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(54) **SYSTEMS AND METHODS FOR
INCREMENTAL QUERY-SPECIFIC
USER-PROVIDED PERMISSIONS**

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(56) **References Cited**

U.S. PATENT DOCUMENTS

10,304,084 B2 5/2019 Napchi
10,701,030 B2 6/2020 Napchi

10,892,968 B2 1/2021 Toksoz
11,190,563 B2 11/2021 Sei
12,061,716 B2 * 8/2024 Jensen G06F 21/6245
2007/0130130 A1 * 6/2007 Chan G06F 16/2455
2008/0281794 A1 * 11/2008 Mathur G06F 16/958
2015/0088612 A1 3/2015 Palan
2016/0125453 A1 5/2016 Shukla
2018/0137295 A1 5/2018 Sharma
2019/0318122 A1 10/2019 Hockey
2021/0081947 A1 3/2021 Hockey
2023/0017196 A1 1/2023 Jain
2023/0116961 A1 4/2023 Braathen

* cited by examiner

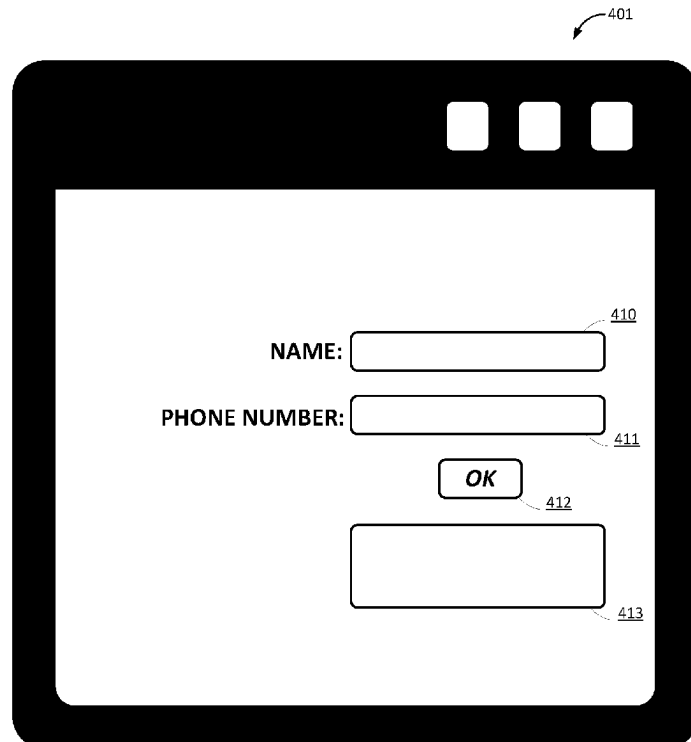
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(57) **ABSTRACT**

Systems and methods to obtain incremental query-specific user-provided permissions are disclosed. Exemplary implementations may receive a user-initiated request for one or more webpages from a user associated with a client computing platform; transfer a set of information to the client computing platform, wherein the set of information is usable to generate a first presentation and a second presentation on the client computing platform, wherein the first presentation collects or presents a first item of user-provided personal information pertaining to the user, wherein the second presentation collects or presents a second item of user-provided personal information; responsive to a first user-provided permission, receive the first item of user-provided personal information; responsive to a second user-provided permission, receive the second item of user-provided personal information, and/or perform other steps.

