2019-03-05 SDL 0206- Widget Proposal Discussion Meeting Minutes

Attendees

- Ford (5 votes): Laura Tonwe, Robin Kurian, Kijtum Shala, Markos Rapitis, Zhimin Yang, Ashwin Karemore
- Luxoft (1 vote): Alex Kutsan
- Livio (Project Maintainer): Joey Grover, Jordyn Mackool, Joel Fischer, Nick Schwab

Note: Action items required from are in red.

The author of the proposal is to make updates based on issue concussions below. Once revisions have been made, the author is to submit the proposal for re-review.

Discussion

Further discuss feedback in comments that have been left on the review issue (Attachment A)

- Issue #1: **Policies, SDL Server, & Developer Portal**
  - Developer Portal Changes: The author is to update the proposal to mention creating a widget parameter permission checkbox when submitting an application to the developer portal (so developers can request widgets). UI will be created by the PM during the implementation process.
  - Policy Server Changes: It was agreed that the author will mention adding a new functional group to the default SDL Server specifying CreateScreen and DeleteScreen as available in HMI_NONE. The OEM will need to update their Policy Server to align with the latest Core version.
    - The author needs to update the proposal to describe these changes as well as the UX ramifications of not following these new defaults (using "Should", not "Must" language) so that OEMs in the future understand why these changes were made and what will happen if they don't follow them.
- Issue #2: **Explicit Widget / App Lifecycle Chart**
  - The author is to include a chart of the widget lifecycle so we can better understand exactly what states go to what states and so forth.
  - It was discussed that the app will stay in HMI_NONE, but the widget will stay in HMI_FULL and outside of an explicit focus they are independent of one another.
  - Policy Server: The author of the proposal shared that the main screen on display, and all RPCs that are not specific to a screen or a display would follow the HMI is the level of the app. A screen would be created to follow the HMI level of the app using show without a specific screen ID. Once the screen ID is used, the HMI level of the target screen is considered for Policies.
  - The author will need to add information on what Core additional changes will need to be made to handle screen-specific parameters that will be sent to different screens to infer from the policy table if an RPC is allowed to be sent (such as Show to a widget in HMI_FULL while the app is in HMI_NONE).
- Issue #3: **RPC Rejection for "Duplicating" Widgets**
  - The author will need to include verbiage stating that the HMI is responsible for rejecting these requests if the widget is supposed to be duplicating data instead, so it is clear what it is an HMI responsibility and not a Core responsibility.
    - The PM is to add this to the SDL HMI guide as developers will need to ensure what the HMI is responsible for rejecting.

- Issue #4: **Display Capabilities for Alternate Screens**
    - The author is to add a new struct called `ScreenCapability` to be used with `GetSystemCapability` and `OnSystemCapability` in the proposal that has an automatic subscription to it. If registered, the register app interface response will deprecate `DisplayCapabilities`, `ButtonCapabilities` and `SoftButtonCapabilities. The reason for this change is to allow the SDL to handle new multiple screen capabilities expanding and changing at runtime in the future.
- Issue #5: **How are Main Screen / Widget RPC Permissions Managed**
    - It was determined that the implementation of RPCs is only available for main screen apps, not widgets and is defined by the rpc_spec not Core.
- Issue #6: **"Duplicate" vs. "Mirror"**
    - There was no defined resolution regarding this issue and it was determined that it would be discussed at a later date.
- Issue #7: **Widget Names**
    - The author is to add `name` string parameter to `CreateScreen`.
        - The widgets would still be in HMI_NONE until they are added to the screen. When statically selecting a widget, the information to differentiate between multiple widgets for a single app would be available.
- Issue #8: **Resuming with Widgets**
    - The author is to add a description to the proposal stating that when an app widget is resumed all the widget content and the screen IDs will be resumed again as well.
- Issue #9: **Cloud App Issues**
    - This is not an issue that would be addressed in the widget proposal itself, but for the knowledge of all SDLC members- the cloud apps are incapable of fixing the policies with HMI_NONE in their current implementation, so there will need to be an update to allow cloud apps that have widgets or app services to register in HMI_NONE instead of waiting for HMI_FULL.
        - The PM is to determine when it makes sense to automatically connect to a cloud app. An additional proposal will need to be put forth.
- Issue #10: **Connection with App Services**
    - There was no defined resolution in regards to this issue and all parties agreed that the PM will add a comment on the proposal issue when it is in review.
        - The is SCLC Steering Committee is to make a decision on if the boolean in `CreateScreen`, e.g. `isPrimaryWidget` should be added or not.