

Technical Disclosure Commons

Defensive Publications Series

June 2020

Digital Sticky Notes

Yuzhao Ni

Follow this and additional works at: https://www.tdcommons.org/dpubs_series

Recommended Citation

Ni, Yuzhao, "Digital Sticky Notes", Technical Disclosure Commons, (June 15, 2020)
https://www.tdcommons.org/dpubs_series/3322



This work is licensed under a [Creative Commons Attribution 4.0 License](https://creativecommons.org/licenses/by/4.0/).

This Article is brought to you for free and open access by Technical Disclosure Commons. It has been accepted for inclusion in Defensive Publications Series by an authorized administrator of Technical Disclosure Commons.

Digital Sticky Notes

ABSTRACT

Sticky notes are commonly utilized for messages and/or reminders for the author of the note and/or other users. This disclosure describes digital sticky notes that can be shared using a computing device (such as a smart speaker) with other users that have physical access to the device. The digital sticky note enables content sharing and collaboration, without requiring a sign-in to the computing device by other users. A user can create a digital sticky note using a virtual assistant. With user permission, the digital sticky note is made visible on an ambient screen of the smart display to all users and is automatically synchronized with other devices associated with the user account.

KEYWORDS

sticky note; voice assistant; virtual assistant; smart display; smart appliance; smart speaker; digital note

BACKGROUND

Sticky notes are commonly utilized for messages and/or reminders for the author of the note and/or other users. Computing devices such as smart speakers, smart displays, smartphones, smart appliances, wearable devices, etc. are also increasingly utilized for the creation and editing of digital notes. Digital notes are typically private (personal) notes created and/or edited for a user's own review and are sometimes shareable with other users.

DESCRIPTION

This disclosure describes digital sticky notes that can be shared using a computing device (such as a smart speaker) with other users that have physical access to the device. The

digital sticky note enables content sharing and collaboration, without requiring a sign-in to the computing device by other users.

Per techniques of this disclosure, a digital sticky note can be created by any user with physical access to a computing device such as a smart display, smart speaker, smart appliance, etc., if the user permits. With user permission, other users with physical access to the computing device can access the digital sticky note, e.g., view it on a smart display, hear it via a smart speaker, etc.