20 Claims, 5 Drawing Sheets



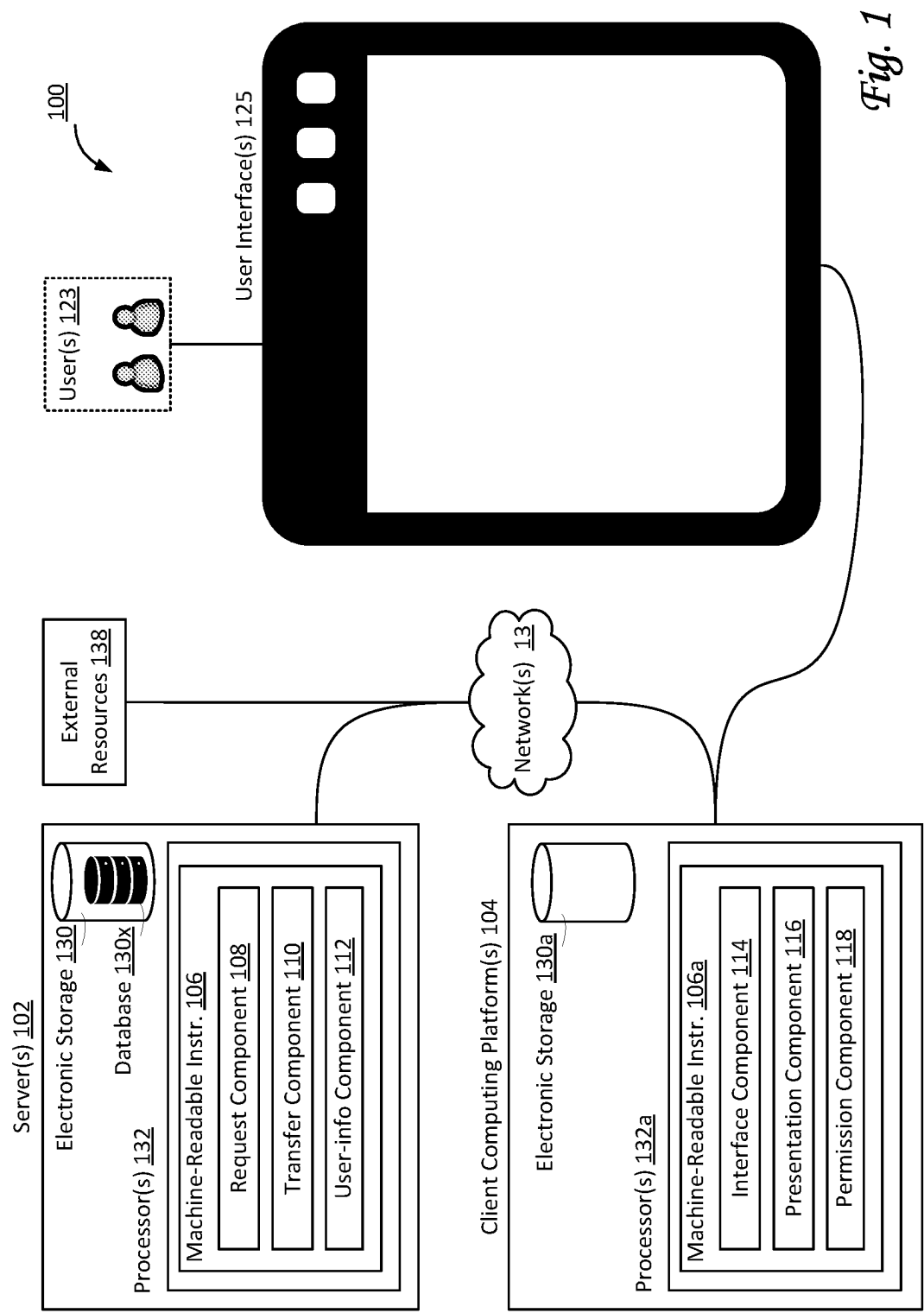
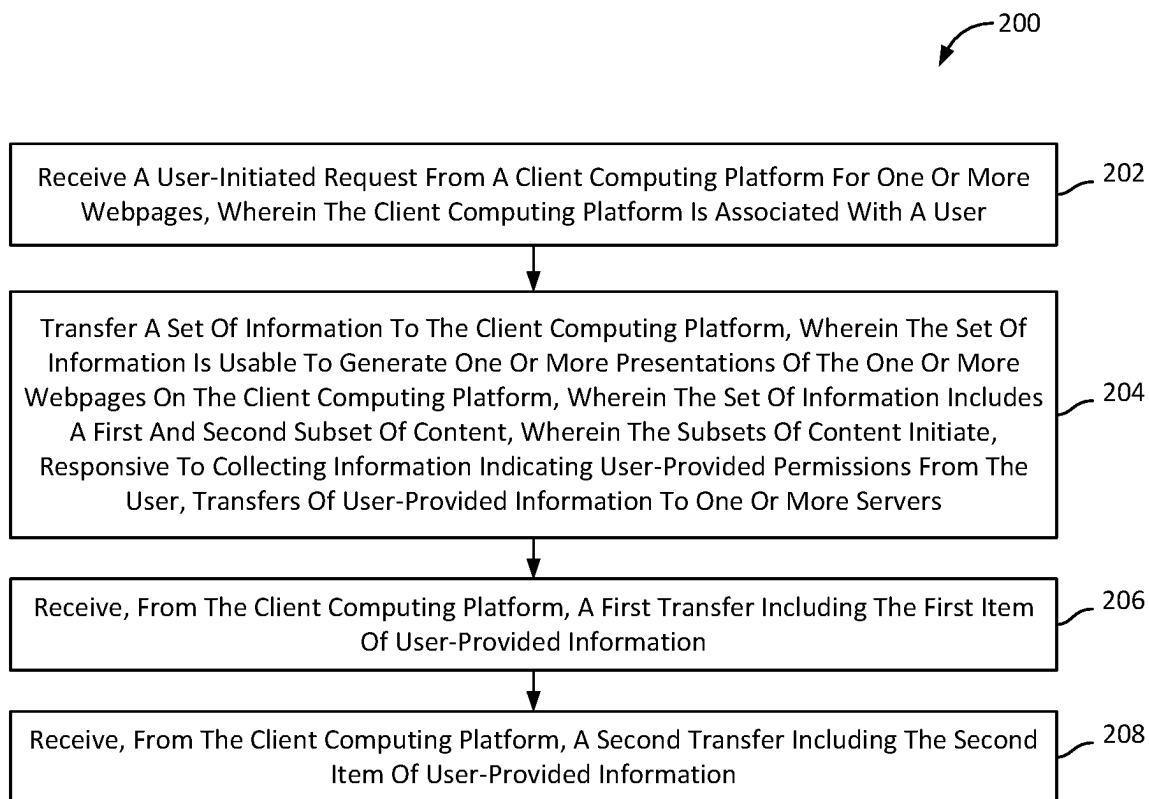
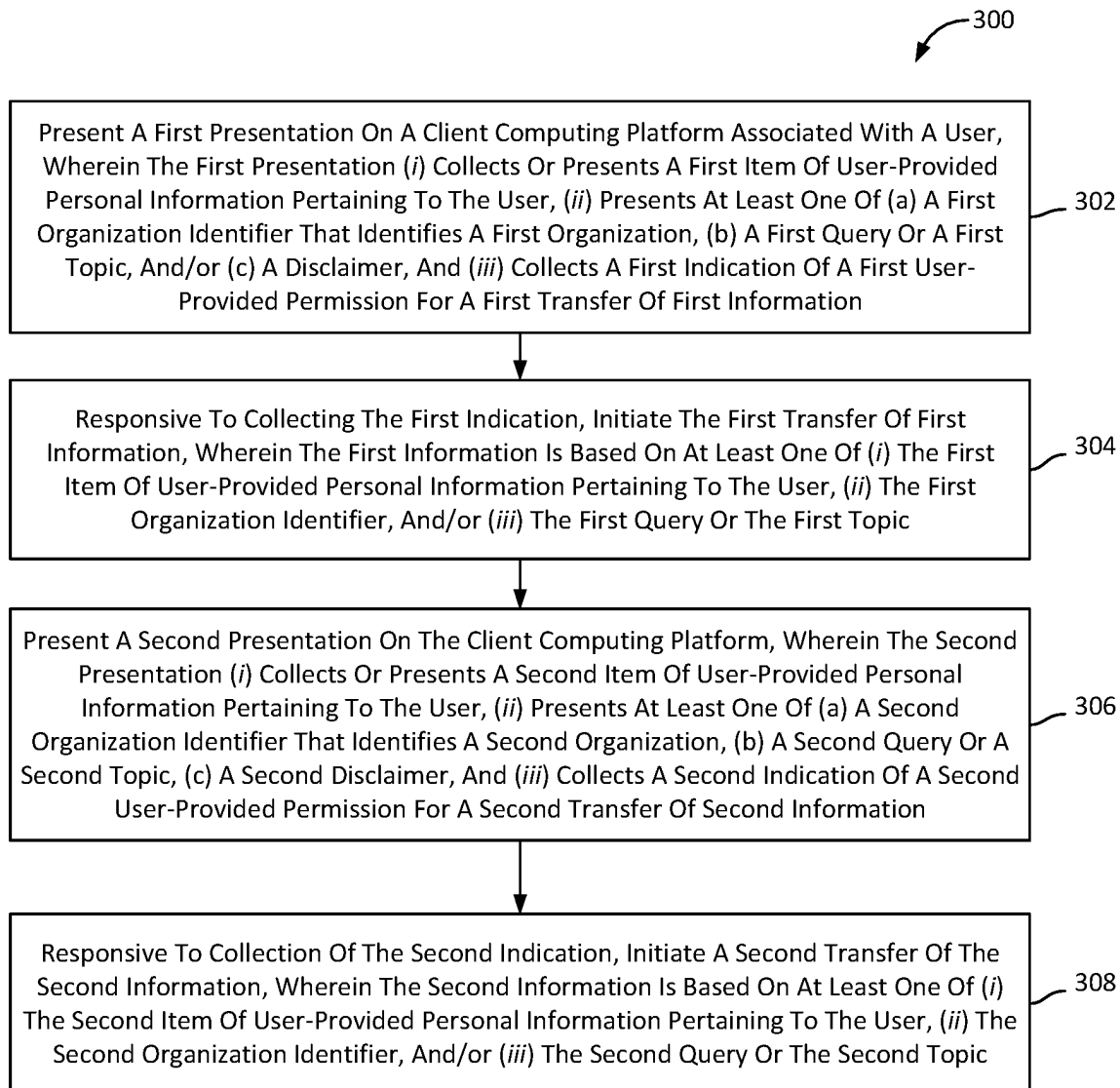


Fig. 1

*Fig. 2*

*Fig. 3*

401

NAME:

PHONE NUMBER:

410

411

412

413

Fig. 4A

402

AGE: 420

Social Security Number: 421

SUBMIT 422

423

Fig. 4B

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SYSTEMS AND METHODS FOR INCREMENTAL QUERY-SPECIFIC USER-PROVIDED PERMISSIONS

FIELD OF THE DISCLOSURE

The present disclosure relates to systems and methods to obtain incremental user-provided permissions that control the transfer of user-provided information. Individual user-provided permissions may be query-specific.

