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Acceptance Test Deliverable

Deliverable:	ATD
Title:	Acceptance Test Deliverable
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Contents

1   Introduction

1.1   Project to Analyze

In this document the purpose is that of analyzing the project of Bertelli, Savino and Vinati. Here, this is the link to the Github Repository of the project we are analyzing in this document.
https://github.com/Crocus98/BertelliSavinoVinati

1.2   Acronyms

RASD	Requirements Analysis and Specification Document
DD	Design Document
ITD	Implementation and Test Deliverable

1.3   Revision History

DATE	DESCRIPTION
09/02/2022	Draft of the document and "Introduction" chapter
10/02/2022	"Installation and Code" chapter
11/02/2022	"Acceptance Test" chapter
13/02/2022	First Release

1.4   Reference Documents

- Requirement Engineering and Design Project: goal, schedule, and rules

- I&T assignment goal, schedule, and rules

- Slides of the course Software Engineering 2

- Requirement Analysis and Specification Document - Bertelli, Savino and Vinati

- Design Document - Bertelli, Savino and Vinati

- Implementation and Test Deliverable - Bertelli, Savino and Vinati

1.5   Document Structure

The purpose of this document is to describe the tests we performed on the project of another team that was assigned to us.
The document has the following structure:

- **Chapter 1:** this chapter is meant to provide an introduction to the document through the list of acronyms used, the revision history and all reference documents we have used to write this document;

- **Chapter 2:** this chapter is meant to comment the source code of the project we were assigned and the installation guide provided by the other team;

- **Chapter 3:** this chapter is meant to include the acceptance tests we have performed and the corresponding comments;

- **Chapter 4:** this chapter is meant to show the amount of time that each member has worked on this document.

2   Installation And Code

2.1   Installation and test guide

The installation instructions are clear and easy to follow.
The division of the database installation and the project was very useful. All the fundamental points of the process are explained in a linear manner and are available for all platforms and types of users (Windows, Linux and Mac user).
Overall, no critical aspects were found in the procedure except for the fact that the installation of JRE and JDK is not expressed as a prerequisite to make the TomEE server work.
Also, the link indicated in the Windows section of the guide for the local server startup does not work.
Finally, the same link we were talking above is indicated in the guides for MacOs and Linux systems but it is not used in the respective step-by-step guides.

The Python test guide is also clear and unambiguous. All prerequisites are indicated in the instructions. No errors were found.

2.2   Source code

The code is well structured and consistent with as described in the RASD and DD. All the naming and form conventions of the Java programming language are followed.
However, the code is not fully commented and is not using any standard form, such as Javadoc, for its drafting. The comments cover only some parts of the code indicating only an overview of the method and their usefulness, without specifying the internal functioning and the necessary parameters.

3   Acceptance Test

3.1   Test cases

In this section we have reported a summary of the tests we have performed. We decided to focus on the implemented functionalities described in the ITD integrating them with the information derived from the RASD and the DD.

We want to highlight that some functionalities described in the RASD and DD document were not implemented in the final system but, as explained in the ITD document by the team, it has been their choice not to implement all of them.

The aspects we decided to focus on have been the use cases that hypothetical users may experience during the daily use of the platform.

The Green highlighted cells mean that the test was successfully passed while, Yellow highlighted cells, mean that that the test was not completely passed ad the reasons will be described in the following section. Finally, note that the two users the team has decided to consider in the implementation were Farmers and Policy Makers.

3.1.1   All actors

1. **Login:**
   This test has focused on the login functionality which is the same for Farmers and PolicyMakers.

TEST	DESCRIPTION	RESULT
Login Farmer/Policy Maker	Insert correct credentials of an already registered user to verify the login.	**PASSED**

2. **Logout Farmer:**
   This test has focused on the logout functionality for the Farmer.

TEST	DESCRIPTION	RESULT
Logout Farmer	Click on the logout button to logout and return to the login page.	**PASSED**

3. **Logout Policy Maker:**
   This test has focused on the logout functionality for the Policy Maker.

TEST	DESCRIPTION	RESULT
Logout Policy Maker	Click on the logout button to logout and return to the login page.	**PASSED**

3.1.2   Farmer

1. **Show Farmer Home Page:**
   This test has focused on the Show Home Page functionality in the Farmer's Application.

