CLAIMS

~~1. A method comprising:~~

~~providing a user interface to a remote client device via a network for completing a checkout transaction, the user interface including an options category associated with the checkout transaction, the options category having an associated set of checkout options;~~

~~transmitting queries associated with respective ones of the checkout options via the network, at least one of the transmitted queries being transmitted to a remote third-party server, wherein selection of one of the checkout options is required to complete the checkout transaction;~~

~~determining, based on a threshold cut-off time for receiving a response to the queries, one or more of the checkout options as a first set of options and others of the checkout options as a second set of options;~~

~~sending an indication to the remote client device to update the user interface to display at least one of the first set of options after receipt of a reply to one or more of the requests and prior to display of the second set of options;~~

~~sending an indication to the remote client device to display a selectable user interface element on the user interface, wherein all of the second set of options are hidden from display prior to selection of the selectable user interface element; and~~

~~enabling completion of the checkout transaction using one of the at least one of the first set of options displayed on the user interface, prior to receiving responses from respective queries for all of the second set of options.~~

~~2. The method of claim 1, wherein the first set of options are quick-loading options, and the second set of options are slow-loading options, wherein the quick-loading options load faster than the slow-loading options.~~

~~3. The method of claim 1 or 2, further comprising:~~

automatically selecting one of the at least one of the first set of options displayed as a default option, and

responsive to selection of the option to complete the checkout transaction, triggering completion of the checkout transaction using the default option.

4. The method of claim 2, further comprising:

responsive to selection of the selectable user interface element at the remote client device, sending an indication to the remote user device to update the user interface to:

display any remaining quick-loading options;

display a loading indicator for the slow-loading options when responses from the respective queries have not all been received; or

display the slow-loading options for which responses from the respective queries have all been received.

5. The method of any of the preceding claims, further comprising:

detecting a trigger event and, in response, causing the system to transmit the queries for checkout options.

6. The method of claim 5, wherein the options category relates to shipping and the trigger event is receipt of a shipping address.

7. The method of claim any of the preceding claims, wherein the determining is further based on

historical measurements for receiving a response from similar queries;

analysis of network communications and/or fulfilment network configurations related to each query; or

a merchant configuration.

8. The method of claim 2, further comprising:

~~identifying faster and slower loading options of the slow-loading options, wherein the slower slow-loading options require more time to receive a response from the respective query than the faster slow-loading options; and~~

~~responsive to selection of the selectable user interface element:~~

~~displaying any remaining quick-loading options; and~~

~~displaying the faster slow-loading options after receiving responses from respective queries for the faster slow-loading options, prior to displaying the slower slow-loading options.~~

~~9. A system comprising:~~

~~at least one processor and at least one memory, the at least one memory storing instructions executable by the at least one processor to cause the system to carry out the method of any of the preceding claims.~~

~~10. A computer program that, when executed by a processor, is configured to cause the processor to carry out the method of any of claims 1 to 8.~~

~~11. A computer-readable medium storing instructions that, when executed by a processor of a system, cause the system to carry out the method of any of claims 1 to 8.~~

1. A checkout management system comprising:

at least one processor and at least one memory, the at least one memory storing instructions executable by the at least one processor to cause the checkout management system to:

provide, to a remote client device via a network, a user interface for completing a checkout transaction, the user interface including an options category associated with the checkout transaction, the options category to be populated by an associated two or more checkout options during the checkout transaction;

transmit, via the network, requests to obtain respective ones of the two or more checkout options for populating the options category, at least one of the transmitted requests being transmitted to a remote third-party server of a service

provider providing at least one of the checkout options;

identify, based on response times to the transmitted requests, a subset of the checkout options as a first set of checkout options and one or more others of the checkout options as a second set of checkout options the first set of checkout options being one or more checkout options having response times within a cut-off time and the second set of checkout options being one or more checkout options associated with transmitted requests still awaiting responses by the cut-off time;

after identifying the first set of checkout options, instruct the remote client device to update the user interface at the remote client device, wherein in the updated user interface the options category displays at least one of the checkout options from the first set of checkout options as a selectable checkout option after receipt of a reply to one or more of the requests and prior to display of the second set of checkout options, the second set of checkout options being hidden from display and unselectable in the user interface; and

complete the checkout transaction in communication with a commerce management engine, wherein completion of the checkout transaction includes selecting one of the checkout options from the first set of checkout options displayed on the user interface, prior to receiving responses from the respective requests for all of the second set of checkout options.

2. The checkout management system of claim 1, wherein one option of the first set of checkout options displayed is automatically selected as a default option, and wherein the at least one processor is further configured to execute the instructions to communicate with the checkout management system to:

responsive to selection of an option to complete the checkout transaction, complete the checkout transaction using the default option.

3. The checkout management system of claim 1, wherein the at least one processor is further configured to execute the instructions to cause the checkout management system to:

responsive to selection of a selectable user interface element of the user interface at the remote client device, instruct the remote client device to display any remaining checkout options of the first set of checkout options, and wherein the updated user interface further displays:

a loading indicator for the second set of checkout options when responses from the respective requests have not all been received; or

the second set of checkout options for which responses from the respective requests have all been received.

4. The checkout management system of claim 1, wherein the at least one processor is further configured to execute the instructions to cause the checkout management system to transmit the requests for checkout options in response to detecting a trigger event.

5. The checkout management system of claim 4, wherein the options category relates to shipping and the trigger event is receipt of a shipping address.

6. The checkout management system of claim 1, wherein the cut-off time is one of:

a static cut-off time for receiving a response;

a dynamic cut-off time for receiving a response; or

a historical cut-off time based on historical measurements for receiving a response from similar requests.

