



POLITECNICO MILANO 1863

SOFTWARE ENGINEERING II

Travlendar+

IMPLEMENTATION & TESTING
DOCUMENT

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Git Repository: <https://github.com/keyblade95/DamicoGabboliniParroni>

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Chapter 1

Introduction

Chapter 2

Project Analyzed

Name of Authors of the analyzed project

- Michele De Pascalis,
- Gianmarco Dello Preite Castro,
- Amin Mahboubi.

link to the repository

<https://github.com/Gianmarcodpc/DePascalisDelloPreiteCastroMahboubi>

Main reference document considered

The Main document considered is the ITD.

Chapter 3

Installation Instruction

The software has been installed through the apk within the deliverables folder in the github repository as said from the group in the ITD document. The application has been installed on two different virtual devices, the nexus 5 emulator, with android version 8.0(Oreo) and in the nexus 5x with the same version of android, that has been done for test how the application can adapt itself to different display size, 5 for the first one and 5.5 for the second one. There were no inconsistency on the installation instruction released on the ITD apart for the presence of the application in the google playstore, in fact the application can't be downloaded from it.

Chapter 4

Tests

1. non viene aggiornata la view dopo l'inserimento di un appointment
2. i colori degli appuntamenti cambiano
3. la fattibilità di uno schedule non è controllata
4. non è controllata la consistenza delle location
5. se viene cambiato numero di bike sharing o owned bike crasha
6. se l'ora di inizio $<$ ora fine crasha
7. se si mettono appuntamenti sovrapposti l'applicazione crasha
8. in un display da 5' il layout non permette di interagire con alcuni elementi grafici

4.1 Test of the implemented functionalities

The tests has been done on the implemented functionalities declared on the ITD document released by the other team, for each of them at least on test has been carried out.

4.1.1 Insertion of events and free times

The insertion of an event can be done by clicking the button the main page of the application

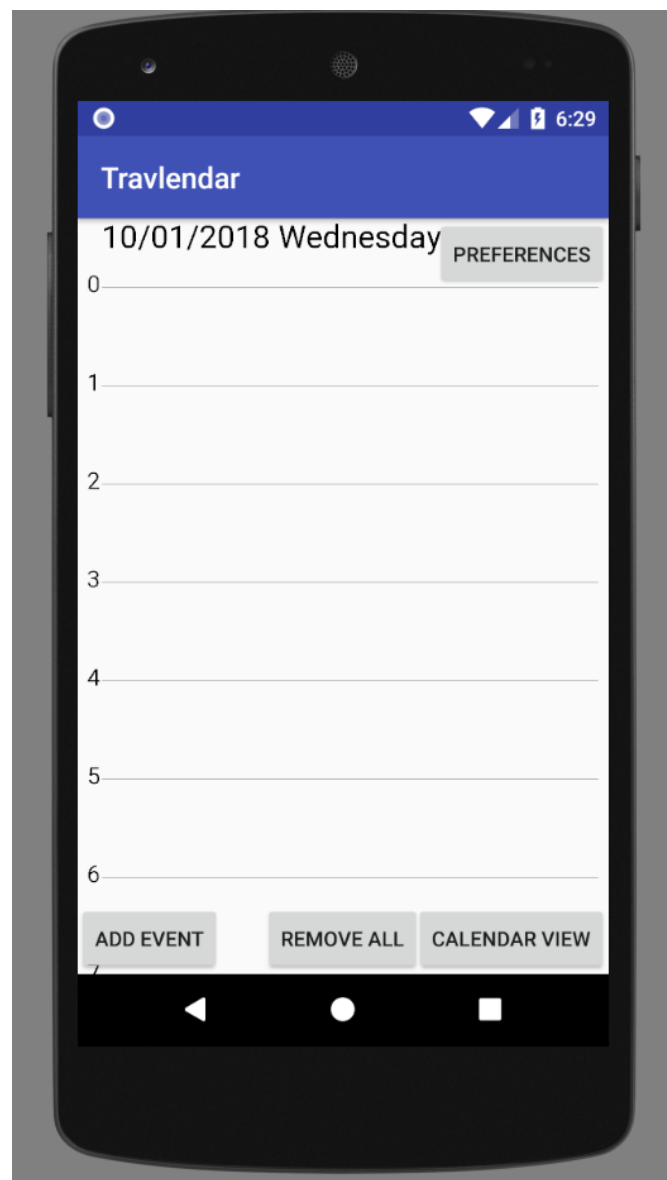


Figura 4.1: Main page view

the user is redirect to an event creation view with some fields to fill as shown below.