BACKGROUND

People entering (personal) information in a field or form on a website is known. Providers of online services asking for permission to use personal information is known, e.g., prior to sending notifications to the users.

SUMMARY

One aspect of the present disclosure relates to a system configured to obtain incremental query-specific user-provided permissions. The system may include one or more servers including one or more processors. The system may be configured to receive a user-initiated request for one or more webpages from a user associated with a client computing platform. The system may be configured to transfer a set of information to the client computing platform. The set of information may be usable to generate a first presentation and a second presentation on the client computing platform. The first presentation collects or presents a first item of user-provided personal information pertaining to the user. The second presentation collects or presents a second item of user-provided personal information. Responsive to a first user-provided permission, the system may be configured to receive the first item of user-provided personal information. Responsive to a second user-provided permission, the system may be configured to receive the second item of user-provided personal information. The system may be configured to perform other steps.

Another aspect of the present disclosure related to a method of obtaining incremental query-specific user-provided permissions. The method may include receiving a user-initiated request for one or more webpages from a user associated with a client computing platform. The method may include transferring a set of information to the client computing platform. The set of information may be usable to generate a first presentation and a second presentation on the client computing platform. The first presentation collects or presents a first item of user-provided personal information pertaining to the user. The second presentation collects or presents a second item of user-provided personal information. Responsive to a first user-provided permission, the method may include receiving the first item of user-provided personal information. Responsive to a second user-provided permission, the method may include receiving the second item of user-provided personal information. The method may include other steps.

As used herein, any association (or relation, or reflection, or indication, or correspondency, or correlation) involving servers, processors, client computing platforms, users, requests, webpages, presentations, items of information, queries, topics, permissions, transfers, interfaces, and/or another entity or object that interacts with any part of the system and/or plays a part in the operation of the system, may be a one-to-one association, a one-to-many association, a many-to-one association, and/or a many-to-many associa-

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tion or “N”-to-“M” association (note that “N” and “M” may be different numbers greater than 1).

As used herein, the term “obtain” (and derivatives thereof) may include active and/or passive retrieval, determination, derivation, transfer, upload, download, submission, and/or exchange of information, and/or any combination thereof. As used herein, the term “effectuate” (and derivatives thereof) may include active and/or passive causation of any effect, both local and remote. As used herein, the term “determine” (and derivatives thereof) may include measure, calculate, compute, estimate, approximate, generate, and/or otherwise derive, and/or any combination thereof.

These and other features, and characteristics of the present technology, as well as the methods of operation and functions of the related elements of structure and the combination of parts and economies of manufacture, will become more apparent upon consideration of the following description and the appended claims with reference to the accompanying drawings, all of which form a part of this specification, wherein like reference numerals designate corresponding parts in the various figures. It is to be expressly understood, however, that the drawings are for the purpose of illustration and description only and are not intended as a definition of the limits of the invention. As used in the specification and in the claims, the singular form of “a”, “an”, and “the” include plural referents unless the context clearly dictates otherwise.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 illustrates a system configured to obtain incremental query-specific user-provided permissions, in accordance with one or more implementations.

FIG. 2 illustrates a method of obtaining incremental query-specific user-provided permissions, in accordance with one or more implementations.

FIG. 3 illustrates a method of obtaining incremental query-specific user-provided permissions, in accordance with one or more implementations.

FIGS. 4A-4B illustrate examples of user interfaces, as may be used by a system configured to obtain incremental query-specific user-provided permissions, in accordance with one or more implementations.

DETAILED DESCRIPTION

FIG. 1 illustrates a system **100** configured to obtain incremental query-specific user-provided permissions, in accordance with one or more implementations. As a preliminary and non-limiting example, by virtue of the systems and methods described in this disclosure, user-provided (personal) information may be gathered, collected, and/or presented on a local client computing platform and transferred to a server, upon permission for such a transfer by the user. Each permission is associated with at least one of an organization, a query, a topic, and/or a disclaimer, which may limit future usage of the user-provided (personal) information. This transfer may be asynchronous based on the separation in time between the user entering particular user-provided information and the subsequent transfer, if permitted, to a server. Alternatively, and/or simultaneously, this transfer may be asynchronous based on using an asynchronous HyperText Transfer Protocol (HTTP) instruction to initiate the transfer, since this type of instruction does not require a response from a recipient (e.g., from one or more servers). In this case, the local client computing platform

does not need to wait for a response from the recipient to this type of transfer. Additionally, by virtue of the systems and methods described in this disclosure, the one or more servers may manage, host, and/or otherwise provide online services through one or more webpages in a manner that ensures that user-provided (personal) information from users has been received with the permission of the users. In some implementations, permission by an individual user may include permission to use the submitted personal information and/or permission to notify and/or otherwise contact the individual user.

System **100** may include one or more servers **102**, one or more client computing platforms **104**, user interface(s) **125**, external resource(s) **138**, and/or other components. Users **123** (also referred to as users) may include one or more of a first user, a second user, and/or other users. Users **123** may include users who use server(s) **102**, directly or indirectly. As used in descriptions herein, any use of the term “user” may refer to user(s) **123**, unless indicated otherwise. Individual users may be associated with individual client computing platforms **104**, and/or vice versa. As used herein, “local” refers to the client-side or user-side in system **100**, whereas “remote” or “server-side” refers to the side of servers **102** in system **100**.

Server(s) **102** may be configured to communicate with one or more client computing platforms **104** according to a client/server architecture and/or other architectures. Client computing platform(s) **104** may be configured to communicate with other client computing platforms via server(s) **102** and/or according to a peer-to-peer architecture and/or other architectures. Users may access system **100** via client computing platform(s) **104**. In some implementations, system **100** may be configured to communicate with one or more of server(s) **102**, users **123**, and/or other entities and/or components, e.g., through one or more networks **13**.

