



Software Testing Document (STD)-UPDATED

1. Introduction

In this updated testing document we include all the required test cases for verifying the newly added requirements as well as certain additional test cases for verifying some old functionalities that have undergone some changes (such as check-in/out).

2. Testing Procedure

Reporting Estimate

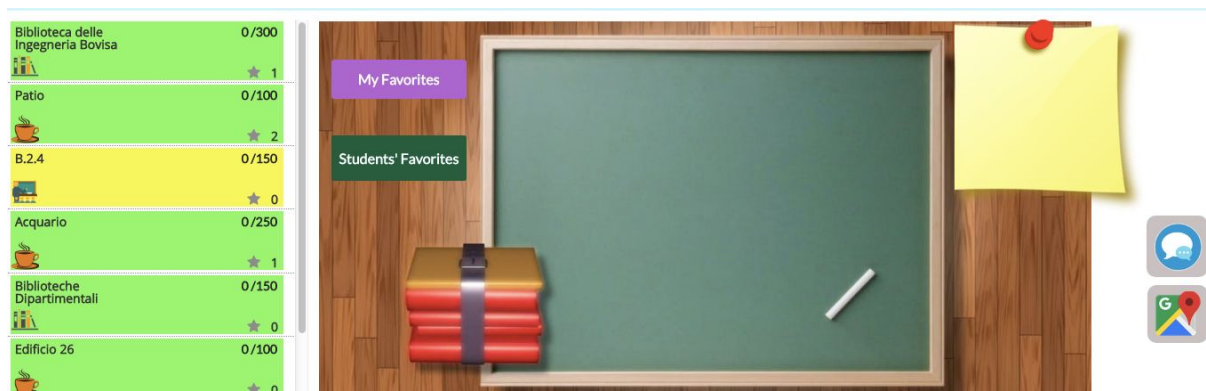
Requirements: The user selects a desired study-area and chooses a percentage range from a dropdown menu that approximates the current occupancy → This estimate is displayed for all other users and the current user is now able to either check-in or cancel the operation

➤ Test case 1

<Selected Study Area = “ ”>

No study area has been selected yet.

REPORTING ESTIMATE fails (Submit button and dropdown menu don't even appear yet)

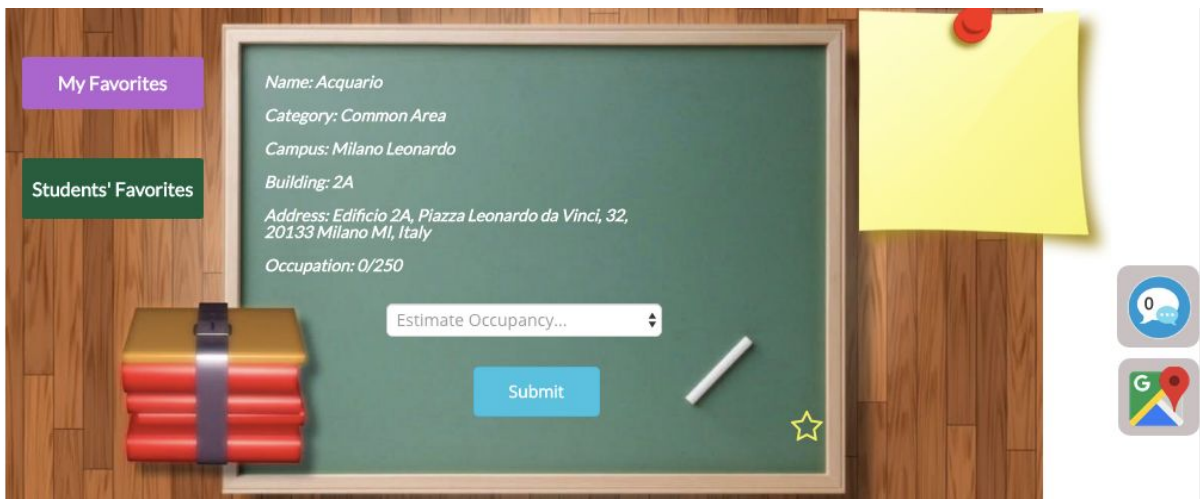


➤ Test case 2

<Selected Study Area = "Acquario", Selected Option from Dropdown = " ", Submit = "true">

No estimate has been selected yet.