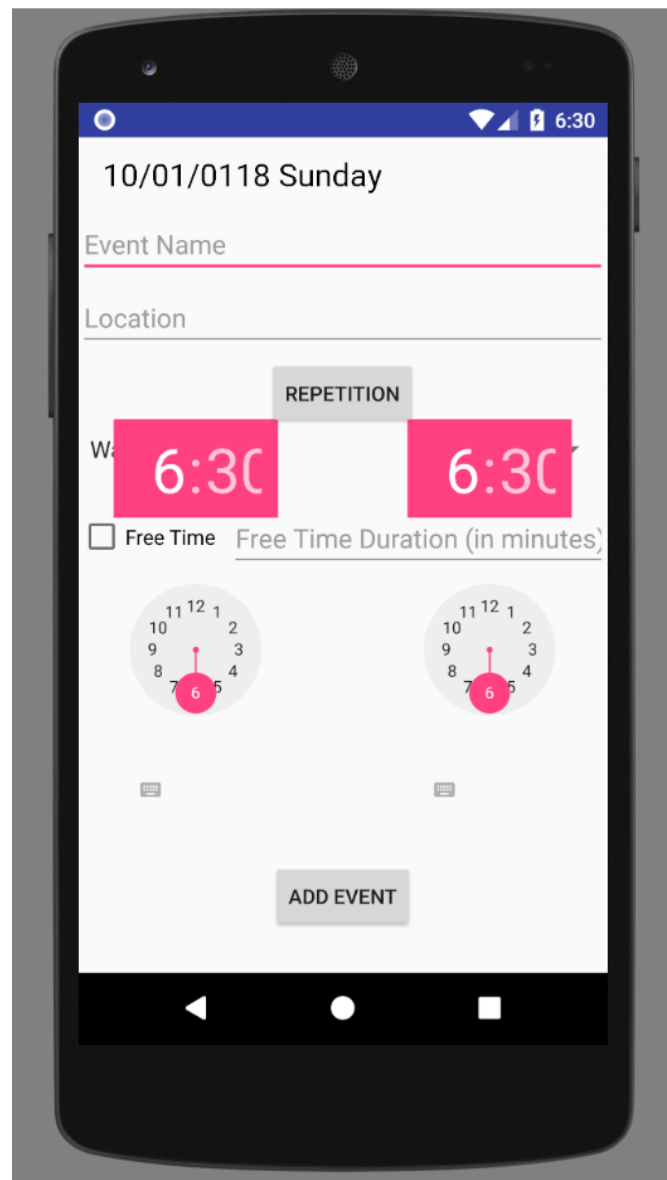


Figura 4.2: Event Creation View

The view has some missing graphic constraints that put the two clock picker in the middle of the view hiding the bar that made possible the selection of a travel mean for the event that is currently being created.

Another small issue is that the year of the selected day is wrong(is 0118 instead of 2018). There isn't any check for the feasibility of the location inserted.

Test1

A first test has been carried out with a normal insertion of an event without free time and without repetition. After the click of the add event button the user is redirected to the main page but the appointment has not been added, although with a change of date on the calendar (change date and after rechange on the current date) the appointment is added, as shown in the image below, probably a little problem in refreshing the view after the insertion.

