Software requirement specification

(Document analyze requirement)

Home Application

Version 1.1

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Hanoi 14/09/2021

Document history

Version	Editer	Reviewer	Date	Page	Description
1.0	ThangTV	ThanhPB	14-Sept-2021	all	Created
1.1	ThangTV	ThanhPB	28-Sept-2021	all	Updated

Contents

1. INTRODUCE

1.1 Purpose

The purpose of this document is provide a complete and accurate description of Application Home screen. This document can be used to use input for the design and testing documents of Home Application.

1.2 Range of document

This document is defined for the Funix's Home App development requirement.
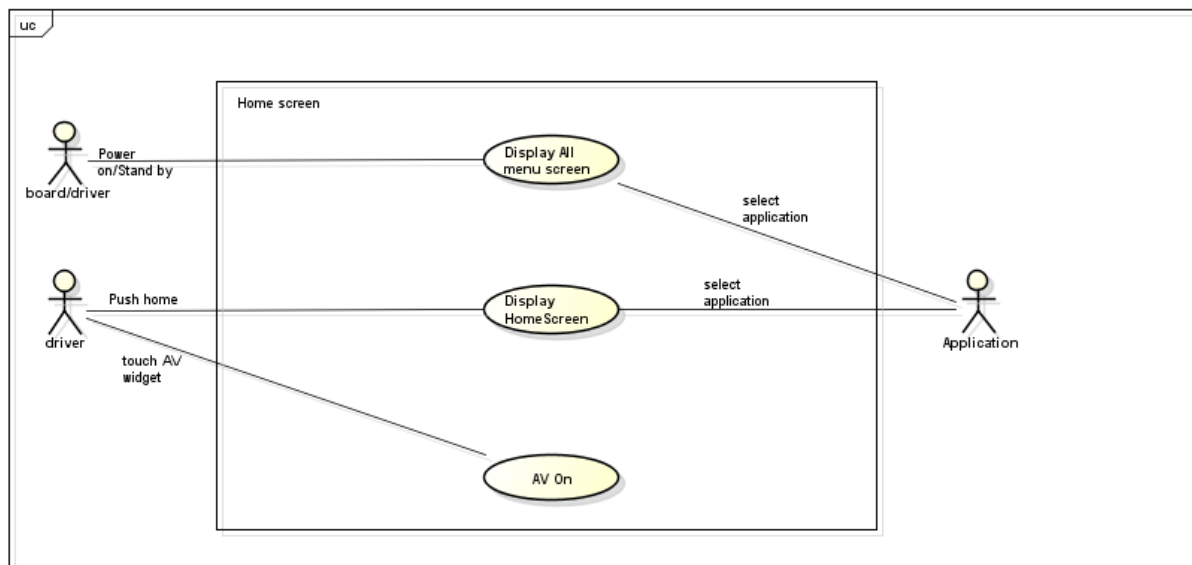
1.3 Audience

FUNiX, Developer, Tester

1.4 Acronyms

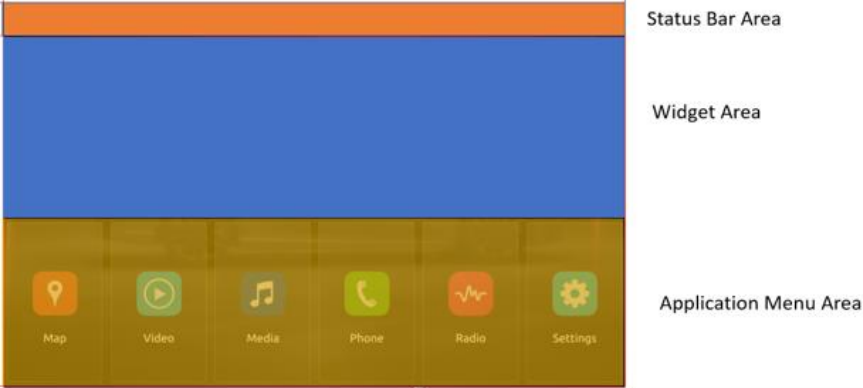SRS: Software Requirement Specification

SW: Software

TBD: To be defined

2.   Use Case Diagram

Hình 1: Use case diagram for Home Application

3. Software Specification requirement

Home_SRS_01:

