



**SOFTWARE ENGINEERING 2**  
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**GuessBid**  
**Testing**  
**Document**

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## **1. Introduction**

The purpose of this document was to provide a detailed description of the product that we had to test.

For some reasons, which will be explained below, this was not possible, so that in this document we focused not only on the description of the problem that has prevented the testing, but also on an analysis of the documentation that the authors of the application in question provided us.

## 2. Detailed Explanation of encountered problems

We had to test Abel Sebsebe Nery and Addisalem Wondie Beshir's project, but, as we explained in the introduction of this document, we encountered some problems, which prevent us to test the application.

We started our operations following the installation manual provided us by the owners of the project, but in our opinion it was not complete nor sufficient to enable us to carry out preliminary activities to launch the application.

In fact the only operation described in that guide described how and where to download the database server and how to import the database created by the two authors.

First we had installed the recommended database server, downloading **postgresql 9.4** from the site indicated, next we restored the database created by Abel Sebsebe Nery and Addisalem Wondie Beshir, as explained in the guide.

The next step of the guide suggested us to start directly the project on NetBeans IDE, but we did not know the settings related to the JDBC connection pool and its resource, so we contacted the creators of the project, that provided us that information.

The next step was to try to connect the database with glassfish; we configured all the settings of connection pool and resource as we were told, and downloaded **postgresql-9.4-1201.jdbc41** from <https://jdbc.postgresql.org/download.html> and place it in the follow path: **/glassfish4/domains/domain1/lib** , but when we tried to ping it seems that the connector hasn't been recognized and it stops the deploy of the application.

We think that there was a problem in the installation guide, because of its incompleteness and poor clarity.

Another factor that may have complicated the installation was the use of another database server respect to the suggested one; in fact, our customers, that is, the teachers, recommended the use of MySQL, while in this case Postgres has been used.

### 3. Use Cases and Rasd Analysis

As previously said, it hasn't been possible to test all the use cases described by the authors in their *Requirement Analysis and Specification Document*, in particular those regarding the functional requirements of the system, which are:

- Signing Up
- Login
- Creation of an auction
- Bid for an auction not created by the same user

In RASD, the functional requirement concerning notifications, in particular those relating to the end of an auction, is not mentioned, so we would definitely have mentioned it in our paper.

Another thing concerning the use case to which we would surely have referred is the possibility to edit and / or delete an auction; we think that it would be a problem because it could create conflicts with existing bids relating to an auction modified or deleted later.

## **4. Conclusions**

We were not able to test any functionality of the system, also due to incomplete or not accurate documentation, so we tried to explain clearly what problems we encountered and how we tried to deal with them, adding a brief analysis of the use cases provided us and that we would have to test.