Politecnico di Milano

AA 2018-2019

Computer Science and Engineering

Software Engineering 2 Project

ATD

Acceptance Test Document

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Link to the repository:

https://github.com/stepolimi/BagarinPasini

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1 Installation and Setup

1.1 Back-end installation

In order to render functional the other team's project we had to install Fedora Linux on our machines. In fact, we couldn't successfully run the back-end on Windows. After the initial setup we found some discrepancies between what we have done and what it was suggested to do in the installation instructions. Even if we hadn't found any problems following all the given instruction, in our opinion the installation process would still be very platform-specific.

1.2 Client installation

The development team didn't provide any artifacts ready to be installed. We had to compile an ad-hoc version of the two clients containing the specific IP of the back-end as it is suggested in the installation instructions.

2 List of missing features

- Web-app : not implemented

All the remaining features defined in previous documents are implemented.

3 Acceptance test cases

3.1.1 Running test suite

Before any of our tests we run the provided test suite. All tests were PASSED except for ONE. The development team was already aware of this but due to time constraints they didn't resolve the issue or delete the test.

3.1.2 Registration function

3.1.2.1 Third Parties' app

Feature Tested	Registration of Third Party
Description	Register to Data4Help service in order to access to the personal area and to make individual or anonymous requests.
Input specification	Personal data of a Third Party
Output specification	Directly connected to the personal area
Result	FUNCTIONAL

3.1.2.2 Users' app

Feature Tested	Registration of User
Description	Register to Data4Help service in order to monitor personal data and to accept or refuse request from Third Party
Input specification	Personal data of a User
Output specification	Directly connected to the personal area
Result	FUNCTIONAL

3.1.2.2.1 Additional point

We encountered a problem with the third-party registration procedure, because a number was not explicitly requested for the "address number". But during the process of saving data in the database, this field was parsed as *int*, and if a number was not strictly entered, the app did not complete the registration process without making the error clear.

3.1.3 Login Function

3.1.3.1 Third Parties' app

Feature Tested	Login of Third Parties
Description	Login to Data4Help service in order to access to the personal area and to make individual or anonymous requests.
Input specification	Email and password of the Third Party
Output specification	Directly connected in the personal area
Result	FUNCTIONAL

3.1.3.2 Users' app

Feature Tested	Login of User
Description	Login to Data4Help service in order to monitor personal data and to accept or refuse request from Third Party
Input specification	Email and password of User
Output specification	Directly connected in the personal area
Result	FUNCTIONAL

3.1.4 Implemented functions in Users' App

3.1.4.1 Add height and weight

Feature Tested	Setting User Health Parameters
Description	Access to personal area in the users' app in order to set his/her height and weight
Input specification	Logged in the app and the specific parameters
Output specification	Height and weight are inserted, but no visual clue is given to render the user aware of the actual modification of the parameters.
Result	FUNCTIONAL

3.1.4.2 See personal health parameters

Feature Tested	Personal Health Parameters
Description	Access to personal area in the users' app in order to access to his/her data
Input specification	Logged in the app and click on the specific time division.
Output specification	Health parameters are shown
Result	FUNCTIONAL

3.1.4.3 Accept or deny Third Parties data's requests

Feature Tested	Accept or refuse request
Description	Access to notification section, in order to get all the incoming request
Input specification	Logged in the app and accept/refuse all the request from Third Parties
Output specification	Requests are accepted or refused but are not deleted. When we will try to read the notifications again, the same request will be still present.
Result	PARTIALLY FUNCTIONAL

3.1.5 Implemented functions in Third Parties' App

3.1.5.1 Require data of group of users

Feature Tested	Require anonymous data
Description	Fill in the form all the parameters useful to make the request
Input specification	Minimum and maximum age, minimum and maximum weight, minimum and maximum height, address and sex
Output specification	Confirmation of the request and if number $>$ 1000
Result	FUNCTIONAL

3.1.5.1.1 Additional points

The UI doesn't allow to unselect the sexes radio buttons. Once they are clicked there's no coming back.

3.1.5.2 Require data of single users

Feature Tested	Require individual data
Description	Insert all the necessary information to make the request
Input specification	CF or SSN of the User and the Title of the request
Output specification	Confirmation of the request successfully sent
Result	FUNCTIONAL

3.1.5.2.1 Additional points

Since there is no type of control, it is possible to make more requests to the same user, this can give rise to a multitude of requests all identical to each other. Moreover, it seems like that loading n times the requests page all the entry already present would duplicate themselves. We don't know if this is a bug concerning only the data presentation of the client or also involving the back-end.

3.1.5.3 See data of single users

Feature Tested	See individual data
Description	See the requested data
Input specification	Click on the request and choose to subscribe to it or just to see immediately the data
Output specification	Show the data or move the request in the subscription section, ready to be seen
Result	FUNCTIONAL

3.1.5.3.1 Additional Points

Due to UI constraints only 12 subscriptions to single user are accessible.

3.1.5.4 See data of group of users

Feature Tested	See anonymous data
Description	If the number > 1000 the request is immediately processed and the data are shown
Input specification	Choose to subscribe to it or just to see immediately the data
Output specification	Show the data or move the request in the subscription section, ready to be seen
Result	FUNCTIONAL

3.1.5.4.1 Additional Points

Due to UI constraints only 12 subscriptions to group of users are accessible.

4 Additional points

In general, most of the implemented functions work and cover the goals expressed in the RASD. The low level of fault tolerance made testing difficult and annoying, as frequently there were unhandled errors and not easily traceable to the exact source.

Although it is not a mandatory requirement for an implementation that acts as a prototype, we believe that a better management of certain errors would have facilitated testing.

4.1 Maintainability

After inspecting the code and testing the applications we assume that it would be very difficult to make progress in the development. Many functionalities are implemented but not thoroughly tested, leaving behind many small bugs that progressing with the development of the platform will become more and more difficult to solve.

The code is readable and well documented using Javadoc, this is mandatory to proceed in developing further releases.

5 References

- Implementation and Testing Project Assignment - A.Y. 2018-2019.
- RASD3 Bagarin, Pasini.
- DD2 Bagarin, Pasini.
- ITD2 Bagarin, Pasini.

6 Effort spent

The effort spent to write this document, install the applications and test them is:

Tommaso Peresson – 6h

Giacomo Ziffer – 7h