Server(s) **102** may include electronic storage **130**, (hardware) processor(s) **132**, machine-readable instructions **106**, and/or other components. Server(s) **102** may be configured by machine-readable instructions **106**. Machine-readable instructions **106** may include one or more instruction components. Instruction components (for any set of machine-readable instructions) may include computer program components. The instruction components may include one or more of a request component **108**, a transfer component **110**, a user-info component **112**, an interface component **114**, a presentation component **116**, a permission component **118**, and/or other instruction components. Processor(s) **132a** may be similar to processor(s) **132** as described elsewhere in this disclosure, though included in client computing platforms **104**, as depicted in FIG. 1. Machine-readable instructions **106a** may be similar to machine-readable instructions **106** as described elsewhere in this disclosure, though included in client computing platforms **104**, as depicted in FIG. 1. Electronic storage **130a** (also referred to as local electronic storage **130a**) may be similar to electronic storage **130** as described elsewhere in this disclosure, though included in client computing platforms **104**, as depicted in FIG. 1.

Request component **108** may be configured to receive requests from client computing platforms **104**, including but not limited to user-initiated requests. In some implementations, requests may be received via a communications network, including but not limited to one or more networks **13**. In some implementations, a user-initiated request may be a request for one or more webpages. In some implementations, a user-initiated request may be received at a network location that corresponds to one or more webpages. For example, a network location may have a web address, a

Uniform Resource Locator (URL), a Uniform Resource Identifier (URI), a Uniform Resource Name (URN), and/or another identifier or location information. In some implementations, a user-initiated request may be a HyperText Transfer Protocol (HTTP) request. In some implementations, a user-initiated request may be sent through a browsing application executing on a particular client computing platform **104**. Webpages may include displayable content, including but not limited to textual information, audio information, image information, video information, animated information, and/or other information capable of being presented to a user of a client computing platform.

Transfer component **110** may be configured to transfer information to client computing platforms **104**, e.g., in response to requests from client computing platforms **104**. The transferred information may be a set of information that includes one or more subsets of information and/or content (e.g., executable code such as JavaScript code, Hypertext Markup Language (HTML) code, etc.). In some implementations, the transferred information may be useable to generate one or more presentations of one or more webpages on one or more client computing platforms **104**. In some implementations, multiple subsets may be configured to be used in order, e.g., in a particular sequence. In some implementations, the multiple subsets may include a first subset of information and/or content, a second subset of information and/or content, a third subset of information and/or content, and so forth.

In some implementations, a first subset of information and/or content as transferred may be usable to generate and/or present a particular presentation on one or more client computing platforms **104**. For example, a first presentation may be configured to collect or present one or more items of user-provided information (e.g., user-entered information), including but not limited to personal information pertaining to the user. For example, personal information may include user identifiers that identify users, such as, e.g., a name, tag, handle, or alias. In some implementations, the user identifiers may include a particular user identifier through which a particular user can receive notifications and/or be identified. For example, such a particular user identifier could include one or more of a phone number, an email address, a user account address, a social security number (SSN), a (residential) home address, a mailing address, an internet protocol (IP) address, a media access control (MAC) address, and/or other information that can be used (in some cases indirectly, by using a suitable database that connects this information to a person) to contact and/or identify the particular user. Items of user-provided information may be collected and/or otherwise gathered through user input in a particular presentation. For example, a presentation (e.g., of a user interface) may include a form and/or a field for a user to enter user input, the user input representing user-entered information. In some implementations, a user interface may include one or more frames, borders, page sections, buttons, and/or other elements.

Alternatively, and/or simultaneously, the first presentation may be configured to collect or present at least one of an organization identifier, a query or a topic, a disclaimer, and/or other information. Organization identifiers may identify organizations, including but not limited to corporations, charities, communities, non-profit organizations, and/or other organizations. For example, a particular set of organization identifiers may identify a corresponding set of organizations regarding which a particular permission is transferred and/or received. For example, a particular permission may allow the organizations in a particular set of

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organizations (say, organizations “A”, “B”, and “C”) to notify the particular user. Queries may pertain to and/or indicate questions and/or requests that a user entered or selected. By way of non-limiting example, “what is the current mortgage rate?” may be a query. Topics may pertain to and/or indicate an area of interest to a user. By way of non-limiting example, “mortgage rates” or “used cars” may be topics. Permissions may be limited in scope and context to one or more queries and/or topics. Such permissions may be referred to as “query-specific permissions”. In some implementations, permissions that are limited in scope and/or context and further limited to particular organizations may be referred to as “limited-scope permissions”. In some implementations, individual disclaimers may indicate a scope and/or context for a particular permission, such as the type of contact and/or notification a user acquiesces to.

Alternatively, and/or simultaneously, the first presentation may be configured to collect information, including but not limited to information indicating (user-provided) permission from the user to transfer one or more items of user-provided (personal) information to some recipient, such as one or more servers **102**. For example, this presentation may be configured to detect a user-initiated event, including but not limited to an event in a user interface that indicates (user-provided) permission from the user to transfer one or more items of user-provided (personal) information to one or more servers **102**. For example, the user-initiated event may be the user clicking on a button labelled “SUBMIT”, which would indicate permission for a transfer. In some implementations, this presentation may be presented subsequent to the presentation that collects an item of user-provided information. In some implementations, this presentation may be presented subsequent to the presentation of an organization identifier, a query, a topic, a disclaimer, and/or other information.

In some implementations, the first subset of information and/or content as transferred may be configured to store information locally, in local electronic storage **130a** of a particular client computing platform **104**. The stored information may be (based on) the collected one or more items of user-provided information. In some implementations, a local browser application may manage local storage. For example, a first item of user-provided personal information may be stored by the local browser application in local electronic storage **130a** (e.g., in a file or other document).

In some implementations, an additional subset of information and/or content as transferred may be usable to generate and/or present additional presentations on one or more client computing platforms **104**. For example, additional presentations may be configured to collect or present additional items of user-provided information, organization identifiers, queries, topics, disclaimers, information indicating (user-provided) permissions, and/or other information, e.g., in a similar manner as described in regard to the first subset of information and/or content as transferred by transfer component **110**. For example, the additional presentations may include a second presentation, a third presentation, and so forth. In some implementations, the additional subsets of information and/or content may be configured to store information locally, in local electronic storage **130a** of a particular client computing platform **104**. The stored information may be (based on) the collected additional items of user-provided information.

In some implementations, information and/or content as transferred to a local client computing platform **104** may include locally executable content configured to initiate one or more transfers, e.g., of user-provided information, from

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the local client computing platform **104** to one or more servers **102**. The user-provided information may be based on one or more items of user-provided personal information and/or other information. Initiating the one or more transfers may occur responsive to the user providing permission for the one or more transfers. In some implementations, a single transfer may include information based on multiple items of user-provided personal information, and may correspond to multiple individual user-provided permissions. Transferring the user-provided information may include accessing and/or otherwise retrieving information previously stored in local electronic storage **130a**. In some implementations, the one or more transfers may use one or more asynchronous HyperText Transfer Protocol (HTTP) instructions that do not require a response from the destination (i.e., one or more servers **102**). In some implementations, the one or more transfers may use a web beacon. In some implementations, the one or more asynchronous HyperText Transfer Protocol (HTTP) instructions may comply with the Beacon Application Programming Interface (API) standard as published by the world Wide Web Consortium.

