External specification document for IMAP

Introduction

IMAP is an application that aim to provide information to help student to find their way on the campus. It is a mobile application. This is the ESD of the Andoid's platform vertion.

In this section are provided all the information needed to understand this document.

Database architecture



Place can be both railway station, commerce or school.

A « School » is a « Place » who got special atribute, it has a logo and many services linked to it. (Secrétériat, bureau de comunication, Bug buster) the information of a shcool be accesible only by student of this school. The information about places can be acesible by anyone. Acordingly a school can be consulted rather on 'place data' screen or on the 'shool data screen'where there is additional information.

The dataState contextual vaiable.

This section is nesesary to understand the feedback function. Etch time imag will be lachuned a state variable will be instenciated.

The state variable aim to store all the information related to:

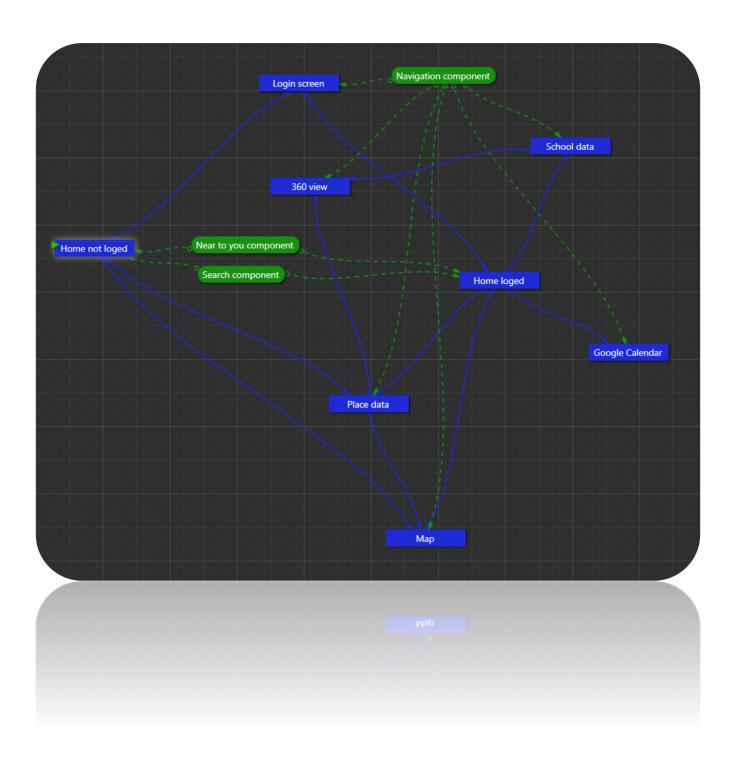
- -The curent selected place.
- -The user identity.
- -The user phisical position.
- -The user preference.

DESCRIPTION

};

App Font default font: Microsoft JhengHei UI Light
Transition between screen: Fade in(~100ms)
Loading feedBack default: The screen gradualy blur.

Sketchflow map



The 'Search' component.

A custom component is a set of controle UI that can be reused in multiple screen. The custom components appear in green in the sketchflow map.



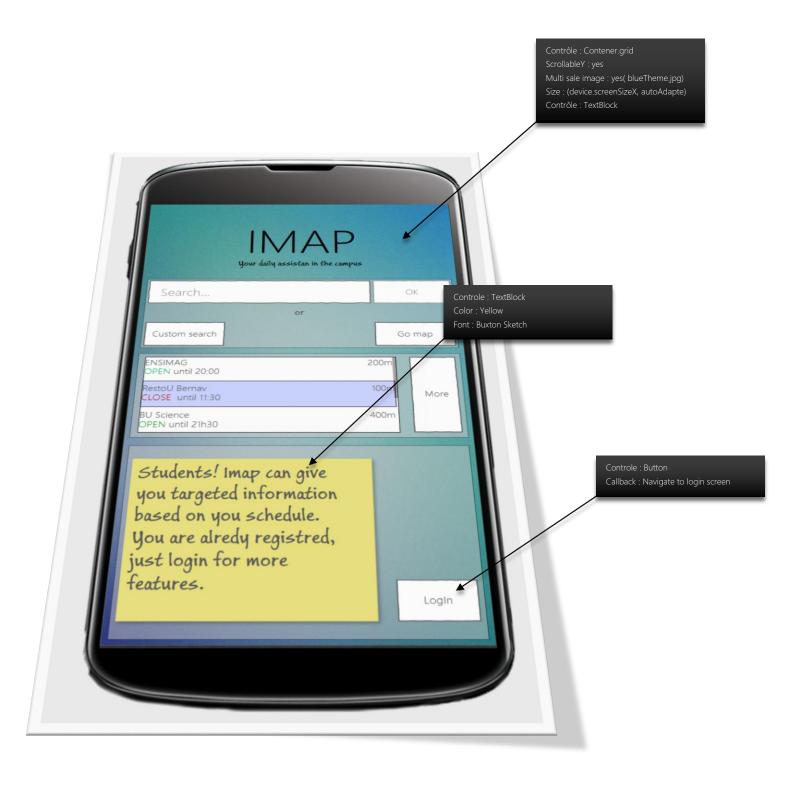
The 'Near to your position' component.