REPORTING ESTIMATE fails (Clicking the Submit button doesn't lead to any changes)



➤ Test case 3

<Selected Study Area = "Acquario", Selected Option from Dropdown = "Between 25% and 50%", Submit = "true">

An estimate has been selected at the current time and the Submit button has been clicked.

REPORTING ESTIMATE succeeds



Check-In/Out Changes

Check-in Changes: Check-in button doesn't appear unless an estimate is submitted, and the check-in procedure does not work if the estimate is made for a different study-area than the one being checked-in to.

➤ Test case 1

<Selected Study Area = "Acquario", Selected Option from Dropdown = x, Submit = "false">

x is any value from the dropdown menu, but the Submit button has not been clicked yet.

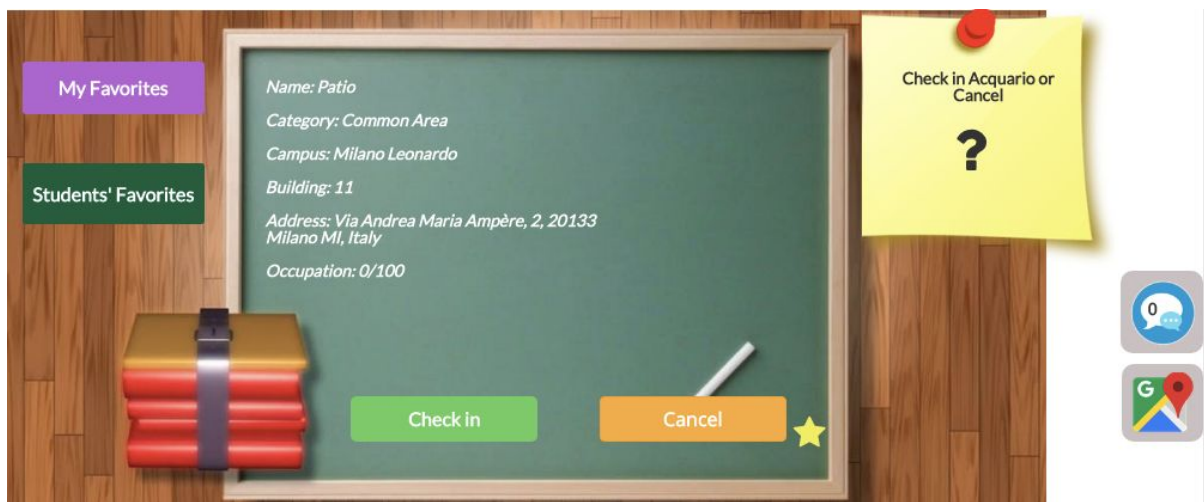
CHECK-IN fails (Check-in button doesn't even appear yet)

➤ Test case 2

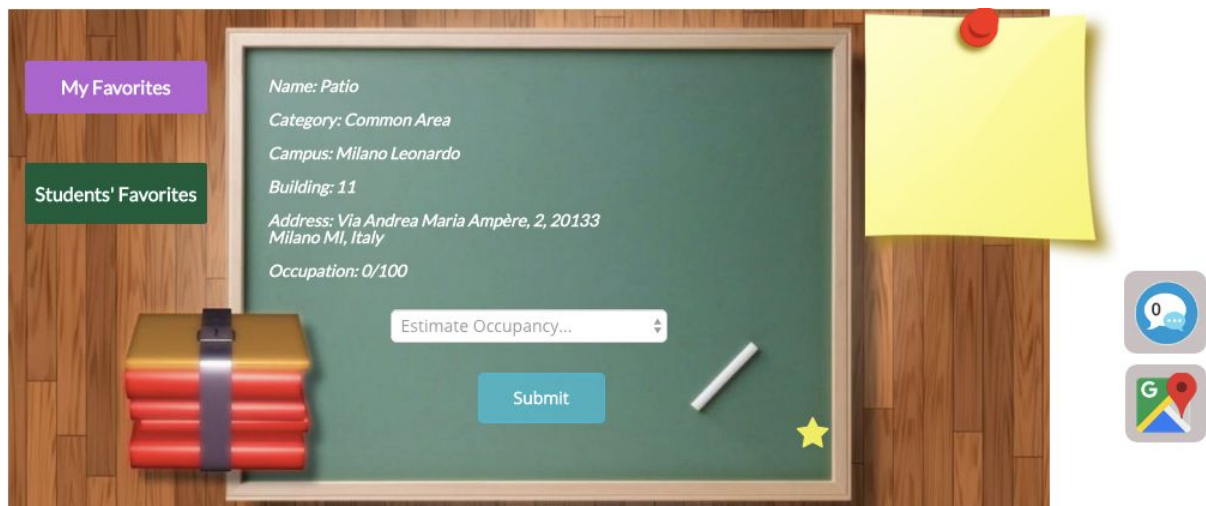
<Selected Study Area = "Patio", Potential Place = "Acquario", Check-in = "true">