By way of non-limiting example, FIG. 4A illustrates a user interface **401**, as may be used during operation of system **100**. User interface **401** may be presented on a local client computing platform **104** as a first presentation of a particular webpage (subsequent to a user requesting the particular webpage through, e.g., a browser application executing on the local client computing platform **104**). User interface **401** may be configured to collect (personal) information from the user. User interface **401** includes various graphical user interface elements, including a field **410** (labeled “NAME:”), a field **411** (labeled “PHONE NUMBER:”), an action button **412** (labeled “OK”), and a field **413**. Field **410** and field **411** are configured for a user to enter information, i.e., user-provided (personal) information pertaining to the user. In some implementations, upon entry of any information, user interface **401** may be configured to store the information locally, in local electronic storage **130a** (not depicted). Field **413** may be configured to present information to the user, such as, by way of non-limiting example, an organization identifier that identifies a particular organization, a particular query or topic, and a disclaimer stating the user acquiesces to receiving notifications from the particular organization regarding the particular query or topic. Responsive to the user engaging action button **412** (e.g., by clicking on “OK”), user interface **401** may be configured to initiate one or more transfers of user-provided information. In some implementations, at this moment, no transfer may be initiated yet. In some implementations, user interface **401** may be configured to store the information locally, in local electronic storage **130a** (not depicted), e.g., responsive to the user engaging action button **412** (e.g., by clicking on “OK”). Alternatively, and/or simultaneously, upon the user engaging action button **412**, the browser application executing on the local client computing platform **104** may present a user interface **402** depicted in FIG. 4B.

By way of non-limiting example, FIG. 4B illustrates user interface **402**, as may be used during operation of system **100**. User interface **402** may be configured to collect (personal) information from the user. User interface **402** includes various graphical user interface elements, including a field **420** (labeled “AGE:”), a field **421** (labeled “Social Security Number:”), an action button **422** (labeled “SUBMIT”), and a field **423**. Field **420** and field **421** may be considered a particular presentation (i.e., the second presentation as described elsewhere herein). In some cases, action button **422** may be considered a separate presentation, which

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may be presented together with the rest of user interface **402**, or even at the same time. In other implementations, the presentation of action button **422** may be separated in time from presenting the rest of user interface **402**. Field **420** and field **421** are configured for a user to enter information, i.e., user-provided (personal) information pertaining to the user. In some implementations, upon entry of any information in user interface **402**, user interface **402** may be configured to store the information locally, in local electronic storage **130a** (not depicted). Field **423** may be configured to present information to the user, such as, by way of non-limiting example, an organization identifier that identifies a particular organization, a particular query or topic, and a disclaimer stating the user acquiesces to receiving notifications from the particular organization regarding the particular query or topic. Responsive to the user engaging action button **422** (e.g., by clicking on “SUBMIT”), user interface **402** may be configured to initiate one or more transfers of user-provided information (e.g., as collected by user interface **402**, and/or as retrieved from local electronic storage **130a**) to one or more servers **102** (not depicted). In some implementations, the presentation of user interface **401** may be configured to forestall and/or otherwise delay the presentation of user interface **402** until a particular occurrence (e.g., entry of a particular item of personal information, the use of a particular graphical user interface element such as a “NEXT” button or an “OK” button, and/or other occurrences). In some implementations, user interface **402** is not presented until the first item of user-provided information has been collected by user interface **401**. For example, presenting user interface **402** may remove, hide, and/or otherwise obscure user interface **401** (e.g., by overlaying). In other implementations, user interface **401** and user interface **402** may be presented at the same time such that both are visible and usable by the user. By virtue of using the separate action buttons, the user provides incremental permissions, and the individual permissions may pertain to different queries/topics as well as different organizations.

User-info component **112** may be configured to receive information from one or more client computing platforms **104**, e.g., via a communications network. For example, the information received by user-info component **112** may be (based on) the information transferred by the one or more transfers as initiated by a particular subset of information and/or content. In some implementations, the received information includes information regarding the user-provided permission for the one or more transfers. In some implementations, the received information further includes one or more items of user-provided information, organization identifiers, queries, topics, disclaimers, information regarding user-provided and/or query-specific permissions, and/or other information. For example, the received information may include a timestamp and/or other information pertaining to the detected user-initiated event, as described above.

Interface component **114** may be configured to transmit user-initiated requests from one or more client computing platforms **104**, via a communications network, to one or more servers **102**. An individual user-initiated request may request one or more webpages. In some implementations, interface component **114** may be configured to receive a set of information and/or content (particularly, in response to a user-initiated request). For example, the set of information may be usable to generate presentations of the one or more webpages on client computing platform **104**. For example, the set of information may include subsets of content usable to generate and/or present presentations as described elsewhere in this disclosure.

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Presentation component **116** may be configured to generate and/or present presentations. For example, a particular presentation may be based on information received by interface component **114**. Presentations may include one or more user interfaces, e.g., interfaces **125**. For example, a particular presentation may collect one or more items of user-provided (personal) information pertaining to a user. Alternatively, and/or simultaneously, the particular presentation may present at least one of a particular organization identifier, a particular query or topic, a particular disclaimer, and/or other information. In some implementations, presentation component **116** may be configured to store information locally, in local electronic storage **130a**. For example, the stored information may include the user-provided information as collected through a user interface.

Permission component **118** may be configured to detect events and/or collect information. For example, permission component **118** may detect a user-initiated event, including but not limited to an event in a user interface that indicates (user-provided) permission from the user to transfer one or more items of user-provided (personal) information to one or more servers **102**. For example, permission component **118** may collect information indicating (user-provided) permission from the user to transfer one or more items of user-provided (personal) information and/or other information to one or more servers **102**. Permissions may be limited in scope and/or context, e.g., to a particular query or topic, and/or to a particular organization. Permission component **118** may be configured to initiate one or more transfers of user-provided information to one or more servers **102** (e.g., subsequent to a user providing permission(s) for the one or more transfers).

Information regarding permissions may be stored, e.g., in electronic storage **130** and/or in other types of storage. In some implementations, a storage component may be configured to store and/or retrieve information in electronic storage, including but not limited to electronic storage **130**. For example, certain permissions may be organized in database **130x** for future access. Database **130x** (which may, for example, be part of electronic storage **130**) may be queried for the current status of a particular user's permissions. In some cases, database **130x** may be queried (by way of non-limiting example, by permission component **118**) for an overview of certain permissions pertaining to a particular user.

