

POLITECNICO DI MILANO  
SOFTWARE ENGINEERING 2

GuessBid  
Test Cases

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# Chapter 1

## Introduction

This document provides results of testing Giuseppe Vergori's GuessBid web application<sup>1</sup>. As all possible actions and results are too great, this document will focus on the main functionalities of the application. Each test case will be presented in form of a data table with the following structure:

<b>Name</b>
<b>Goal</b>
<b>Environment</b>
<b>Preconditions</b>
<b>Input</b>
<b>Expected Output</b>
<b>Final Output</b>
<b>Notes</b>

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<sup>1</sup>[https://github.com/beppev/GuessBid\\_824298](https://github.com/beppev/GuessBid_824298)

## Chapter 2

# Test Cases

### 2.1 Registration

Name	Registration
Goal	Allowing guests to create a new account and register
Environment	Registration page of the web application
Preconditions	System installed correctly
Input	Set of inputs for first name, last email, password and confirmed password
Expected Output	The system should create a user and save it to the database
Final Output	The system redirect the user in the login page
Notes	When attempting to register with already registered email, the system does not provide any feedback. After clicking the “Register” button the application only refreshes the password fields

## 2.2 Log in

Name	Registration
<b>Goal</b>	Allowing users to access application's functionalities
<b>Environment</b>	Login page of the web application.
<b>Preconditions</b>	Registered but not logged in user
<b>Input</b>	Set of inputs email and password
<b>Expected Output</b>	System accepts the credentials (email-password combination)
<b>Final Output</b>	The user is logged in and is redirected to his/her personal home page
<b>Notes</b>	After logging in, if you navigate back to guest homepage instead of being redirected to own home page, user can still register another user and attempt to login (which will fail in every case)

## 2.3 Log out

Name	Registration
Goal	Allowing users to log out
Environment	User's home page
Preconditions	User logged in
Input	User clicks the <i>Log out</i> link located in the navigation bar's leftmost corner
Expected Output	System accepts the request
Final Output	The user is logged out in and is redirected to application's guest home page <i>/index.xhtml</i>
Notes	Works as expected

## 2.4 Browse notifications

Name	Browse notifications
<b>Goal</b>	Allowing users to browse their notifications
<b>Environment</b>	User page <i>/user/myMessages.xhtml</i>
<b>Preconditions</b>	User logged in
<b>Input</b>	The user clicks on the notification button
<b>Expected Output</b>	List of all notifications
<b>Final Output</b>	
<b>Notes</b>	Notifications not generated for outcome

## 2.5 Browse auctions

Name	Browse auctions
<b>Goal</b>	Allowing users to browse auctions
<b>Environment</b>	User pages <i>/user/allAuctions.xhtml</i> and <i>/user/myAuctions.xhtml</i>
<b>Preconditions</b>	User logged in
<b>Input</b>	User clicks on the All(My) Auctions button
<b>Expected Output</b>	System accepts the request for a page and redirects user
<b>Final Output</b>	The auction list is displayed with desired results
<b>Notes</b>	None

## 2.6 Create new auction

Name	Create new auction
Goal	Allowing users to create new auctions
Environment	User pages <i>/user/newauction.xhtml</i>
Preconditions	User logged in
Input	Set of inputs for name, ending time and description
Expected Output	System creates a new auction and saves it to the database. Also it sets a timer to go off at the time of auction ending in order to generate outcome notifications for all bidders and the seller
Final Output	User is redirected to the newly created auction's page
Notes	User is not redirected to the newly created auction's page as stated in application's Test Document The interface wrongly allows user to set the ending date before the creation date. Also, these auctions allow users to place bid regardless.



## 2.7 Place a bid

Name	Place a bid
Goal	Allowing users to place bids
Environment	User pages <code>/user/auction.xhtml??idAc=&lt;nb&gt;</code>
Preconditions	<ul style="list-style-type: none"> <li>• User logged in</li> <li>• User is not the seller of the auction displayed</li> <li>• Auction is active</li> </ul>
Input	Input bid (numerical value)
Expected Output	System accepts the bid, saves it to the database
Final Output	System generates a notification for the bidder informing him of his current rank with regard to the auction
Notes	<p>One single user placed a bid multiple times and a notification regarding rank was generated</p> <p>generated:</p> <p>“The Ranking is Update. In the auction 22 you are in position 7 “</p>

## 2.8 Auction ends

Name	Auction ends
Goal	Users receive outcome notifications
Environment	Any user page <i>/user/myMessages.xhtml</i>
Preconditions	<ul style="list-style-type: none"> <li>• User logged in</li> <li>• User is the seller or the bidder of the expired auction</li> </ul>
Input	None
Expected Output	When an auction ends, the system calculates the winner, withdraws the winning amount from winner's account, deposits it into seller's account and generates outcome notifications
Final Output	The seller and all the bidders receive notifications informing them about auction's outcome
Notes	No outcome notifications generated.