Notification Study:
Survey UI

Purpose

- The purpose of the Survey UI is to:

    - Monitor and log all social application notifications that pass through DBUS

    - Administer survey for 10% of social application notifications including screenshots

    - Store survey data and screenshots in file

- This is the bare minimum necessary for running the notification survey. All other features are "nice to have" but not necessary.

Overview

- For DBUS notifications from a social communication application
  - Log DBUS data
  - For 10% of these notifications
    - Take screenshot of participant's desktop
    - Administer survey

Pre-Survey Details

- Bare minimum

  - Participants will be sent informed consent and demographic survey via email before gaining access to the survey software

- Nice to have

  - Installation UI that will install the survey, administer informed consent, and collect participant demographics through a form

  - Widget in the taskbar to help participants control participation in the survey

  - Way to reset notification preferences so participants all have the same settings

Social Communication Applications

- Bare minimum
    - Check to see if social communication applications are installed from a master application list
    - Monitor all installed social communication applications found
- Nice to have
    - In the Installation UI (described in Pre-Survey Details), allow users to configure what social communication applications they want the study to monitor

List of Social Communication Applications

- Kmail

- Akregator

- Chokoq

- Konversation

- Quassel

- Kopete

- Mail indicator

- Others social apps that provide notifications?

Notification Logging

- Date/Timestamp
- DBUS
  - app_name
  - summary
  - body
  - actions
  - hints
- Window in focus via Kwin
- Idletime (seconds)
- Survey? (yes/no)
- Screenshot? (yes/no)

Periodic Survey

- For 10% of notifications, participant is asked if they want to complete a survey

- If yes:

    - Survey UI is presented to user

    - Screenshot of desktop (at time of notification) is saved

    - Survey data is saved

    - Screenshot and Survey are registered in the log

New Entry Notification

New Entry Dialog

New Diary Entry

Sample notification that was received.

What were you doing at the time of the notification?

[   ]

Did you feel that you needed to respond to the notification?

O Yes   O No   O Not sure

Why or why not? [   ]

Did you respond to the notification?

O Yes, immediately   O Yes, but not right away   O No

Why or why not? [   ]

How would you rate the overall value of the notification?

Not very valuable   O O O O O   Very valuable

How often would you want notifications like this in the future?

O Always   O Sometimes   O Never

Using one word, how would you describe this notification?

[   ]

[Cancel]   [Save]

Data Storage

- .notificationsurvey/

- .notificationsurvey/[user]-logs.csv

- .notificationsurvey/[user]-survey.csv

- .notificationsurvey/screenshots/

- .notificationsurvey/screenshots/screenshot-[datetimestamp].png

Post-Survey Submission

- ## Bare minimum

  - After 4 weeks, participants will receive an email from the researchers that the study is over and they should send their data.

  - Participants will be responsible for reviewing their data and screenshots

  - Participants will gzip the study data file and upload or email it to the researchers

- ## Nice to have

  - Survey will automatically remind the participant that 4 weeks is up and it is time to submit their data

  - User interface to help participants review and upload data to researchers.