



Media Browser and Player Demo App for AGL Distribution

September 8-9, 2015

Pioneer Corp

Agenda



- Application Features
 - Features List
- UI samples
- Concerns

Media Browser and Player



- Application Features (basic)
 - Media Browser
 - Contents search
 - Partial match retrieval
 - Albums and Songs list, Coverflow
 - Music and video player
 - Play、stop、pause
 - Volume control
 - Media Format
 - Music: MP3、AAC
 - Video: MP4
- Extended Function
 - ※In case of sound manager and sound service work properly
 - Track up/track down、Fast-forward/rewind
 - Select play mode (repeat/random)
 - Fade-in/fade-out、Mute/unmute、Suspend/resume

Media Browser and Player



- Features List (1)

× : Implement
 — : Not implement
 Partial : Partially implement

Item	Name	Memo	Basic	Extend
UI:Music	Albums, Songs List	Design、Animation : TBD	×	×
	Coverflow	Design、Animation : TBD	×	×
	Playback	Time Stamp、Progress Bar、Design : TBD	×	×
UI : Video	Contents list	Design、Animation : TBD	×	×
	Playback	Full-screen	×	×
UI : Search	Search : Input	Need keyboard	×	×
	Search : result	Partial match	×	×
Audio Codecs	MP3		×	×
	AAC		×	×
	VORBIS		—	—
	Windows Media Audio		—	—
Video Codecs	MPEG-4 Part2		×	×
	H.264		×	×
	MPEG-2		—	—
	Theora		—	—
	Windows Media Video		—	—

Media Browser and Player



- Features List (2)

× : Implement
 — : Not implement
 Partial : Partially implement

Item	Name	Memo	Basic	Extend
Media Source	Local strage	SD Card	×	×
		DVD/CD	—	—
	Network Streaming	HTTP/RTPS/Digital Radio (DAB)/ DigitalTV (DVB-T)	—	Partial
User operation	Play/Stop		×	×
	Pause		×	×
	Track up/Track down		—	×
	Fast-forward/Rewind		—	×
	Play mode	Repeat/Random	—	×
	Volume up/down		×	×
Other functions	Fade-in/Fade-out		—	×
	Mute/Unmute		—	×
	Last source memory	Suspend/Resume	—	×
	Back ground play		—	—
	Recording		—	—
	Source mixing		—	—

Media Browser and Player

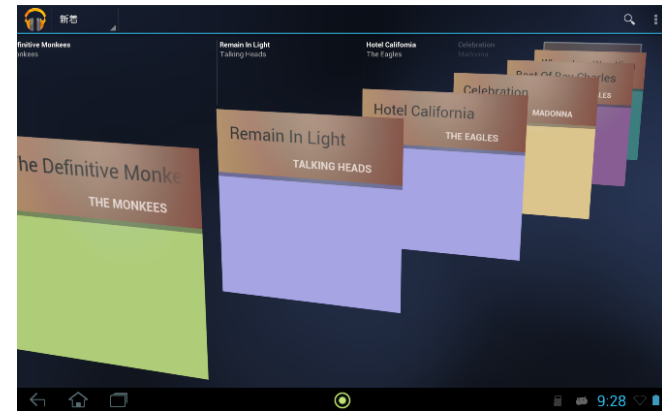


- Media Player UI samples

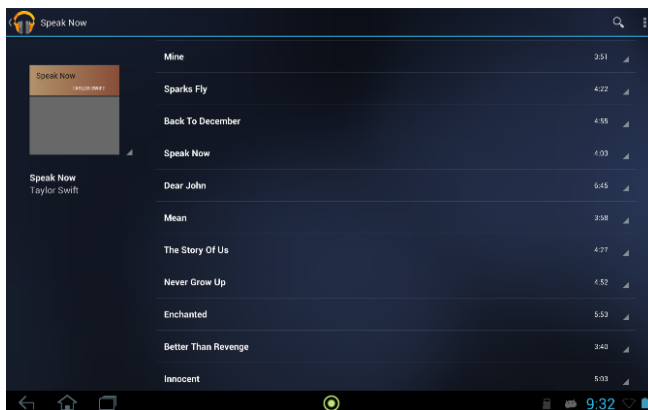
- These are just sample images to understand the application's UI.



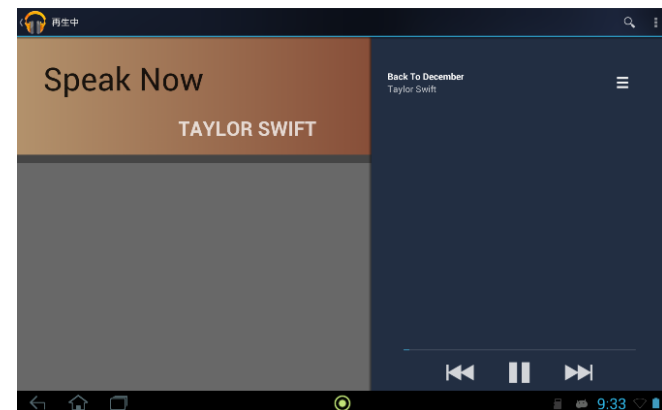
Albums List



Coverflow



Songs List



Playback

Media Browser and Player



- Concerns

- Architecture :TBD
- Unified design among Demo Apps
- GUI performance for animations
- Prepare for demo contents cleared copyright issues
- Available codecs on Porter Board

- Codethink
 - 機能を実現するためにはどのパッケージが必要なのかを明確にする
 - Sound Manager (Genivi?) のAPIを教えてください
- Qt
 - Porter BoardでHWアクセラレータが有効なQtをポーティングできるか?



Thank you!