

VERIFIED REVIEWS USING A CONTACTLESS CARD

TECHNICAL FIELD

[0001] Embodiments herein generally relate to computing platforms, and more specifically, to providing verified reviews using a contactless card.

RELATED APPLICATIONS

[0002] This application claims priority to U.S. Patent Application Serial No. 16/514,094, titled “VERIFIED REVIEWS USING A CONTACTLESS CARD” filed on July 17, 2019. The contents of the aforementioned application are incorporated herein by reference in their entirety.

BACKGROUND

[0003] Users often write reviews of products, services, restaurants, and the like. Such reviews are often valuable sources for user sentiment that can be used to improve the quality of associated offerings. However, due to the impact positive reviews have on sales, fake reviews are often posted to boost sales. Similarly, fake reviews may be posted to negatively impact competitor sales. Therefore, users are often unable to trust reviews, as there is uncertainty as to whether the review was written by a person who ate at a restaurant or used the product or service.

SUMMARY

[0003a] According to a first aspect of the present invention, there is provided a method, comprising: receiving, by an application executing on a processor of a device, a request to publish a review for an entity to a review platform; outputting, by the application, an

indication specifying to tap a contactless card to the device to approve the request; receiving, by the application, encrypted data from the contactless card; transmitting, by the application to an authentication server: (i) the encrypted data, (ii) an application identifier of the application, and (iii) an entity identifier associated with the entity; receiving, by the application from the authentication server, indications specifying that the authentication server: (i) decrypted the encrypted data, and (ii) determined that the contactless card was used to make a purchase with the entity; approving, by the application, the request to publish the review based on the indications received from the server; receiving, by the application, input comprising the review for the entity; and publishing, by the application, the review to the review platform by the application based on the indications received from the authentication server.

[0003b] According to a second aspect of the present invention, there is provided a system, comprising: a processor; and a memory storing instructions which when executed by the processor, cause the processor to: receive, by an application executing on the processor, a request to publish a review for an entity to a review platform; output, by the application, an indication specifying to tap a contactless card to the system to approve the request; receive, by the application, encrypted data from the contactless card; transmit, by the application to an authentication server: (i) the encrypted data, (ii) an application identifier of the application, and (iii) an entity identifier associated with the entity; receive, by the application from the authentication server, indications specifying that the authentication server: (i) decrypted the encrypted data, and (ii) determined that the contactless card was used to make a purchase with the entity; approve, by the application, the request to publish the review based on the indications received from the server; receive, by the application, input comprising the review for the entity; and publish, by the application, the review to the review platform by the application based on the indications received from the authentication server.

[0003c] According to a third aspect of the present invention, there is provided a computer-readable storage medium storing instructions which when executed by a

processor of a device cause the processor to: receive, by an application executing on the processor, a request to publish a review for an entity to a review platform; output, by the application, an indication specifying to tap a contactless card to the device to approve the request; receive, by the application, encrypted data from the contactless card; transmit, by the application to an authentication server: (i) the encrypted data, (ii) an application identifier of the application, and (iii) an entity identifier associated with the entity; receive, by the application from the authentication server, indications specifying that the authentication server: (i) decrypted the encrypted data, and (ii) determined that the contactless card was used to make a purchase with the entity; approve, by the application, the request to publish the review based on the indications received from the server; receive, by the application, input comprising the review for the entity; and publish, by the application, the review to the review platform by the application based on the indications received from the authentication server.

[0004] Embodiments disclosed herein provide systems, methods, articles of manufacture, and computer-readable media for providing verified reviews using a contactless card. According to one example, an application may receive an indication

CLAIMS

What is claimed is:

1. A method, comprising:
 - receiving, by an application executing on a processor of a device, a request to publish a review for an entity to a review platform;
 - outputting, by the application, an indication specifying to tap a contactless card to the device to approve the request;
 - receiving, by the application, encrypted data from the contactless card;
 - transmitting, by the application to an authentication server: (i) the encrypted data, (ii) an application identifier of the application, and (iii) an entity identifier associated with the entity;
 - receiving, by the application from the authentication server, indications specifying that the authentication server: (i) decrypted the encrypted data, and (ii) determined that the contactless card was used to make a purchase with the entity;
 - approving, by the application, the request to publish the review based on the indications received from the server;
 - receiving, by the application, input comprising the review for the entity; and
 - publishing, by the application, the review to the review platform by the application based on the indications received from the authentication server.
2. The method of claim 1, further comprising prior to approving the request:
 - receiving, from the contactless card, transaction data for one or more previous transactions for which the contactless card was used to provide payment information; and
 - determining that the entity identifier is specified in the transaction data for the one or more previous transactions, wherein the application approves the request based at least in part on the determination that the entity identifier is specified in the transaction data for the one or more previous transactions.

3. The method of claim 1, further comprising prior to approving the request:
disabling, by the application, a submission element of a graphical user interface (GUI) of the application, the submission element operative to submit reviews for publication when enabled.
4. The method of claim 3, further comprising subsequent to receiving the indications from the server:
enabling, by the application based on the indications received from the authentication server, the submission element of the GUI.
5. The method of claim 1, further comprising:
transmitting, by the application to the contactless card, a review confirmation specifying that the review was published to the review platform;
receiving, by the application from the contactless card, the review confirmation specifying that the review was published to the review platform;
transmitting, by the application to a point of sale device associated with the entity, the received review confirmation specifying that the review was published to the review platform; and
receiving, by the application from the point of sale device based on the review confirmation, an indication of a reward for at least one of: (i) the purchase, and (ii) a subsequent purchase.
6. The method of claim 1, further comprising:
receiving, by the application, a second request to publish a review for a second entity to the review platform;
receiving, by the application, a second encrypted data from the contactless card;
transmitting, by the application to the authentication server: (i) the second encrypted data, (ii) the application identifier of the application, and (iii) an entity identifier associated with the second entity;

receiving, by the application from the authentication server, indications specifying: (i) the authentication server did not decrypt the second encrypted data, and (ii) the authentication server determined that the contactless card was not used to make a purchase with the second entity; and

reject, by the application, the second request to publish the review based on the indications received from the server.

7. The method of claim 6, wherein the application rejects the second request based on the indication specifying the authentication server did not decrypt the second encrypted data and the indication specifying the authentication server determined that the contactless card was not used to make a purchase with the second entity.

8. A system, comprising:

a processor; and

a memory storing instructions which when executed by the processor, cause the processor to:

receive, by an application executing on the processor, a request to publish a review for an entity to a review platform;

output, by the application, an indication specifying to tap a contactless card to the system to approve the request;

receive, by the application, encrypted data from the contactless card;

transmit, by the application to an authentication server: (i) the encrypted data, (ii) an application identifier of the application, and (iii) an entity identifier associated with the entity;

receive, by the application from the authentication server, indications specifying that the authentication server: (i) decrypted the encrypted data, and (ii) determined that the contactless card was used to make a purchase with the entity;

approve, by the application, the request to publish the review based on the indications received from the server;

receive, by the application, input comprising the review for the entity;
and

publish, by the application, the review to the review platform by the application based on the indications received from the authentication server.

9. The system of claim 8, the memory storing instructions which when executed by the processor cause the processor to, prior to approving the request:

receive, from the contactless card, transaction data for one or more previous transactions for which the contactless card was used to provide payment information;
and

determine that the entity identifier is specified in the transaction data for the one or more previous transactions, wherein the application approves the request based at least in part on the determination that the entity identifier is specified in the transaction data for the one or more previous transactions.

10. The system of claim 8, the memory storing instructions which when executed by the processor cause the processor to, prior to approving the request:

disable, by the application, a submission element of a graphical user interface (GUI) of the application, the submission element operative to submit reviews for publication when enabled.

11. The system of claim 10, the memory storing instructions which when executed by the processor cause the processor to, subsequent to receiving the indications from the server:

enable, by the application based on the indications received from the authentication server, the submission element of the GUI.