Trying to check in to a different place from that in which an estimate has been reported

CHECK-IN fails (Clicking the Submit button doesn't lead to any changes)



Note that in such a test case, clicking the Cancel Button succeeds:

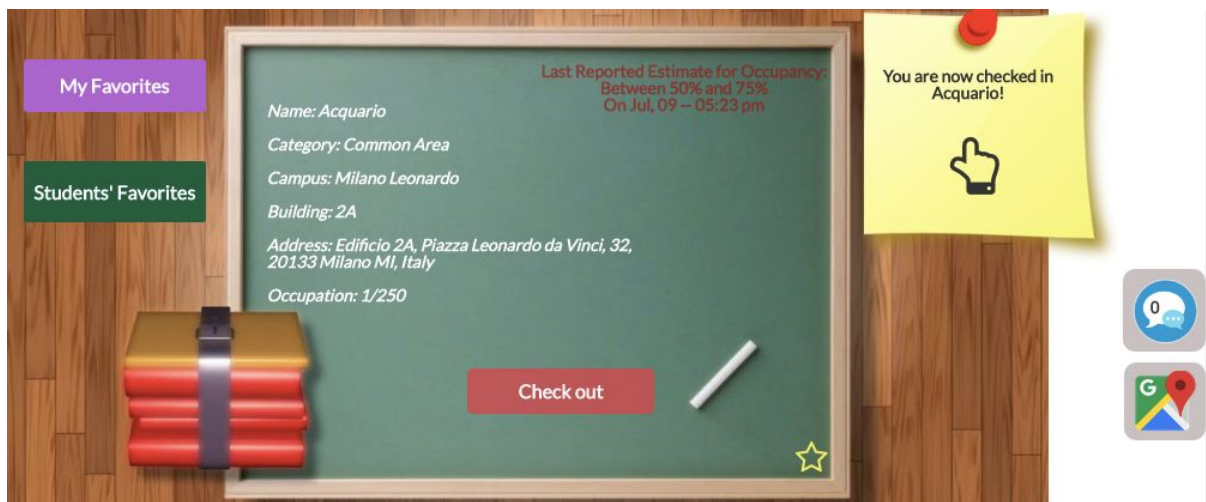


➤ Test case 3

<Selected Study Area = "Acquario", Potential Place = "Acquario", Check-in = "true">

