Performance Tests:

To test the performance of our system, we would like to test mainly two things: the interface and the database. Because most of our interface testing relies on the database, we would spend probably around 70 - 80% of the time on the Database testing and around 20 - 30% of the time on the interface.

Database Testing:

The first thing we would like to test is the database. To do this, we could automate a way to put fake questions into the database just to load it up (ex. Uploading several thousands of questions and subjects). Then given the large quantity of information in the database, we would see if they're all included. Does the quantity of information slow down the speed of the queries? Does this slow down the functionality of creating exams or entering more questions?
In addition, we would want to create a rather long and unruly question to see how the database handles that as well. If it's really long could it create overflow errors?
Lastly, we would want to check to make sure if you enter in code or quotation marks will it make the sqlite error?

Interface Testing:

Now that there are tons of things in the database, we need to see if the interface can handle it. For example, there is the question list view which displays all the questions. Now that there are thousands of these questions, will the screen take longer to load? Will all of the questions be visible or will it not display them all? This is the same for the combo box that displays all the subjects in the "Input question" screen and the subject box for the selection box on the "create exam" screen.