**Non-functional-testing**

* Volume Testing = Large amounts of data

Our application supports a large amount of records in data base and BST implicitly. One may think that searches in BST would degenerate into a linear search if someone chose only “increasing” plaintexts. This could be avoided through a rebalancing operation (but it really happens with negligible probability).

* Load Testing = Large amount of users

To be tested: we started the application and logged in with 30 concurrent users, each of whom managed to access their data. Also it will be tested when it is used in the cloud.

* Stress Testing = Too many users, too much data, too little time and too little room

We tested the application by doing 1000 consecutive SELECT/INSERT/ALTER queries and everything went well, which means the application has stability.

* Security testing.

Confidentiality is ensured by the fact that each user's sensitive data are encrypted (so hidden) in the database. A leakeage of the database would not imply any security issue.

We tried to make a SQL injection attack and our application resisted because we use dynamic parameters in our queries. More security testing should be done in the final steps.