Checking into the same place where the estimate was made

CHECK-IN succeeds



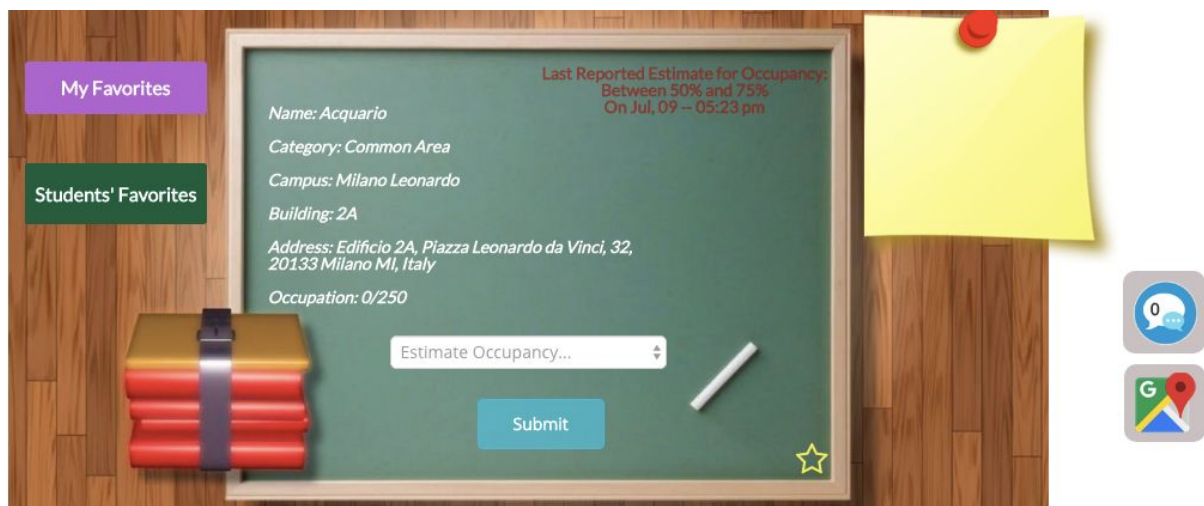
Check-out Changes: Clicking the Check-out button takes the user back to the “Report Estimate” Functionality instead of the Check-in functionality, unlike what was done previously in the past STD document.

➤ Test case 1

<Selected Study Area = “Acquario”, Check-in Place = “Acquario”, Check-out = “true”>

Checking out from the place in which the user was already checked in.

CHECK-OUT succeeds



User Favorites

Requirements: The user can set a selected Study-Area as one of his favorite places, and can also remove it → The place is either added to the current user’s list of favorites or is removed.

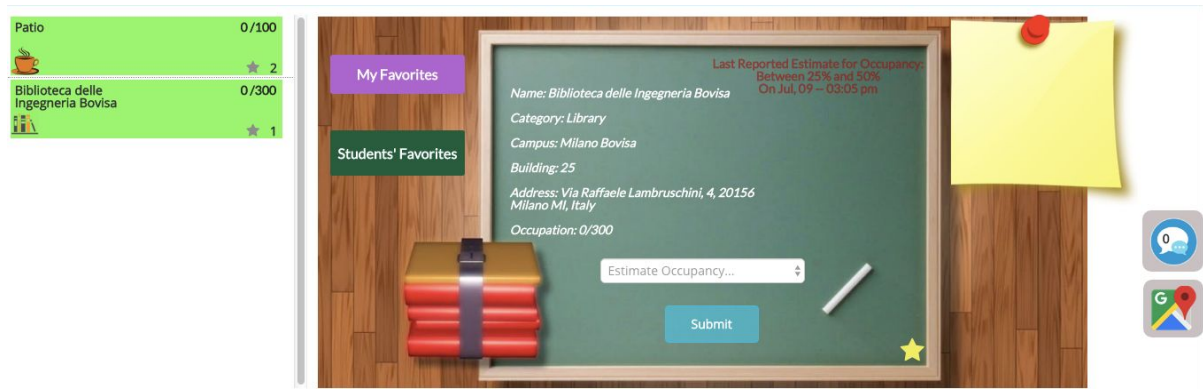
The user can search for his own favorites or the students’ favorites → The corresponding study-areas are displayed accordingly, and are sorted in descending order from mostly favored to the least favored.

➤ Test case 1

<Selected Study Area1 = “Patio”, Set Area1 as favorite = “true”, Selected Study Area2 = “Biblioteca delle Ingegneria Bovisa”, Set Area2 as favorite = “true”, Current User = “jp”, My Favorites Button = “true”>

Filter study-areas according to jp's favored places

USER FAVORITES succeeds (*jp's favorites sorted in descending order of preference*)



➤ Test case 2

<Selected Study Area1 = "Patio", Set Area1 as favorite = "true", Selected Study Area2 = "Acquario", Set Area2 as favorite = "true", Current User = "mk" >

<Selected Study Area1 = "Patio", Set Area1 as favorite = "true", Selected Study Area2 = "Biblioteca delle Ingegneria Bovisa", Set Area2 as favorite = "true", Current User = "jp", Students' Favorites Button = "true">

Filter study-areas according to students' favored places

USER FAVORITES succeeds (*Students' favorites sorted in descending order of preference*)