In some implementations, permission component **118** may be configured to use locally stored information (e.g., as collected using a particular webpage) to populate fields and/or forms in a presentation of a different webpage. For example, the permission provided by the user may be construed to allow future local use in populating different fields and/or forms for different webpages. In some implementations, permission component **118** may be configured to use information stored on the server-side (e.g., as received previously from a client computing platform **104**) to populate fields and/or forms in a presentation of a particular webpage (even if the user has not used the particular webpage before). For example, the permission previously provided by the user may be construed to allow future use in populating different fields and/or forms for particular webpages.

Referring to FIG. 1, user interfaces **125** may be configured to facilitate interaction between users **123** and system **100** and/or between users **123** and client computing platforms **104**. For example, user interfaces **125** may provide an interface through which users **123** may provide information to and/or receive information from system **100**, and/or vice

versa. In some implementations, user interface **125** may include one or more of a display screen, touchscreen, monitor, a keyboard, buttons, switches, knobs, levers, mouse, microphones, sensors to capture voice commands, sensors to capture body movement, sensors to capture hand and/or finger gestures, and/or other user interface devices configured to receive and/or convey user input. In some implementations, one or more user interfaces **125** may be included in one or more client computing platforms **104**. In some implementations, one or more user interfaces **125** may be included in system **100**.

Referring to FIG. 1, in some implementations, server(s) **102**, client computing platform(s) **104**, and/or external resources **138** may be operatively linked via one or more electronic communication links. For example, such electronic communication links may be established, at least in part, via one or more networks **13** such as the Internet and/or other networks. It will be appreciated that this is not intended to be limiting, and that the scope of this disclosure includes implementations in which server(s) **102**, client computing platform(s) **104**, and/or external resources **138** may be operatively linked via some other communication media.

A given client computing platform **104** may include one or more processors configured to execute computer program components. The computer program components may be configured to enable an expert or user associated with the given client computing platform **104** to interface with system **100** and/or external resources **138**, and/or provide other functionality attributed herein to client computing platform(s) **104**. By way of non-limiting example, the given client computing platform **104** may include one or more of a desktop computer, a laptop computer, a handheld computer, a tablet computing platform, a NetBook, a Smartphone, a gaming console, and/or other computing platforms. In some implementations, individual client computing platforms **104** may be configured to determine geolocation information for a current location of the individual client computing platforms **104**. For example, an individual client computing platform **104** may include a geolocation sensor (e.g., a Global Positioning System or GPS device). The geolocation sensor may be configured to generate output signals conveying GPS information (e.g., a set or range of GPS coordinates) and/or other geolocation information, which may be used by the individual client computing platform **104** to determine the current location of the individual client computing platform **104**.

External resources **138** may include sources of information outside of system **100**, external entities participating with system **100** (including third parties such as external web-servers for different organizations), external providers of computation and/or storage services (e.g., a publicly accessible server external to system **100**), and/or other resources. In some implementations, external resources **138** may include one or more online service providers configured to notify a particular set of users, e.g., on behalf of a particular set of organizations. In some implementations, some or all of the functionality attributed herein to external resources **138** may be provided by resources included in system **100**.

Server(s) **102** may include communication lines, or ports to enable the exchange of information with a network and/or other computing platforms. Illustration of server(s) **102** in FIG. 1 is not intended to be limiting. Server(s) **102** may include a plurality of hardware, software, and/or firmware components operating together to provide the functionality attributed herein to server(s) **102**. For example, server(s) **102**

may be implemented by a cloud of computing platforms operating together as server(s) **102**.

Electronic storage **130** may comprise non-transitory storage media that electronically stores information. The electronic storage media of electronic storage **130** may include one or both of system storage that is provided integrally (i.e., substantially non-removable) with server(s) **102** and/or removable storage that is removably connectable to server(s) **102** via, for example, a port (e.g., a USB port, a firewire port, etc.) or a drive (e.g., a disk drive, etc.). Electronic storage **130** may include one or more of optically readable storage media (e.g., optical disks, etc.), magnetically readable storage media (e.g., magnetic tape, magnetic hard drive, floppy drive, etc.), electrical charge-based storage media (e.g., EEPROM, RAM, etc.), solid-state storage media (e.g., flash drive, etc.), and/or other electronically readable storage media. Electronic storage **130** may include one or more virtual storage resources (e.g., cloud storage, a virtual private network, and/or other virtual storage resources). Electronic storage **130** may store software algorithms, information determined by processor(s) **132**, information received from server(s) **102**, information received from client computing platform(s) **104**, and/or other information that enables server(s) **102** to function as described herein. Local electronic storage **130a** may be similar to electronic storage **130** as described elsewhere in this disclosure.

Processor(s) **132** may be configured to provide information processing capabilities in server(s) **102**. As such, processor(s) **132** may include one or more of a digital processor, an analog processor, a digital circuit designed to process information, an analog circuit designed to process information, a state machine, and/or other mechanisms for electronically processing information. Although processor(s) **132** is shown in FIG. 1 as a single entity, this is for illustrative purposes only. In some implementations, processor(s) **132** may include a plurality of processing units. These processing units may be physically located within the same device, or processor(s) **132** may represent processing functionality of a plurality of devices operating in coordination. Processor(s) **132** may be configured to execute components **108**, **110**, **112**, **114**, **116**, and/or **118**, and/or other components. Processor(s) **132** may be configured to execute components **108**, **110**, **112**, **114**, **116**, and/or **118**, and/or other components by software; hardware; firmware; some combination of software, hardware, and/or firmware; and/or other mechanisms for configuring processing capabilities on processor(s) **132**. As used herein, the term "component" may refer to any component or set of components that perform the functionality attributed to the component. This may include one or more physical processors during execution of processor-readable instructions, the processor readable-instructions, circuitry, hardware, storage media, or any other components.

It should be appreciated that although components **108**, **110**, **112**, **114**, **116**, and/or **118** are illustrated in FIG. 1 as being implemented within a single processing unit, in implementations in which processor(s) **132** includes multiple processing units, one or more of components **108**, **110**, **112**, **114**, **116**, and/or **118** may be implemented remotely from the other components. The description of the functionality provided by the different components **108**, **110**, **112**, **114**, **116**, and/or **118** described below is for illustrative purposes only, and is not intended to be limiting, as any of components **108**, **110**, **112**, **114**, **116**, and/or **118** may provide more or less functionality than is described. For example, one or more of components **108**, **110**, **112**, **114**, **116**, and/or **118** may be eliminated, and some or all of its functionality may be

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provided by other ones of components **108**, **110**, **112**, **114**, **116**, and/or **118**. As another example, processor(s) **132** may be configured to execute one or more additional components that may perform some or all of the functionality attributed below to one of components **108**, **110**, **112**, **114**, **116**, and/or **118**.

FIG. 2 and FIG. 3 illustrate a method **200** and a method **300**, respectively, of obtaining incremental query-specific user-provided permissions, in accordance with one or more implementations. The operations of method **200** and method **300** presented below are intended to be illustrative. In some implementations, method **200** and/or method **300** may be accomplished with one or more additional operations not described, and/or without one or more of the operations discussed. Additionally, the order in which the operations of method **200** are illustrated in FIG. 2 and the operations of method **300** are illustrated in FIG. 3 and described below is not intended to be limiting.