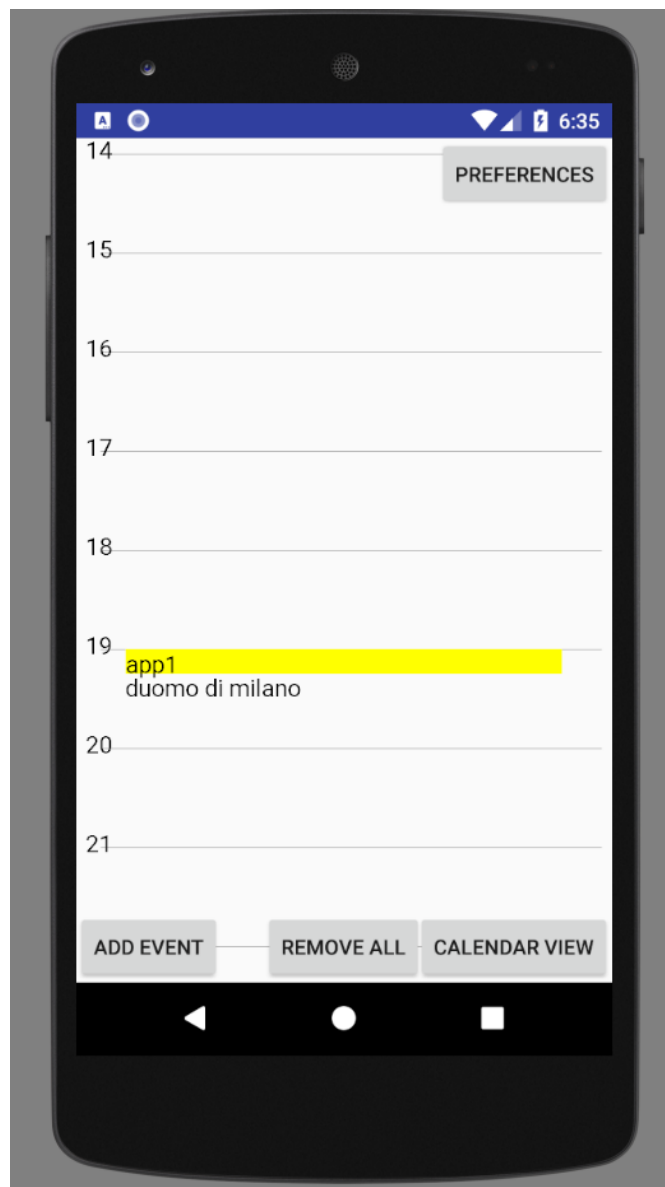


Figura 4.3: insertion of an event

Test2

here is tried to add an event with repetition that is possible pushing the button on the event creation view named "repetition" the user is redirected to the following view

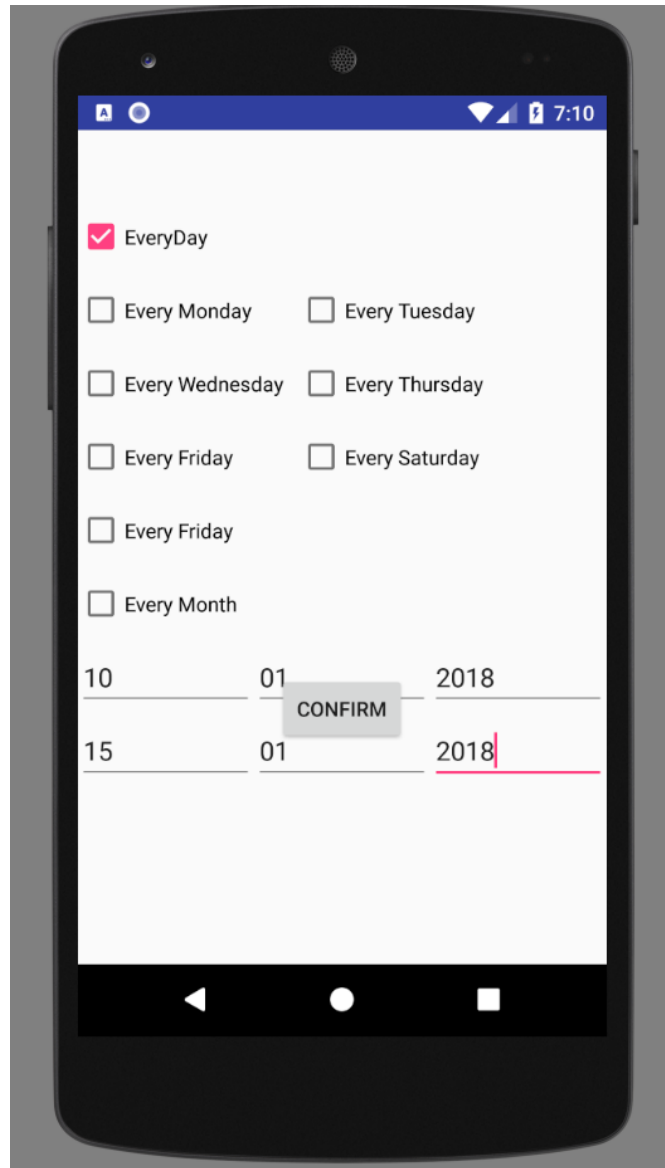


Figura 4.4: Repetition view

the confirm button has some missign constraints so it stay on the middle of the field for the insertion of the date.

After the click of the confirm button the user is redirected to the main page after the refresh of the view the appointment is visible only on the first date of the slot selected

for the repetition, on the other days in which the appointment should be shown nothing has been added.

Test3

Here is tried to add two overlapping appointments, in this case after the insertion of the second one the application crash.

Test4

Here is tried to add a free time, when the save button is clicked the application crash.

4.1.2 Notification System

This functionality is declared to be implemented on the ITD document but it isn't working

SettingPreferences

Persistence Database to store events and free times

BikeMI API

This functionality is declared to be implemented on the ITD document but it isn't working

Weather API

This functionality is declared to be implemented on the ITD document but it isn't working

preferences management

Chapter 5

Additional Points

Chapter 6

Effort Spent

- Federico Parroni: **130 hours**;
- Edoardo D'Amico: **130 hours**;
- Giovanni Gabbolini: **130 hours**.