	Description
Purpose	Proviode layout in Home Application
Actor / Event	User
Requirement	**Require feature:** **Home_SRS_01.1.** The Home UI initialization screen is divided into 3 parts. **Home_SRS_01.2:** The status bar area displays the status time, date information Operating system **Home_SRS_01.3:** Widgets area display app information through widgets(media, climate, map) by realtime. **Home_SRS_01.4:** Application menu area, the displayed application list is sorted by user **Home_SRS_01.5:** Only one item be focus at a time on home screen **Note: detail in UI_project.pdf / UX_project.pdf**

Home_SRS_02:

Term	Description
Purpose	**Application Menu Area**
Actor / Event	**User**
Require	**Require feature:** **Home_SRS_02.1**: Display applications be storage in XML file **Home_SRS_02.2**: An app includes its icon, title. The icon, title of the applications do not duplicate **Home_SRS_02.3**: Application list is displayed when launching the Home Application **Home_SRS_02.4** Up to 6 apps can be displayed on the Apps menu area at the same time **Require non-feature:** **Home_SRS_02.5:** App list display with duration less than 2 seconds, after launching Home App. **Home_SRS_02.6:** All apps are displayed on the Application menu area, which needs to be stored and read from one xml file, used for easy customization by the user **Home_SRS_02.7:** Support multi-language. (English, Korea, Viet Nam) **Note: detail in UI_project.pdf / UX_project.pdf**

Home_SRS_03:

Term	Description
Purpose	**Widgets Area**
Actor / Event	**User**
Require	 • **Home_SRS_03.1:** Display real time information of 3 widgets (map, Climate, Media) • **Home_SRS_03.2:** Display information of car's coordinate on Map widget. • **Home_SRS_03.3**: Display information of Climate widget. - Display title of Climate widget. - Display temperature of driver and passenger compartment. When lowest the temp show is "LOW", when highest then show is "HIGH", and show number with other levels. - Display temperature information outside the vehicle. - Display wind direction for driver and passenger, have 3 modes: foot, floor, foot and floor. - Display level of the fan: 1 -10. - Display AUTO mode with 2 modes ON , OFF. - Display SYNC mode with 2 modes ON, OFF. • **Home_SRS_03.4:** Display real time information of USB music widget - Display title, singer, cover Art , media source of the song. - Displays the position information of the progress bar for the current song. **Note: detail in UI_project.pdf / UX_project.pdf**

Home_SRS_04:

Term	Description
Purpose	Status Bar Area
Actor / Event	User
Require	 • **Home_SRS_04.1:** Display information of time Operation System (time by format hh:mm, mmm:dd) • **Home_SRS_04.2:** Update data after one seconds • **Home_SRS_04.3**: Back button is shown when in apps screen, not home screen. When press it, then back to Home Screen. **Note: detail in UI_project.pdf / UX_project.pdf**

Home_SRS_05:

Term	Description
Purpose	**Description of interaction on home screen**
Actor / Event	**User**
Require	**Home_SRS_05.1:** The list apps can be shown by scrollable when more 6 apps. **Home_SRS_05.2:** User can be changes position(re-order) app's icon in list apps. **Home_SRS_05.3**: The list App's icon and widgets have 3 state: normal, press and focus. **Home_SRS_05.4**: Touch on app's icon or widgets to open application. **Home_SRS_05.5**: Focus list app's icon, widgets. - Press the **left key** to move the focus left in the app. - Press the **right key** to move the focus right in the app. - Press the **down key** to move the focus down in the app. - Press the **up key** to move the focus upwards in the app. **Homse_SRS_05.06:** Press hard keys to open application - Press **the 1 key** to open Map application. - Press **the 2 key** to open Climate application. - Press **the 3 key** to open USB music application. - Press **the Enter key** open apps icon or widgets be focus. **Home_SRS_05.7:** Press hard key to close application - Press the ESC key to close the application screen, then back to the home **Home_SRS_05.8:** The Scrollbar can be shown when list app more 6. **Note: detail in UI_project.pdf / UX_project.pdf**