



POLITECNICO

MILANO 1863

TRAVLENDAR+ | SOFTWARE ENGINEERING II PROJECT

ACCEPTANCE TEST DELIVERABLE

Authors

Antonio Frighetto

Leonardo Givoli

Hichame Yessou

Professor

Elisabetta Di Nitto

Academic year 2017/2018

Contents

1	Introduction	1
1.1	About	1
1.1.1	Project’s authors	1
1.1.2	Repository	1
1.1.3	Reference Documents	1
1.2	Scope	1
2	Installation setup	2
3	Testing	3

Chapter 1

Introduction

This document has the purpose to show the results of the tests carried out on the Travlendar+ project of another group.

1.1 About

1.1.1 Project's authors

- Fumagalli Paolo
- Grotti Pietro
- Grullo Marco

1.1.2 Repository

FumagalliGrottiGrullo link [here](#).

1.1.3 Reference Documents

- RASD: Requirements Analysis and Specification Documents, version 1.0
- DD: Design Documents, version 1.0
- ITD: Implementation and Testing Documents, version 1.0

1.2 Scope

We could not find inconsistencies between the [RASD](#) and the [DD](#), that appeared very well related. We mainly considered the [ITD](#).

Our team decided to focus on verifying the goals and requirements that the other team claimed to have successfully implemented, checking if errors or anomalies occurred.

In testing section is possible to see if any trouble or errors came out in web application.

Chapter 2

Installation setup

To install the project we basically followed the guide in the README markdown on Github. We cloned the project, imported as a Maven project and after downloading every dependencies from the pom.xml file, started compiling. Since we are used to using IntelliJ IDEA, we thought - for simplicity's sake - to give it a try with such IDE without installing another one. It seemed it worked, the project compiled correctly, but an error occurred when we have tried to launch the Travlendar+ web application - more precisely in the calendar page -, and we got: *Widgetset 'com.vaadin.DefaultWidgetSet' does not contain an implementation for org.vaadin.addon.calendar.Calendar. Check the connector's @Connect mapping, the widgetset's GWT module description file and re-compile your widgetset.* We've seen however that they experienced the same error as well, but neither with their suggestion it worked. So we just changed dev-environment, switching to NetBeans IDE, the one the project was developed with, configured MySQL properly, and finally the web application worked.

Chapter 3

Testing

Here are the various test cases we applied in order to verify the consistency of the application and that all functionalities and constraints mentioned in the ITD work as guaranteed. Then, we compared them with those described in the RASD to check what functionalities were actually developed.

- *G1. Allow a guest user to register to Travlendar+ by filling the registration form with the data needed.*

No email was received after adding our account during the registration process. We'd like to note also that no kind of validation on the email user input was done too (so an email like `username@` or even `username` - without the `@` sign - is accepted by the system). This is actually specified in the ITD.

- *G2. Allow the user to select references and modify them whenever he wants.*

Settings worked as said, but when inserting in the user profile text fields a string longer than 255 chars, an unhandled exception is raised.

- *G3. Allow the user to easily create an organized and customizable agenda based on his preferences.*

It seems like this requirement has not been completely tested. First, the text field of the locations accept an invalid location as well (better, any user input). It makes little sense considering that a specific button for handling locations has been implemented (they could have been disabled in write-mode and just show the location inserted after having set them up with the button). The layout is not completely responsive, since the window that shows up after pressing *See location form* button, is not scrollable. Secondly, if no priority is inserted, a `NullPointerException` is raised. It should be enough checking if the priority preference object passed in method `private String convertPref(PreferenceLevel p)` (`com.polimi.travlendar.backend.beans.EventService.java:120`) is null.

- *G4. To help the user plan his movements in a clever and efficient way.*

The system allows correctly to insert if the user has a driving license and declare which vehicle owns, but we'd like to point out that the motorbike option is not actually present. Therefore in the *See location form* it's mandatory for the user to insert the starting location and the arrival location even if it's already present in the previous section. It would have been helpful to set the starting position as the current position of the user and the arrival location to the location present inside the Create/Edit Event form. The form doesn't provide to the user the used mean of transport for the directions and it doesn't take account for the settings inserted by the user, resulting in the same direction whatever means of transport is available.

- *G5. To guarantee the user no to be late for his appointment*
This goal is not achieved and will be developed in the future as written in the ITD document, so we clearly didn't test it.
- *G6. To let the users buy bus or train tickets (both single or seasonal)*
The system allows you to buy fake tickets and the payment of the amount is withdrawn from the account balance. The balance can be topped with credit from credit cards and it's handled correctly with Stripe, notifying which card is used and if it exists.
- *G7. To let the user find vehicles from vehicle sharing systems*
This goal is not achieved and the application redirects the user to the external website of the service provider.
- *G8. Allow the user to buy in advance tickets which can be used later on.* The goal has been achieved and we are allowed to either select and buy the tickets. The expiration of the tickets works correctly and an expired ticket can't be activated as expected.