user to review a search result within the search UI **106**. For example, a user **101** may key down or hover a cursor over a record in the suggested search results **206** to load a preview in the right panel **207**, according to some embodiments. In various embodiments, panel **207** may present a preview stencil **602** while the data for the custom preview interface **108** is generated by the server system **110**. As described above, each custom preview interface **108** may be customized for the user's organization based on the specific record type. For example, for a first tenant of the server system **110**, a custom preview interface **108** for an "opportunity" data record may differ from a custom preview interface **108** for a "dashboard" data record. Note that, in various embodiments, server system **110** does not "optimistically" populate the search UI **106** with a custom preview interface **108** before the user has selected a search result **206**, as such functionality may serve as a distraction to the user **101** and, in some instances, detract from the user experience with the search UI **106**. Instead, in such embodiments, the server system **110** may provide custom preview interfaces **108** in response to a positive selection, by the user **101**, of one of the search results **206** provided in the search UI **106**.

[0041] Turning to FIG. **6**B, diagram **610** depicts a search UI **106** in which the custom preview interface **108** for the selected search result **206** has been rendered at the client device **102**. In the depicted embodiment, the custom preview interface for this example "account" record type includes various items of information, such as the shipping city, the account number, and the account owner. Further, in the depicted embodiment, the custom preview interface **108** includes a related list of links that may be selected by the user **101** to further facilitate identifying and interacting with search results from within the search UI **106**. Note, however, that the custom preview interface **108** provided in FIG. **6**B is provided merely as an example. In other embodiments, a custom preview interface **108** may include any of various components selected by the group providing the custom preview definition **124** for the custom preview interface **108**. For example, in FIG. **6**C, the custom preview interface **108** includes a map showing a location associated with the selected search result **206**. In some embodiments, for example, the data indicative of the custom preview interface **108** sent to the client device may include an API call to a third-party service (e.g., the Google Maps platform) to generate one or more components in the custom preview interface.

Example Computer System

[0042] Referring now to FIG. **7**, a block diagram of an example computer system **700** is depicted, which may implement one or more computer systems in the server system **110**, such as application server **112** or search server **114** of FIG. **1**, according to various embodiments. Computer system **700** includes a processor subsystem **720** that is coupled to a system memory **740** and I/O interfaces(s) **760** via an interconnect **780** (e.g., a system bus). I/O interface(s) **760** is coupled to one or more I/O devices **770**. Computer system **700** may be any of various types of devices, including, but not limited to, a server computer system, personal computer system, desktop computer, laptop or notebook computer, mainframe computer system, server computer system operating in a datacenter facility, tablet computer, handheld computer, workstation, network computer, etc. Although a single computer system **700** is shown in FIG. **7** for convenience, computer system **700** may also be implemented as two or more computer systems operating together.

[0043] Processor subsystem **720** may include one or more processors or processing units. In various embodiments of computer system **700**, multiple instances of processor subsystem **720** may be coupled to interconnect **780**. In various embodiments, processor subsystem **720** (or each processor unit within **720**) may contain a cache or other form of on-board memory.

[0044] System memory **740** is usable to store program instructions executable by processor subsystem **720** to cause system **700** perform various operations described herein. System memory **740** may be implemented using different physical, non-transitory memory media, such as hard disk storage, floppy disk storage, removable disk storage, flash memory, random access memory (RAM-SRAM, EDO RAM, SDRAM, DDR SDRAM, RAMBUS RAM, etc.), read only memory (PROM, EEPROM, etc.), and so on. Memory in computer system **700** is not limited to primary storage such as system memory **740**. Rather, computer system **700** may also include other forms of storage such as cache memory in processor subsystem **720** and secondary

storage on I/O devices **770** (e.g., a hard drive, storage array, etc.). In some embodiments, these other forms of storage may also store program instructions executable by processor subsystem **720**.

