【AGL】NAVI-EG
Activity plan for this term

November 8th, 2019
Background

NAVI-EG (Goal)

AGL Apps.

- Navi Application
- POI Application

AGL Defined API

- GENIVI-API
  - Extended by Navi-EG
  - AGL Navigation API

AGL Compliant Navi engine

- OSS Navi (GPS-navi)
  - Selectable
- Product Navi

Vendor Extended API

- (1) AGL provides common Navi API.
- (2) AGL scalability should be allowed as long as compatibility allows.
- (3) AGL provides P/F which allows to select OSS or Product Navi.
- (4) AGL provides P/F which allows to select OSS or Product Navi.

AGL Device API

Devices/Middleware
Defining communication system for connecting to external application as D-BUS is not good for security reason, so it is necessary to be reconsider!

→ We reviewed previous output and reconsider activities plan for this term.
Present system configuration (Halibut)

1. Operate UI in POI-Yelp
2. execute the search process in POI-Yelp
3. Display search result to UI in POI-Yelp
4. Send destination to ondemandnavi via Binding

NaviAPI (Binding)

Afb-daemon

DBus

northandnavi

POI-Yelp

Naviapi-agl (lib)

AGL Device API

Devices/Middleware

HTTPS

Yelp

Naviapi-agl(lib) is used to send destination to ondemandnavi
Background

Present system configuration (Halibut)

Issue ①
POI-APIService(Binding)
Is not ready.

Issue ②
POI-Yelp and Ondemandnavi
are not separated UI from
Service.

① Operate UI in POI-Yelp
② execute the search process in POI-Yelp
③ Display search result to UI in POI-Yelp
④ Send destination to ondemandnavi
via Binding

NaviAPI-agl(lib) is used to send
destination to ondemandnavi
Upcoming activities

Development contents

➢ Prototyping the OSS-Navi POI Application
  - Implementing the following features based on previous output.
    ① Separate POI-UI from POI-Service
    ② Create POI-APIService (Binding)

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The OSS-Navi POI Application Prototype
Upcoming activities

Updated configuration plan

1. Operate POI-UI separated from POI-Yelp
2. Call API functions defined in the POI binding and receive results
3. Display search result to POI-UI
4. Send destination to ondemandnavi via Binding

Naviapi-agl(lib) is used to send destination to ondemandnavi

Afb-daemon

NaviAPIService (Binding)

POI-API (Binding)

ondemandnavi

Yelp-client (service)

AGL Device API

Devices/Middleware

Yelp
Updated configuration plan

Point ① Separate POI-UI from POI-Service
※We postponed to separate ondemandnavi-UI from ondemandnavi-Service in this term because it's difficult to separate it.

Point ② Create POI-APIService (Binding)

① Operate POI-UI separated from POI-Yelp
② Call API functions defined in the POI binding and receive results
③ Display search result to POI-UI
④ Send destination to ondemandnavi via Binding