12. The system of claim 8, the memory storing instructions which when executed by the processor cause the processor to:

transmit, by the application to the contactless card, a review confirmation specifying that the review was published to the review platform;

receive, by the application from the contactless card, the review confirmation specifying that the review was published to the review platform;

transmit, by the application to a point of sale device associated with the entity, the received review confirmation specifying that the review was published to the review platform; and

receive, by the application from the point of sale device based on the review confirmation, an indication of a reward for at least one of: (i) the purchase, and (ii) a subsequent purchase.

13. The system of claim 8, the memory storing instructions which when executed by the processor cause the processor to:

receive, by the application, a second request to publish a review for a second entity to the review platform;

receive, by the application, a second encrypted data from the contactless card;

transmit, by the application to the authentication server: (i) the second encrypted data, (ii) the application identifier of the application, and (iii) an entity identifier associated with the second entity;

receive, by the application from the authentication server, at least one of: (i) an indication specifying the authentication server did not decrypt the second encrypted data, or (ii) an indication specifying the authentication server determined that the contactless card was not used to make a purchase with the second entity; and

reject, by the application, the second request to publish the review based on the at least one indication received from the server.

14. The system of claim 13, wherein the application rejects the second request based on the indication specifying the authentication server did not decrypt the second encrypted data and the indication specifying the authentication server

determined that the contactless card was not used to make a purchase with the second entity.

15. A computer-readable storage medium storing instructions which when executed by a processor of a device cause the processor to:

receive, by an application executing on the processor, a request to publish a review for an entity to a review platform;

output, by the application, an indication specifying to tap a contactless card to the device to approve the request;

receive, by the application, encrypted data from the contactless card;

transmit, by the application to an authentication server: (i) the encrypted data, (ii) an application identifier of the application, and (iii) an entity identifier associated with the entity;

receive, by the application from the authentication server, indications specifying that the authentication server: (i) decrypted the encrypted data, and (ii) determined that the contactless card was used to make a purchase with the entity;

approve, by the application, the request to publish the review based on the indications received from the server;

receive, by the application, input comprising the review for the entity; and

publish, by the application, the review to the review platform by the application based on the indications received from the authentication server.

16. The computer-readable storage medium of claim 15, storing instructions which when executed by the processor cause the processor to, prior to approving the request:

receive, from the contactless card, transaction data for one or more previous transactions for which the contactless card was used to provide payment information; and

determine that the entity identifier is specified in the transaction data for the one or more previous transactions, wherein the application approves the request

based at least in part on the determination that the entity identifier is specified in the transaction data for the one or more previous transactions.

17. The computer-readable storage medium of claim 15, storing instructions which when executed by the processor cause the processor to, prior to approving the request:

disable, by the application, a submission element of a graphical user interface (GUI) of the application, the submission element operative to submit reviews for publication when enabled.

18. The computer-readable storage medium of claim 17, storing instructions which when executed by the processor cause the processor to, subsequent to receiving the indications from the server:

enable, by the application based on the indications received from the authentication server, the submission element of the GUI.

19. The computer-readable storage medium of claim 15, storing instructions which when executed by the processor cause the processor to:

transmit, by the application to the contactless card, a review confirmation specifying that the review was published to the review platform;

receive, by the application from the contactless card, the review confirmation specifying that the review was published to the review platform;

transmit, by the application to a point of sale device associated with the entity, the received review confirmation specifying that the review was published to the review platform; and

receive, by the application from the point of sale device based on the review confirmation, an indication of a reward for at least one of: (i) the purchase, and (ii) a subsequent purchase.

20. The computer-readable storage medium of claim 15, storing instructions which when executed by the processor cause the processor to:

receive, by the application, a second request to publish a review for a second entity to the review platform;

receive, by the application, a second encrypted data from the contactless card;

transmit, by the application to the authentication server: (i) the second encrypted data, (ii) the application identifier of the application, and (iii) an entity identifier associated with the second entity;

receive, by the application from the authentication server, at least one of: (i) an indication specifying the authentication server did not decrypt the second encrypted data, or (ii) an indication specifying the authentication server determined that the contactless card was not used to make a purchase with the second entity; and

reject, by the application, the second request to publish the review based on the at least one indication received from the server.