[0045] I/O interfaces **760** may be any of various types of interfaces configured to couple to and communicate with other devices, according to various embodiments. In one embodiment, I/O interface **760** is a bridge chip (e.g., Southbridge) from a front-side to one or more back-side buses. I/O interfaces **760** may be coupled to one or more I/O devices **770** via one or more corresponding buses or other interfaces. Examples of I/O devices **770** include storage devices (hard drive, optical drive, removable flash drive, storage array, SAN, or their associated controller), network interface devices (e.g., to a local or wide-area network), or other devices (e.g., graphics, user interface devices, etc.). In one embodiment, I/O devices **770** includes a network interface device (e.g., configured to communicate over WiFi, Bluetooth, Ethernet, etc.), and computer system **700** is coupled to a network via the network interface device.

[0046] Although the embodiments disclosed herein are susceptible to various modifications and alternative forms, specific embodiments are shown by way of example in the figures and are described herein in detail. It should be understood, however, that figures and detailed description thereto are not intended to limit the scope of the claims to the particular forms disclosed. Instead, this application is intended to cover all modifications, equivalents and alternatives falling within the spirit and scope of the disclosure of the present application as defined by the appended claims. The headings used herein are for organizational purposes only and are not meant to be used to limit the scope of the description.

[0047] This disclosure includes references to "one embodiment," "a particular embodiment," "some embodiments," "various embodiments," "an embodiment," etc. The appearances of these or similar phrases do not necessarily refer to the same embodiment. Particular features, structures, or characteristics may be combined in any suitable manner consistent with this disclosure.

[0048] As used herein, the term "based on" is used to describe one or more factors that affect a determination. This term does not foreclose the possibility that additional factors may affect the determination. That is, a determination may be solely based on specified factors or based on the specified factors as well as other, unspecified factors. Consider the phrase "determine A based on B." This phrase specifies that B is a factor that is used to determine A or that affects the determination of A. This phrase does not foreclose that the determination of A may also be based on some other factor, such as C. This phrase is also intended to cover an embodiment in which A is determined based solely on B. As used herein, the phrase "based on" is synonymous with the phrase "based at least in part on."

[0049] As used herein, the phrase "in response to" describes one or more factors that trigger an effect. This phrase does not foreclose the possibility that additional factors may affect or otherwise trigger the effect. That is, an effect may be solely in response to those factors, or may be in response to the specified factors as well as other, unspecified factors. Consider the phrase "perform A in response to B." This phrase specifies that B is a factor that triggers the performance of A. This phrase does not foreclose that performing A may also be in response to some other factor, such as C. This phrase is also intended to cover an embodiment in which A is performed solely in response to B.

[0050] As used herein, the terms "first," "second," etc. are used as labels for nouns that they precede, and do not imply any type of ordering (e.g., spatial, temporal, logical, etc.), unless stated otherwise. As used herein, the term "or" is used as an inclusive or and not as an exclusive or. For example, the phrase "at least one of x, y, or z" means any one of x, y, and z, as well as any combination thereof (e.g., x and y, but not z).

[0051] It is to be understood that the present disclosure is not limited to particular devices or methods, which may, of course, vary. It is also to be understood that the terminology used herein is for the purpose of describing particular embodiments only and is not intended to be limiting. As used herein, the singular forms "a," "an," and "the" include singular and plural referents unless the context clearly dictates otherwise. Furthermore, the word "may" is used throughout this application in a permissive sense (i.e., having the potential to, being able to), not in a mandatory sense (i.e., must). The term "include," and derivations thereof, mean "including, but not limited to." The term "coupled" means directly or indirectly connected.

[0052] Within this disclosure, different entities (which may variously be referred to as "units," "circuits," other components, etc.) may be described or claimed as "configured" to perform one or more tasks or operations. This formulation—[entity] configured to [perform one or more tasks]—is used herein to refer to structure (i.e., something physical, such as an electronic circuit). More specifically, this formulation is used to indicate that this structure is arranged to perform the one or more tasks during operation. A structure can be said to be "configured to" perform some task even if the structure is not currently being operated. A "memory device configured to store data" is intended to cover, for example, an integrated circuit that has circuitry that performs this function during operation, even if the integrated circuit in question is not currently being used (e.g., a power supply is not connected to it). Thus, an entity described or recited as "configured to" perform some task refers to something physical, such as a device, circuit, memory storing program instructions executable to implement the task, etc. This phrase is not used herein to refer to something intangible. The term "configured to" is not intended to mean "configurable to." An unprogrammed FPGA, for example, would not be considered to be "configured to" perform some specific function, although it may be "configurable to" perform that function after programming.

