Implementation and Testing Deliverable

Team:

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The complete code is available on GitHub, the android app source code at:
https://github.com/agostini95/travlendarAndroidClient , the server side at :
https://github.com/esskidri/AgostiniCiampiconiEs-skidri .

The RASD and the DD are available at the same address inside the Delivery Folder page
 (https://github.com/agostini95/travlendarAndroidClient).

Introduction and scope:

The purpose of this document is to provide an overview of the implementation and testing
deliverable of the project. First we'll point out all the requirements and functionalities we
implemented, as well as those we didn't implement, and try to explain the reasons behind
these choices. Then we'll describe the adopted development frameworks, the structure of
the source code and some information on how we performed the testing activity. Finally we
will list all the necessary installation instructions.

Adopted development frameworks:
For this section refer to the DD.

Structure of the source code:

The source code is divided into two parts, the server part and client part.
On the server side, the code is structured according to a classic web framework, in our case
"Spring", in which there is a "handler" that is in fact the point of access to the server by the
client. Client creates http GET Request to the server, which returns a standard Json format
information as an answer, this solution is very scalable infact it allows the server not to care
about the type of client connected to it, so a future development (web app, IOS etc. ..) will be
very simple due to the totally independence and compatibility of the implemented server.

Implemented requirements/functionalities

[G1] Allow a visitor to became a registered user.
          -Account Manager. Developed and tested
          -Mobile App component. Developed and tested

All module has been developed and everything is working fine.

[G2] Allow user to login to application.
          -Account Manager. Developed and tested
          -Mobile App component. Developed and tested

All module has been developed and everything is working fine.

[G3] Allow user to create a new event in the calendar.
          -Data Manager. Developed and tested
          -Mobile App component. Developed

All module has been developed and everything is working fine.

[G4] Allow user to modify an existing event of his/her calendar.
          -Data Manager. Developed
          -Mobile App component. To be developed GUI

The functionality is not granted at this state of developing, but is at a good state of developing.

[G5] Allow user to delete an existing event of his/her calendar.
          -Data Manager. Developed
          -Mobile App component.
All module has been developed and everything is working fine.

[G6] Allow user to consult the transport solutions between events in the calendar proposed by the system.
          -Data Manager Developed and tested
          -Route Manager Developed and tested
          -Mobile App component. Developed

All module has been developed and everything is working fine.

[G7] Allow user to re-define dynamically his instant position to re-plan the transport solution.
  -Data Manager. Partially Developed
  -Mobile App component. Not Developed
Not developed at all.

[G8] Allow user to set free time (break) during the day schedule.
  -Data Manager.
  -Mobile App component.
All module has been developed, testing not finished.

 [G9] Notifying events overlapping.
  -Data Manager.
  -Mobile App component. Not developed
  -Notifications Manager not developed

[G10] Notifying the time-unreachable event.
  -Data Manager.
  -Mobile App component.
  -Notifications Manager not developed
All module has been developed and everything is working fine., to be extended with push notification.

[G11] Allow user to configure transport preferences and external services to be used
  -Data Manager.
  -Route Manager Missing interface with sharing API.
  -Mobile App component. Developed and tested
All module has been developed and everything is working fine for private means and policy, public means such as   Sharing services are not interfaced with our system at this level.

[G12] Allow user to set an event as ending event.
  -Data Manager. Developed and tested
  -Mobile App component. Developed and tested
All module has been developed and everything is working fine.

[G13] Allow user to buy a ticket or to reserve a mean of transport of a suggested solution.

      -Data Manager. Not developed.

      -Mobile App component. Not developed

      -Sharing Services Interactions Manager Not Developed

Not developed.

*At this state of the app release we develop the basic functionalities and reached goals that are crucial for the user experience (**G1, G2, G3, G5, G6**, **G8**) and some thing that can make our app more user friendly (**G10, G11, G12**).*

***G4** can be substituted at this state by combination of **G5** and **G3, G7** is an advanced goal but the server side is structured in a way that the developing of this functionality must be easy and many thing are already developed, the client for this goal have been not developed.*

***G9** is not developed in the client and in the server (notification module miss at all) but we don't think this corrupt the user experience because our server logic handle the eventual overlapping of events.*

***G13** is not developed.*

How to install the app

To install the android app, download it from :

https://github.com/agostini95/travlendarAndroidClient/tree/master/app/release

and install it into the device (the android version must be >= 7.0), don't forget to set in you device settings the possibility to "install app from unknown source".