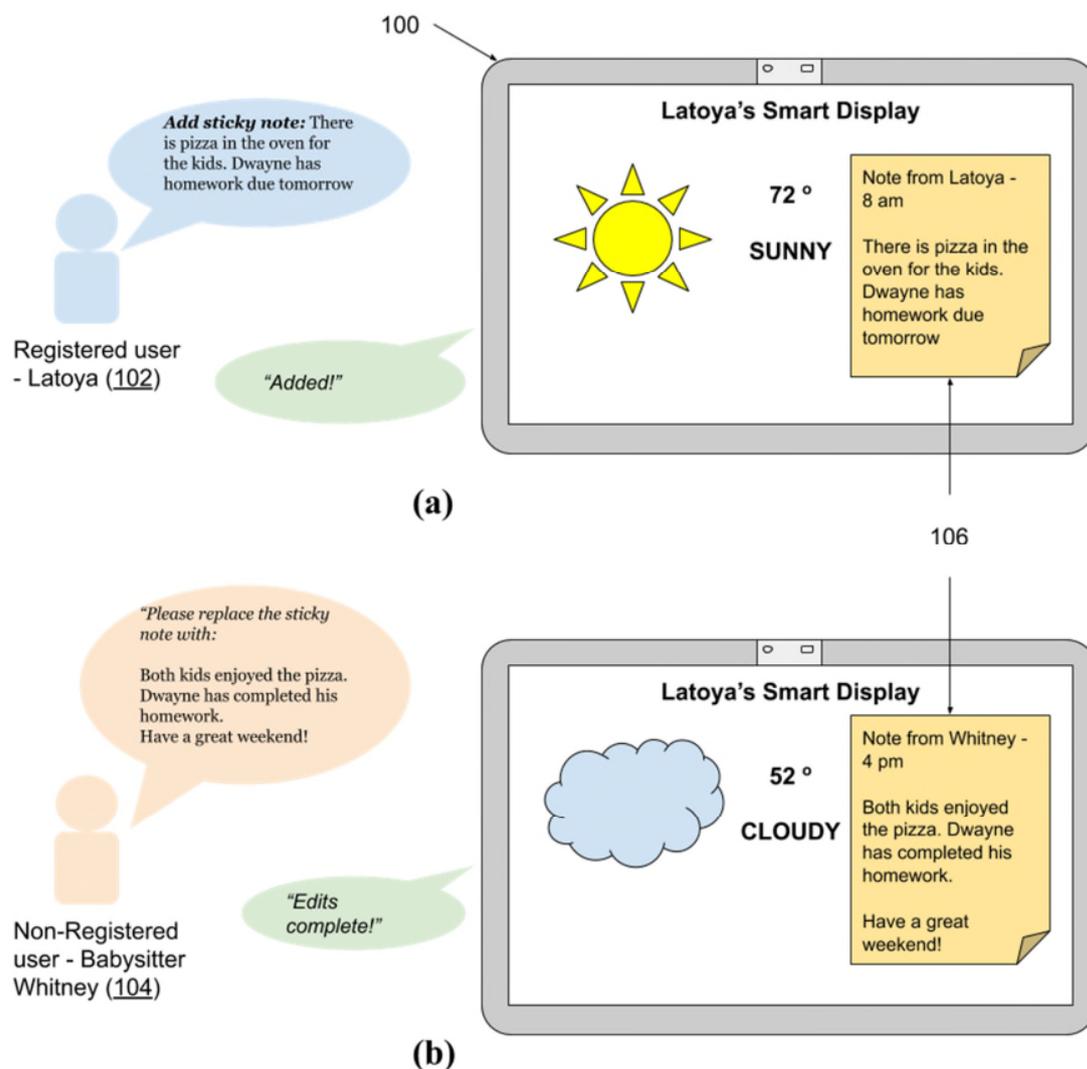


Fig. 1: A digital sticky note can be accessed by other users

Fig. 1 illustrates an example smart display with a digital sticky note, per techniques of this disclosure. In this illustrative example, Fig. 1(a) depicts a registered user (102) of a smart display (100) dictating a note (“Add sticky note: There is pizza in the oven for the kids. Dwayne has homework due tomorrow”) to a virtual assistant (not shown), provided via the smart display.

The virtual assistant interprets the request, and creates a digital sticky note (106), which is displayed on the smart display. The virtual assistant also provides a confirmation to the user (“Added”). The digital sticky note is visible on the ambient screen of the smart display to other users (e.g. other members of the household, household guests, guests in an office lobby, other employees in an office setting, staff working in a house, etc.) with physical access to the smart display.

In this illustrative example, at a subsequent time, a non-registered user (a babysitter) views the digital sticky note. Upon completion of their duties, as depicted in Fig. 1(b), the non-registered user (104) dictates a note (“Please replace the sticky note with: Both kids enjoyed the pizza. Dwayne has completed his homework. Have a great weekend!”) via the smart display.

The virtual assistant interprets the request, replaces the content of the digital sticky note with the newly provided content, and provides confirmation to the non-registered user (“Edits complete!”). The edited digital sticky note is displayed on the screen of the smart display and continues to be visible to users with physical access to the smart display.

With user permission, the digital sticky note can be automatically synchronized across other devices associated with the user account or the household/entity in which the smart display is configured. With user permission, the digital sticky note can be accessed, e.g. viewed, edited, deleted, etc. by other users with access to any of the devices. The digital sticky note can

also be configured as an “action needed” card with an associated visual appearance. The card can be dismissed by a user upon completion of the action. Multiple digital sticky notes can be displayed at the same time, e.g., as a stack.

Further to the descriptions above, a user may be provided with controls allowing the user to make an election as to both if and when systems, programs or features described herein may enable collection of user information (e.g., information about devices associated with a user account, user’s notes,), and if the user is sent content or communications from a server. In addition, certain data may be treated in one or more ways before it is stored or used, so that personally identifiable information is removed. For example, a user’s identity may be treated so that no personally identifiable information can be determined for the user, or a user’s geographic location may be generalized where location information is obtained (such as to a city, ZIP code, or state level), so that a particular location of a user cannot be determined. Thus, the user may have control over what information is collected about the user, how that information is used, and what information is provided to the user.

CONCLUSION

Sticky notes are commonly utilized for messages and/or reminders for the author of the note and/or other users. This disclosure describes digital sticky notes that can be shared using a computing device (such as a smart speaker) with other users that have physical access to the device. The digital sticky note enables content sharing and collaboration, without requiring a sign-in to the computing device by other users. A user can create a digital sticky note using a virtual assistant. With user permission, the digital sticky note is made visible on an ambient screen of the smart display to all users and is automatically synchronized with other devices associated with the user account.