[0053] Reciting in the appended claims that a structure is "configured to" perform one or more tasks is expressly intended not to invoke 35 U.S.C. § 112(f) for that claim element. Should Applicant wish to invoke Section 112(f) during prosecution, it will recite claim elements using the "means for" [performing a function] construct.

[0054] In this disclosure, various "modules" operable to perform designated functions are shown in the figures and described in detail above (e.g., search assistant module **114**, preview interface module **402**, etc.). As used herein, the term "module" refers to circuitry configured to perform specified operations or to physical, non-transitory computer-readable media that stores information (e.g., program instructions) that instructs other circuitry (e.g., a processor) to perform specified operations. Modules may be implemented in mul-

tiple ways, including as a hardwired circuit or as a memory having program instructions stored therein that are executable by one or more processors to perform the operations. The hardware circuit may include, for example, custom very-large-scale integration (VLSI) circuits or gate arrays, off-the-shelf semiconductors such as logic chips, transistors, or other discrete components. A module may also be implemented in programmable hardware devices such as field programmable gate arrays, programmable array logic, programmable logic devices, or the like. A module may also be any suitable form of non-transitory computer readable media storing program instructions executable to perform specified operations.

[0055] Although specific embodiments have been described above, these embodiments are not intended to limit the scope of the present disclosure, even where only a single embodiment is described with respect to a particular feature. Examples of features provided in the disclosure are intended to be illustrative rather than restrictive unless stated otherwise. The above description is intended to cover such alternatives, modifications, and equivalents as would be apparent to a person skilled in the art having the benefit of this disclosure.

[0056] The scope of the present disclosure includes any feature or combination of features disclosed herein (either explicitly or implicitly), or any generalization thereof, whether or not it mitigates any or all of the problems addressed herein. Accordingly, new claims may be formulated during prosecution of this application (or an application claiming priority hereto) to any such combination of features. In particular, with reference to the appended claims, features from dependent claims may be combined with those of the independent claims and features from respective independent claims may be combined in any appropriate manner and not merely in the specific combinations enumerated in the appended claims.

1. A method, comprising:

receiving, at a server system of a search service, a custom preview definition that specifies code usable to generate a custom preview interface for search results of a particular record type, wherein the custom preview definition is received from a user of the search service;

receiving, at the server system from a client device, a search query from a particular user of the search service;

based on the search query, the server system providing one or more search results to the client device, wherein a first search result, of the one or more search results, corresponds to a first data record maintained by the server system;

receiving, by the server system from the client device, user input identifying the first search result of the one or more search results; and

in response to receiving the user input identifying the first search result, selecting, by the server system, a preview interface for the first search result based on a record type associated with the first search result, including by:

based on metadata associated with the first search result, identifying the record type of the first data record;

determining, that the record type of the first data record matches the particular record type; and

retrieving the specified code to facilitate display of the custom preview interface for the first search result at the client device.

2. The method of claim **1**, further comprising:

executing, by the server system, at least a portion of the specified code to generate at least a portion of the custom preview interface for the first search result; and

providing, by the server system to the client device, data indicative of the custom preview interface.

3. The method of claim **1**, further comprising:

providing, by the server system to the client device, data indicative of the custom preview interface, wherein the data is usable, by an application on the client device, to render at least a portion of the custom preview interface.

4. The method of claim **3**, wherein at least a portion of the data includes an API call to a third-party service.

5. (canceled)

6. The method of claim **1**, further comprising:

providing, by the server system to the client device, data indicative of a search interface usable to present the one or more search results;

wherein the user input is received, from the client device, via the search interface.

7. The method of claim **1**, further comprising:

providing, by the server system to the client device, data indicative of the custom preview interface for the first search result;

receiving, from the client device via the custom preview interface, a request to modify the first data record corresponding to the first search result;

in response to the request, the server system modifying one or more fields of the first data record to generate a modified version of the first data record; and

storing, by the server system, the modified version of the first data record at the server system.