In some implementations, method **200** and/or method **300** may be implemented in one or more processing devices (e.g., a digital processor, an analog processor, a digital circuit designed to process information, an analog circuit designed to process information, a state machine, and/or other mechanisms for electronically processing information). The one or more processing devices may include one or more devices executing some or all of the operations of method **200** and method **300** in response to instructions stored electronically on an electronic storage medium. The one or more processing devices may include one or more devices configured through hardware, firmware, and/or software to be specifically designed for execution of one or more of the operations of method **200** and method **300**.

Regarding method **200**, at an operation **202**, a user-initiated request is received, via a communications network, from a client computing platform for one or more webpages. The client computing platform is associated with a user. The client computing platform may include local electronic storage that electronically stores information. In some embodiments, operation **202** is performed by a request component the same as or similar to request component **108** (shown in FIG. 1 and described herein).

At an operation **204**, responsive to receipt of the user-initiated request, a set of information is transferred to the client computing platform. The set of information is usable to generate one or more presentations of the one or more webpages on the client computing platform. The set of information includes a first and second subset of content. A first subset of content is usable to generate and/or present a first presentation on the client computing platform. The first presentation collects or presents a first item of user-provided personal information pertaining to the user. The first presentation presents at least one of a first organization identifier that identifies a first organization, a first query or a first topic, and/or a disclaimer. The first presentation collects a first indication of a first user-provided permission to transfer the first item of user-provided personal information pertaining to the user. The first subset of content initiates a first transfer of first information, including the first item of user-provided personal information.

The second subset of content is usable to generate and/or present a second presentation on the client computing platform. The second presentation collects or presents a second item of user-provided personal information pertaining to the user. The second presentation presents at least one of a second organization identifier that identifies a second organization, a second query or a second topic, and/or a second disclaimer. The second presentation collects a second indi-

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cation of a second user-provided permission to transfer the second item of user-provided personal information pertaining to the user. The second subset of content initiates a second transfer of second information, including the second item of user-provided personal information. In some embodiments, operation **204** is performed by a transfer component the same as or similar to transfer component **110** (shown in FIG. 1 and described herein).

At an operation **206**, the first transfer including the first item of user-provided information is received (at server-side) from the client computing platform, via the communications network. In some embodiments, operation **206** is performed by a user-info component the same as or similar to user-info component **112** (shown in FIG. 1 and described herein).

At an operation **208**, the second transfer including the second item of user-provided information is received (at server-side) from the client computing platform, via the communications network. In some embodiments, operation **208** is performed by a user-info component the same as or similar to user-info component **112** (shown in FIG. 1 and described herein).

Regarding method **300** of FIG. 3, at an operation **302**, a first presentation is presented on a client computing platform associated with a user. The first presentation (i) collects or presents a first item of user-provided personal information pertaining to the user, (ii) presents at least one of (a) a first organization identifier that identifies a first organization, (b) a first query or a first topic, and/or (c) a disclaimer, and (iii) collects a first indication of a first user-provided permission for a first transfer of first information. In some embodiments, operation **302** is performed by a presentation component the same as or similar to presentation component **116** (shown in FIG. 1 and described herein).

At an operation **304**, responsive to collecting the first indication, the first transfer of first information is initiated. The first information is based on at least one of (i) the first item of user-provided personal information pertaining to the user, (ii) the first organization identifier, and/or (iii) the first query or the first topic. In some embodiments, operation **304** is performed by a permission component the same as or similar to permission component **118** (shown in FIG. 1 and described herein).

At an operation **306**, a second presentation is presented on the client computing platform. The second presentation (i) collects or presents a second item of user-provided personal information pertaining to the user, (ii) presents at least one of (a) a second organization identifier that identifies a second organization, (b) a second query or a second topic, (c) a second disclaimer, and (iii) collects a second indication of a second user-provided permission for a second transfer of second information. In some embodiments, operation **306** is performed by a presentation component the same as or similar to presentation component **116** (shown in FIG. 1 and described herein).

At an operation **308**, responsive to collection of the second indication, a second transfer of the second information is initiated. The second information is based on at least one of (i) the second item of user-provided personal information pertaining to the user, (ii) the second organization identifier, and/or (iii) the second query or the second topic. In some embodiments, operation **308** is performed by a permission component the same as or similar to permission component **118** (shown in FIG. 1 and described herein).

Although the present technology has been described in detail for the purpose of illustration based on what is currently considered to be the most practical and preferred

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implementations, it is to be understood that such detail is solely for that purpose and that the technology is not limited to the disclosed implementations, but, on the contrary, is intended to cover modifications and equivalent arrangements that are within the spirit and scope of the appended claims. It is to be understood that the present technology contemplates that, to the extent possible, one or more features of any implementation can be combined with features of any other implementation.

What is claimed is:

1. A system configured to obtain incremental query-specific user-provided permissions, the system comprising: one or more servers including one or more processors configured by machine-readable instructions to:
 - receive, via a communications network, a user-initiated request from a client computing platform for one or more webpages, wherein the client computing platform is associated with a user;
 - responsive to receipt of the user-initiated request, transfer a set of information to the client computing platform, wherein the set of information is usable to generate one or more presentations of the one or more webpages on the client computing platform, wherein the set of information includes:
 - (i) a first subset of content usable to generate and/or present a first presentation on the client computing platform, wherein the first presentation is configured to (a) collect or present a first item of user-provided personal information pertaining to the user, (b) present at least one of a first organization identifier that identifies a first organization, a first query or a first topic, and/or a disclaimer, and (c) collect a first indication of a first user-provided permission to transfer the first item of user-provided personal information pertaining to the user, wherein the first subset of content is further configured to initiate a first transfer of first information;
 - (ii) a second subset of content usable to generate and/or present a second presentation on the client computing platform, wherein the second presentation is configured to (a) collect or present a second item of user-provided personal information pertaining to the user, (b) present at least one of a second organization identifier that identifies a second organization, a second query or a second topic, and/or a second disclaimer, and (c) collect a second indication of a second user-provided permission to transfer the second item of user-provided personal information pertaining to the user, wherein the second subset of content is further configured to initiate a second transfer of second information;
 - receive, from the client computing platform and via the communications network, the first transfer of the first information, wherein the first information is based on at least one of (i) the first item of user-provided personal information pertaining to the user, (ii) the first organization identifier, and/or (iii) the first query or the first topic; and
 - receive, from the client computing platform and via the communications network, the second transfer of the second information, wherein the second information is based on at least one of (i) the second item of user-provided personal information pertaining to the user, (ii) the second organization identifier, and/or (iii) the second query or the second topic.

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2. The system of claim 1, wherein the set of information includes executable content configured to be executed by the client computing platform through one or more browser applications.