7. The checkout management system of claim 6, wherein the cut-off time is the dynamic cut-off time, the dynamic cut-off time being dynamically determined for a customer based on historical response times associated with the customer.

8. The checkout management system of claim 1, wherein the at least one processor is further configured to execute the instructions to cause the checkout management system to:

responsive to selection of a selectable user interface element of the user interface, further instruct the remote client device to update the user interface at the remote client device to:

display any remaining checkout options of the first set of checkout options; and

display at least one checkout option of the second set of checkout options after receiving a response from a respective request for the at least one checkout option of the second set of checkout options, prior to displaying at least one other checkout option of the second set of checkout options that is still

awaiting for a response.

9. The checkout management system of claim 1, wherein, in the updated user interface, the options category displays all of the checkout options from the first set of checkout options prior to display of the second set of checkout options.

10. The checkout management system of claim 1, wherein, in the updated user interface, the options category displays two or more checkout options from the first set of checkout options prior to display of the second set of checkout options, and wherein the two or more checkout options from the first set of checkout options are ranked based on a checkout criterion.

11. A method comprising:

providing, by at least one processor, a user interface to a remote client device via a network for completing a checkout transaction, the user interface including an options category associated with the checkout transaction, the options category to be populated by an associated two or more checkout options during the checkout transaction;

transmitting, by the at least one processor via the network, requests to obtain respective ones of the two or more checkout options for populating the options category, at least one of the transmitted requests being transmitted to a remote third-party server of a service provider providing at least one of the checkout options;

identifying, by the at least one processor, based on response times to the transmitted requests, a subset of the checkout options as a first set of checkout options and one or more others of the checkout options as a second set of checkout options, the first set of checkout options being one or more checkout options having response times within a cut-off time and the second set of checkout options being one or more checkout options associated with transmitted requests still awaiting responses by the cut-off time;

after identifying the first set of checkout options, instructing the remote client device, by the at least one processor, to update the user interface at the remote client device, wherein in the updated user interface the options category displays at least one of the first set of checkout options as a selectable checkout option after receipt of a reply to one or more of the requests and prior to display

of the second set of checkout options, the second set of checkout options being hidden from display and unselectable in the user interface; and

completing the checkout transaction, by the at least one processor in communication with a commerce management engine, wherein completion of the checkout transaction includes selecting one of the at least one of the first set of checkout options displayed on the user interface, prior to receiving responses from the respective requests for all of the second set of checkout options.

12. The method of claim 11, further comprising:

automatically selecting one of the at least one of the first set of checkout options displayed as a default option; and

responsive to selection of an option to complete the checkout transaction, completing the checkout transaction using the default option.

13. The method of claim 11, further comprising:

responsive to selection of a selectable user interface element of the user interface at the remote client device, further instruct the user interface at the remote client device to display any remaining quick checkout options of the first set of checkout options, and wherein the updated user interface further displays:

a loading indicator for the second set of checkout options when responses from the respective requests have not all been received; or

the second set of checkout options for which responses from the respective requests have all been received.

14. The method of claim 11, further comprising:

detecting a trigger event and, in response, causing a checkout management system to transmit the requests for checkout options.

15. The method of claim 14, wherein the options category relates to shipping and the trigger event is receipt of a shipping address.

16. The method of claim 11, wherein the cut-off time is one of:

a static cut-off time for receiving a response;

a dynamic cut-off time for receiving a response; or

a historical cut-off time based on historical measurements for receiving a

response from similar requests.

17. The method of claim 16, wherein the cut-off time is the dynamic cut-off time, the dynamic cut-off time being dynamically determined for a customer based on historical response times associated with the customer.

18. The method of claim 11, further comprising:

responsive to selection of a selectable user interface element of the user interface, further instruct the remote client device to update the user interface at the remote client device to:

display any remaining checkout options of the first set of checkout options; and

display at least one checkout option of the second set of checkout options after receiving a response from a respective request for the at least one checkout option of the second set of checkout options, prior to displaying at least one other checkout option of the second set of checkout options that is still awaiting for a response.

19. The method of claim 11, wherein, in the updated user interface, the options category displays all of the checkout options from the first set of checkout options prior to display of the second set of checkout options.

20. A non-transitory computer-readable medium storing instructions that, when executed by a processor of a checkout management system, cause the checkout management system to:

provide, to a remote client device via a network, a user interface for completing a checkout transaction, the user interface including an options category associated with the checkout transaction, the options category to be populated by an associated two or more checkout options during the checkout transaction;

transmit, via the network, requests to obtain respective ones of the two or more checkout options for populating the options category, at least one of the transmitted requests being transmitted to a remote third-party server of a service provider providing at least one of the checkout options;

identify, based on response times to the transmitted requests, a subset of

the checkout options as a first set of checkout options and one or more others of the checkout options as a second set of checkout options, the first set of checkout options being one or more checkout options having response times within a cut-off time and the second set of checkout options being one or more checkout options associated with transmitted requests still awaiting responses by the cut-off time;

after identifying the first set of checkout options, instruct the remote client device to update the user interface at the remote client device, wherein in the updated user interface the options category displays at least one of the first set of checkout options as a selectable checkout option after receipt of a reply to one or more of the requests and prior to display of the second set of checkout options, the second set of checkout options being hidden from display and unselectable in the user interface; and

complete the checkout transaction, in communication with a commerce management engine, wherein completion of the checkout transaction includes selecting one of the at least one of the first set of checkout options displayed on the user interface, prior to receiving responses from the respective requests for all of the second set of checkout options.