8. The method of claim **7**, further comprising:

subsequent to modifying the one or more fields of the first data record, providing, by the server system to the client device, data indicative of the custom preview interface that depicts the modified version of the first search result.

9. The method of claim **1**, wherein the server system is a multi-tenant server system, and wherein the specified code is usable to generate the custom preview interface for users associated with a first tenant of the multi-tenant server system.

10. The method of claim **9**, wherein the user providing the custom preview definition and the particular user submitting the search query are different users that are both associated with the first tenant.

11. A non-transitory, computer-readable medium having computer instructions stored thereon that are capable of being executed by a server system to cause operations comprising:

receiving a custom preview definition that specifies code usable to generate a custom preview interface for search results of a particular record type, wherein the custom preview definition is received from a user of a search service provided by the server system;

receiving, from a client device, a search query from a particular user of the search service;

based on the search query, providing one or more search results to the client device, wherein a first search result,

of the one or more search results, corresponds to a first data record maintained by the server system;

receiving, from the client device, user input identifying the first search result of the one or more search results; and

in response to receiving the user input identifying the first search result, selecting a preview interface for the first search result based on a record type associated with the first search result, including by:

based on metadata associated with the first search result, identifying the record type of the first data record;

determining that the record type of the first data record search result matches the particular record type; and

retrieving the specified code to facilitate display of the custom preview interface for the first search result at the client device.

12. The non-transitory, computer-readable medium of claim **11**, wherein the operations further comprise:

executing at least a portion of the specified code to generate at least a portion of the custom preview interface for the first search result; and

providing, to the client device, data indicative of the custom preview interface.

13. The non-transitory, computer-readable medium of claim **11**, wherein the operations further comprise:

providing, to the client device, data indicative of the custom preview interface, wherein the data is usable by an application on the client device to generate at least a portion of the custom preview interface.

14. The non-transitory, computer-readable medium of claim **11**, wherein the operations further comprise:

providing, to the client device, data indicative of the custom preview interface for the first search result;

receiving, from the client device via the custom preview interface, a request to modify the first data record corresponding to the first search result; and

in response to the request, modifying one or more fields of the first data record to generate a modified version of the first data record; and

storing the modified version of the first data record at the server system.

15. The non-transitory, computer-readable medium of claim **14**, wherein the operations further comprise:

subsequent to modifying the one or more fields of the first data record, providing, by the server system to the client device, data indicative of the custom preview interface that depicts the modified version of the first search result.

16. A system, comprising:

at least one processor;

a non-transitory, computer-readable medium having instructions stored thereon that are executable by the at least one processor to cause the system to:

receive a custom preview definition that specifies code usable to generate a custom preview interface for search results of a particular record type, wherein the custom preview definition is received from a user of a search service provided by the system;

receive, from a client device, a search query from a particular user of the search service;

based on the search query, provide one or more search results to the client device, wherein a first search result, of the one or more search results, corresponds to a first data record maintained by the system;

receive, from the client device, user input identifying a first search result of the one or more search results; and

in response to receiving the user input identifying the first search result, select a preview interface for the first search result based on a record type associated with the first search result, including by:

based on metadata associated with the first search result, identifying the record type of the first data record;

determine that the record type of the first data record matches the particular record type; and

retrieve the specified code to facilitate display of the custom preview interface for the first search result at the client device.

17. The system of claim **16**, wherein the instructions are further executable to cause the system to:

provide, to the client device, data indicative of a search interface usable to present the one or more search results;

wherein the user input is received, from the client device, via the search interface.

18. The system of claim **16**, wherein the instructions are further executable to cause the system to:

provide, to the client device, data indicative of the custom preview interface for the first search result;

receive, from the client device via the custom preview interface, a request to modify the first data record corresponding to the first search result;

in response to the request, modify one or more fields of the first data record to generate a modified version of the first data record; and

store the modified version of the first data record.

19. The system of claim **18**, wherein the instructions are further executable to cause the system to:

subsequent to modifying the one or more fields of the first data record, provide, to the client device, data indicative of the custom preview interface that depicts the modified version of the first search result.

20. The system of claim **16**, wherein the system is a multi-tenant server system, and wherein the specified code is usable to generate the custom preview interface for users associated with a first tenant of the multi-tenant server system.

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