POLITECNICO
MILANO 1863

ATD

Acceptance Test Deliverable

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Link   https://github.com/emassaro98/DigregorioMassaroTamma
Directory:

CONTENTS

1   INTRODUCTION

1.1   Project to Analyze

The assigned project examined in this document is the one of Enrico Apollonio and Lorenzo Filizola. The link to their repository is the following: https://github.com/lorenzofilizola/ApollonioFilizola.

1.2   Acronyms

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

1.3   Revision history

DATE	DESCRIPTION
09/02/2021	Creation of the document.
11/02/2021	Definition of the test cases and first bugs description.
12/02/2021	Description of further issues. Comments on the source Code. General improvements.

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 - Apollonio Enrico and Filizola Lorenzo*
- *Design Document - Apollonio Enrico and Filizola Lorenzo*
- *Implementation and Test deliverable - Apollonio Enrico and Filizola Lorenzo*

1.5 Document Structure

The scope of this document is to describe the tests carried out on the project of another team. The document is composed of the four following chapters:

- **Chapter 1**: provides an introduction to the document. It includes the list of acronyms the revision history, and the reference documents. Lastly, it includes the references to the project which has been analyzed.
- **Chapter 2**: includes the main acceptance test cases that have been evaluated and some observations on issues and criticalities found during the test phase.
- **Chapter 3**: here some comments on the source code and the installation guide provided by the team.
- **Chapter 4**: shows the amount of time that each member has spent to produce the document.

2   ACCEPTANCE TEST

2.1   Test Cases

In this section, a summary of the performed tests. The focus was on the implemented functionalities described in the ITD with some integration from the other documents, namely RASD and DD. The tests have been performed paying particular attention to the use cases that a real user of the application might experiment during the daily usage of the platform.

2.1.1 Customer

1.   Login

The core of this test is the login functionality for customers.

Test	Description	Result
Login Customer	Insert correct credentials of an already registered customer, in order to check the login.	Passed

2.   Sign Up

The core of this test is the Sign Up functionality for customers.

Test	Description	Result
Create New Customer Account	Create a new customer account using the Sign Up Page.	Partially Passed (*Please, see Bugs and Issues for further details*)

3.   Lineup

The core of this test is the Lineup functionality for customers.

Test	Description	Result
Lineup	Create a new lineup for a guest and a logged customer.	Not Passed (*Please, see Bugs and Issues for further details*)

2.1.2 Store

1.   Login

The core of this test is the login functionality for the Store Manager.

Test	Description	Result
Login Store Manager	Insert correct credentials of an already registered Store Manager, in order to perform the login.	Passed

2.   Sign Up

The core of this test is the Sign Up functionality for Store managers.

Test	Description	Result
Create New Store Manager Account	Create a new Store Manager account using the Sign Up Page.	Partially Passed (*Please, see Bugs and Issues for further details*)

3.   Personnel

This test checks if the functionality which should allow a Store Manager to create a new personnel account works properly.

Test	Description	Result
Create New Personnel	Select the Personnel Create button on the shop Home Page. Then, try to create a new personnel account.	Partially Passed (*Please, see Bugs and Issues for further details*)

4.   Statistics

This test checks the statistics functionality for a logged Store Manager.

Test	Description	Result
Show Statistics and Check the Content	First, select the Statistic button on the shop Homepage and a day, then check the results.	Passed

5.   Queue

This test simulates the queue functionality provided to a logged Store Manager.

Test	Description	Result
Show Queue	Chose the queue button in the shop Homepage. Check if the queue table returned by the functionality is coherent.	Passed

2.1.3 Personnel

1.   Login

This test is related to the login functionality for personnel.

Test	Description	Result
Login Personnel	Insert correct credentials of an already registered personnel, in order to perform the login.	Passed

2.   Scan Ticket

This test is related to the scanning functionality for personnel.

Test	Description	Result
Scan Ticket	Select the scan ticket button on the Homepage of a logged personnel and scan a QR-code.	Passed

3.   Issue ticket

This test refers to the functionality for the generation of a new ticket by the personnel.

Test	Description	Result
Issue Ticket	Select the button of the functionality in the personnel Homepage. Check the result.	Passed

2.2 Bugs and Issues

In this section, a description of the issues that have been found during the test phase. It contains bugs, shortcomings, suggestions, and other critical noteworthy aspects.

1. Shift Checking

The system seems to not perform checks on the entrance time. In other words, a customer can enter the store also if it is not yet its turn.

2. Error Messages

Each error message is displayed in the upper section of the screen with visible colors. It is reasonable to think that those messages should disappear after a fixed amount of time or after performing a new operation but, in the software, they persist accumulating with previous ones.

3. Checks on the length of the password

The system accepts passwords of any length (also passwords that contain only one character). Might be a good choice to insert a lower boundary on the length for security reasons.

4. Drop Down Menu Visibility

The dropdown menus show white characters on white background. This causes a viewing difficulty.

5. Sign Up Issues

Due to some lack of checks during the Sign Up phase, the system exhibits an unpredictable behavior in specific use cases.

A user that wants to register into the platform must specify some data like name, username, password, and so on. The username is then used to allow the login.

During the Sign Up phase, the system does not verify if the inserted username is equal to another username already present in the system. Hence, if the user tries to Sign Up with a used username, the process seems to finish correctly but the registration is not performed at all.

Moreover, the system does not perform any checks on the value of the email. Hence, a user can create an unbounded number of accounts with the same email address.

6. Capacity Issues

During the tests, the system has been allowed the entering of a greater number of customers than the capacity of the store. Maybe, this issue might be related to the first one.

7. Lineup Issue

The Lineup functionality does not work for customers. During the tests, the system has always displayed an error message after a try of lining up with a guest or a customer account. Notice that the functionality to create a ticket by personnel account is perfectly working.

3   INSTALLATION AND CODE

3.1   Installation

The installation guide provided is clear and complete enough.

The installation is linear and does not require long and tedious configurations. However, it presents some criticalities if in the system is already present a previous installation of MySQL Workbench since it requires to change the password of the root user. This has taken away some hours during the installation phase.

3.2   Source code

The source code is well-structured but is not always perfectly readable.

The comments are present but they do not cover all sections of the source code. In other words, they often cover only the definitions of the methods.

4 EFFORT SPENT

This section shows the amount of time that each member has spent to produce the document and perform the tests. Please notice that each section, test, and specification is the result of coordinated work. The column *Member* specifies only the main contributor (or contributors, if more than one) for each topic but should not be interpreted as a lack of participation by other team members for that topic.

TOPIC	MEMBER	HOURS
Reading of the RASD, DD, and ITD	Digregorio, Massaro, Tamma	1.5h
Environment installation	Digregorio, Massaro, Tamma	3.5h
Tests	Digregorio, Massaro, Tamma	2.5h
Reading of the source code	Digregorio, Massaro, Tamma	1h
Creation and drafting of the document	Digregorio, Massaro, Tamma	3h