The 'Navigation' component.



The 'Home not loged' screen.



The 'Login' screen

Controle : Radiobutton

Set callback:

ata in callback : if textInbox("Password").dataIn != null

and textbox("Password").dataIn != "" then

Set active button("Ok")

Controle · TextInBox

Data in callback : if radiobuttons.isSet and textInbox("Password").dataIn != null

then

Set active button("Ok")

Controle · PasswordTextInBox

/*The password textIn box hide the character typed*/

Data in callback : if radiobuttons.isSet and textInbox("Login").dataIn != null then

Set active button "Ok"

Controle : button

IsActive · false

Loading feedback : The size of the main contener grid

decrease by 10%.

Callback : set sate.userLogin = TextInbox("login").data

Set state.userPassword = textInBox("Password").data

Callback 2 : (web connexion needed)

if (Login,password) are in the tatabase then

set state.adeParam

/*We get the ICS param from ade and store it in the state.adeParam, ICS param contain all information needed to re built the user schedule.*/

Set state idShool

/*Based on the ICS param we set the state.idSchool value to correspond with the school(s)/university(s) the student attend classe of */

Navigate to 'Home loged' screen

Else

Display errorMessage

fi

OUniversité Stendhal
OGroupe Grenoble INP
OSciences Po Grenoble

Login...

Password...

OK

Menu

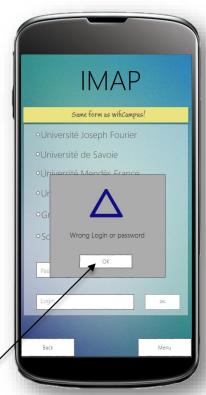
IMAP

Same form as wificampus!

Université Joseph Fourier

Université Mendès France

OUniversité de Savoie



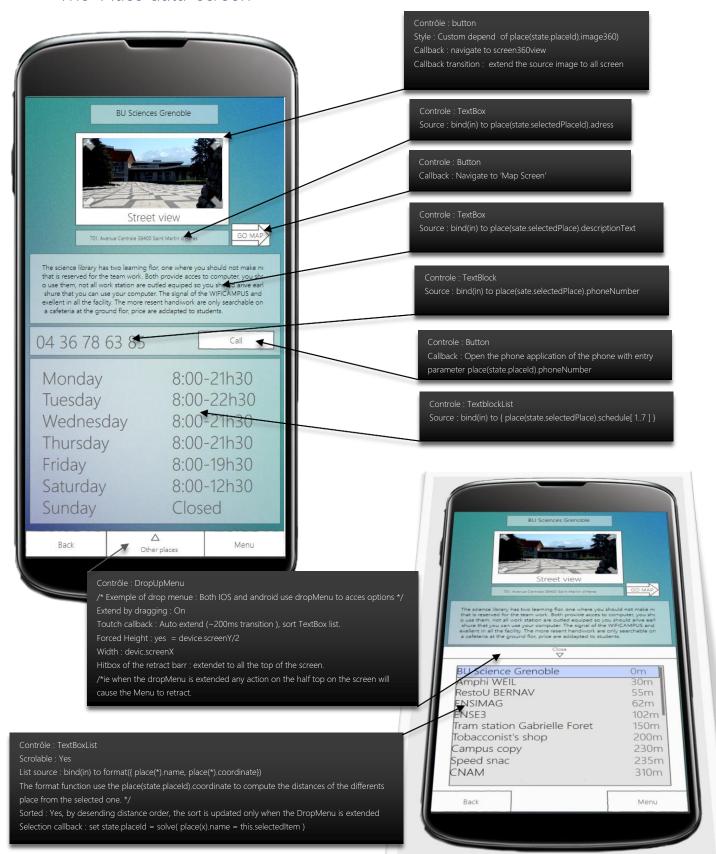
Controle : Button

Callback : Close this error frame

The 'Home Loged' screen



The 'Place data' screen



School screen



The 'Map' screen

Back

Backgroud Image : Yes(CampusMap.jpg)

state.selectedPlaceId changes value the image should be centred on

place (state.selected Place Id). coordinate

/*The screen only display a little part of the all campus map. The campus map should be extracted from the google earth's 3D view. Many screen should be put together to create a large image in a perspective view. Perspective view is mutch more efficient than a regular hoverhanging map

 ${\sf Callback: set\ stat.selectedPlace = Context.palceld}$

 ${\sf Callback: Set\ state.selectedPlace = context.placeld}$ Callback 2 : Navigate to the 'data place' screen

the two position and the distance and time to reatch by foot are disply on the context circle. The drawing is persistant until the stat.placeSelectedId change. Until that the f() is executed eatch time the Device.gpsCoordinate





the hitbox of the reduce bar is no more extendet to all the menu was not extended.

The textBlockList behave the same way that the one on on the data place screen exept that it got no sorting*/

The 'Google calendar' and the '360 view'

Google Calendar is a tool that can be used as a stantalone as far as integrated in a third party application. It is set by an .ics file. The ICS data describing sthe schedule of the student are stored in state.ADEparam.