3. The system of claim 1, wherein the user-initiated request is received at a network location corresponding to the one or more webpages.

4. The system of claim 1, wherein the user-initiated request is a HyperText Transfer Protocol (HTTP) request sent through a browsing application executing on the client computing platform.

5. The system of claim 1, wherein the first presentation includes a first form with a first field configured for entry of the first item of user-provided personal information pertaining to the user, and wherein the second presentation includes a second form with a second field configured for entry of the second item of user-provided personal information pertaining to the user.

6. The system of claim 1, wherein the first transfer is initiated using an asynchronous HyperText Transfer Protocol (HTTP) instruction that does not require a response from the one or more servers.

7. The system of claim 1, wherein the first presentation is configured to detect a first action by the user, and wherein responsive to detection of the first action, the second presentation is presented.

8. The system of claim 1, wherein initiation of the first transfer includes accessing and/or retrieving the first item of user-provided personal information from local electronic storage included in the client computing platform.

9. The system of claim 1, wherein the first user-provided permission indicates the user acquiesces to a transfer of the first item of user-provided personal information pertaining to the user to the first organization or to an organization affiliated with the first organization.

10. A method of obtaining incremental query-specific user-provided permissions, the method comprising:

receiving, via a communications network, a user-initiated request from a client computing platform for one or more webpages, wherein the client computing platform is associated with a user;

responsive to receipt of the user-initiated request, transferring a set of information to the client computing platform, wherein the set of information is usable to generate one or more presentations of the one or more webpages on the client computing platform, wherein the set of information includes:

(i) a first subset of content usable to generate and/or present a first presentation on the client computing platform, wherein the first presentation (a) collects or presents a first item of user-provided personal information pertaining to the user, (b) presents at least one of a first organization identifier that identifies a first organization, a first query or a first topic, and/or a disclaimer, and (c) collects a first indication of a first user-provided permission to transfer the first item of user-provided personal information pertaining to the user, wherein the first subset of content further initiates a first transfer of first information;

(ii) a second subset of content usable to generate and/or present a second presentation on the client computing platform, wherein the second presentation (a) collects or presents a second item of user-provided personal information pertaining to the user, (b) presents at least one of a second organization identifier that identifies a second organization, a second query or a second topic, and/or a second disclaimer, and (c)

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collects a second indication of a second user-provided permission to transfer the second item of user-provided personal information pertaining to the user, wherein the second subset of content further initiates a second transfer of second information; 5
 receiving, from the client computing platform and via the communications network, the first transfer of the first information, wherein the first information is based on at least one of:
 (i) the first item of user-provided personal information 10
 pertaining to the user,
 (ii) the first organization identifier, and/or
 (iii) the first query or the first topic; and
 receiving, from the client computing platform and via the 15
 communications network, the second transfer of the second information, wherein the second information is based on at least one of:
 (i) the second item of user-provided personal information 20
 pertaining to the user,
 (ii) the second organization identifier, and/or
 (iii) the second query or the second topic.

11. The method of claim 10, wherein the set of information includes executable content that is executable by the client computing platform through one or more browser applications. 25

12. The method of claim 10, wherein the user-initiated request is received at a network location corresponding to the one or more webpages, and wherein the user-initiated request is a HyperText Transfer Protocol (HTTP) request sent through a browsing application executing on the client 30
 computing platform.

13. The method of claim 10, wherein the first item of user-provided personal information pertaining to the user is personally identifiable information (PII) including one or more of a name of the user, an email address of the user, 35
 and/or a phone number of the user.

14. The method of claim 10, wherein the first presentation includes a first form with a first field to enter the first item of user-provided personal information pertaining to the user, and wherein the second presentation includes a second form with a second field to enter the second item of user-provided 40
 personal information pertaining to the user.

15. The method of claim 10, wherein the first transfer is initiated using an asynchronous HyperText Transfer Protocol (HTTP) instruction that does not require a response from the one or more servers. 45

16. The method of claim 10, wherein the first presentation detects a first action by the user, and wherein responsive to detection of the first action, the second presentation is 50
 presented.

17. The method of claim 10, wherein initiation of the transfer includes accessing and/or retrieving the first item of user-provided personal information and the second item of user-provided personal information from local electronic storage included in the client computing platform. 55

18. The method of claim 10, wherein the first user-provided permission indicates the user acquiesces to notifications using the first item of user-provided personal information pertaining to the user by the first organization or by an organization affiliated with the first organization. 60

19. A system configured to obtain incremental query-specific user-provided permissions, the system comprising: one or more processors configured by machine-readable instructions to:

present a first presentation on a client computing platform 65
 associated with a user, wherein the first presentation is configured to:

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(i) collect or present a first item of user-provided personal information pertaining to the user,
 (ii) present at least one of (a) a first organization identifier (company name) that identifies a first organization, (b) a first query or a first topic, and/or (c) a disclaimer, and
 (iii) collect a first indication of a first user-provided permission for a first transfer of first information; responsive to collection of the first indication, initiate the first transfer of first information, wherein the first information is based on at least one of (i) the first item of user-provided personal information pertaining to the user, (ii) the first organization identifier, and/or (iii) the first query or the first topic;

present a second presentation on the client computing platform, wherein the second presentation is configured to:

(i) collect or present a second item of user-provided personal information pertaining to the user,
 (ii) present at least one of (a) a second organization identifier that identifies a second organization, (b) a second query or a second topic, (c) a second disclaimer, and
 (iii) collect a second indication of a second user-provided permission for a second transfer of second information; and

responsive to collection of the second indication, initiate a second transfer of the second information, wherein the second information is based on at least one of (i) the second item of user-provided personal information pertaining to the user, (ii) the second organization identifier, and/or (iii) the second query or the second topic.

20. A method of obtaining incremental query-specific user-provided permissions, the method comprising:

presenting a first presentation on a client computing platform associated with a user, wherein the first presentation (i) collects or presents a first item of user-provided personal information pertaining to the user, (ii) presents at least one of (a) a first organization identifier that identifies a first organization, (b) a first query or a first topic, and/or (c) a disclaimer, and (iii) collects a first indication of a first user-provided permission for a first transfer of first information;

responsive to collecting the first indication, initiating the first transfer of first information, wherein the first information is based on at least one of (i) the first item of user-provided personal information pertaining to the user, (ii) the first organization identifier, and/or (iii) the first query or the first topic;

presenting a second presentation on the client computing platform, wherein the second presentation (i) collects or presents a second item of user-provided personal information pertaining to the user, (ii) presents at least one of (a) a second organization identifier that identifies a second organization, (b) a second query or a second topic, (c) a second disclaimer, and (iii) collects a second indication of a second user-provided permission for a second transfer of second information; and

responsive to collection of the second indication, initiating a second transfer of the second information, wherein the second information is based on at least one of (i) the second item of user-provided personal information pertaining to the user, (ii) the second organization identifier, and/or (iii) the second query or the second topic.

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