TEST	DESCRIPTION	RESULT
Show Farmer Home Page	Opens after a successful login.	**PASSED**

2. **Show Production Page:**

This test has focused on the Show Production Page functionality.

TEST	DESCRIPTION	RESULT
Show Production Page	Clicking on the "Production" button on the left of the homepage, the Production HomePage is shown.	**PARTIALLY PASSED**

3. **Insert Production:**

This test has focused on the Insert Production functionality.

TEST	DESCRIPTION	RESULT
Insert Production	Fill the form and press the button to insert a production.	**PARTIALLY PASSED**

4. **Show Forum Page:**

This test has focused on the Show Forum Page functionality.

TEST	DESCRIPTION	RESULT
Show Forum Page	Clicking on the "Forum" button on the left of the homepage, the Forum Page is shown.	**PASSED**

5. **Create Discussion:**

This test has focused on the Create Discussion functionality.

TEST	DESCRIPTION	RESULT
Create Discussion	Fill the form and press the button to create a new discussion.	**PARTIALLY PASSED**

6. **Create Post:**

This test has focused on the Create Post functionality.

TEST	DESCRIPTION	RESULT
Create Post	Fill the form and press the button to create a new post.	**PARTIALLY PASSED**

3.1.3 Policy Maker

1. **Show Policy Maker Home Page:**
   This test has focused on the Show Home Page functionality in the Policy Maker's Application.

TEST	DESCRIPTION	RESULT
Show Policy Maker Home Page	Opens after a successful login.	**PASSED**

2. **Show Farmers' Ranking Page:**
   This test has focused on the Show Farmers' Ranking functionality.

TEST	DESCRIPTION	RESULT
Show Farmers' Ranking Page	Clicking on the "Ranking" button on the left of the homepage, the Farmers' Ranking Page is shown.	**PASSED**

3. **Filter Farmers' Ranking Data:**
   This test has focused on the Filter Farmers' Ranking Data functionality.

TEST	DESCRIPTION	RESULT
Filter Farmers' Ranking Data	Fill the form and press the button to view the corresponding result.	**PARTIALLY PASSED**

3.2   Bugs and Issues

In this section a description of the issues and bugs we have found is reported.
It contains bugs, issues and comments we have found.

1. Show Production Page
   Here we have a graphic suggestion, when the number of production data inserted reaches a certain number, the list goes outside the designated background box creating a not very appealing effect.

2. Insert Production
   We noticed that there is no distinction between different errors when trying to insert a production. This causes some misunderstandings since the user does not understand right away what the issue is but has to figure it out by himself. For instance either when selecting a date in the future or when inserting a wrong data in the text fields, the errors displayed are the same.

3. Create Discussion
   As in the previous case, independently from the error made by the user, the shown message remain very generic, for instance when inserting a text which is too long in the text fields. Also, when an error in the filling of the form is made, all discussions previously displayed are deleted and nothing is shown except for the error message. The user has then to exit and re-enter the Discussion section to be able to see them again.

4. Create Post
   As in the previous case, independently from the error made by the user, the shown message remain very generic, for instance when inserting a text which is too long in the text fields. Also, when an error in the filling of the form is made, all posts previously displayed are deleted and nothing is shown except for the error message. The user has then to exit and re-enter the Posts section to be able to see them again.

5. Filter Farmers' Ranking Data
   Here we have found that, as in all previous cases, errors in filling the form cause generic errors that make it not easy to understand the error made by the user. For instance, when the inserted date is in the future.

4 Effort Spent

This section shows the amount of time that each member has spent to produce the document. Please notice that each part of the document is the result of coordinated work. The column Member specifies only the main contributor for each topic but it should not be interpreted as a lack of participation by other team member for that topic.

Topic	Member	Hours
RASD, DD and ITD ispection	Buttiglione, Caffagnini, Faouzi	2
Environment Installation	Buttiglione, Caffagnini, Faouzi	2
Test	Buttiglione, Caffagnini, Faouzi	1
Reading of the source code	Buttiglione, Caffagnini, Faouzi	2
Writing of the ATD document	Buttiglione, Caffagnini, Faouzi	5