



Abstract Design for Test application

Abstract

The application only shows the questions, answers, etc. The application does nothing with any intelligence. It has to store the data on a centralized server (XML) and can retrieve data from the server (XML).

Structure application

The application consists out of three main elements. The menu structure (screens 2.x), practicing tests (screens 3.x) and check the answers (screens 4.x).

Menu structure

The menu structure has three entrances. The user can "choose a test", "select a test based on keywords/subjects" and open a saved test. A saved test is a test which the user made earlier.

Practicing a test

When a test is generated it can be practiced. The data will be stored on a central server. When somebody finishes a test, the test has to be checked.

Check test

A test has two different questions. The computer (server) can check one of the questions by itself. The user has to check the other one manually.

Structure test

A test has a special structure with an introduction, one or more sections (chapters) and finally each section has one or more questions. A question can be connected to one or more attachments.

Sample structure

Quest. #	Section	Question
0.	Introduction	
1.	First section	Question 1
...		Question ...
X		Question x
x + 1	Second section	Question x + 1

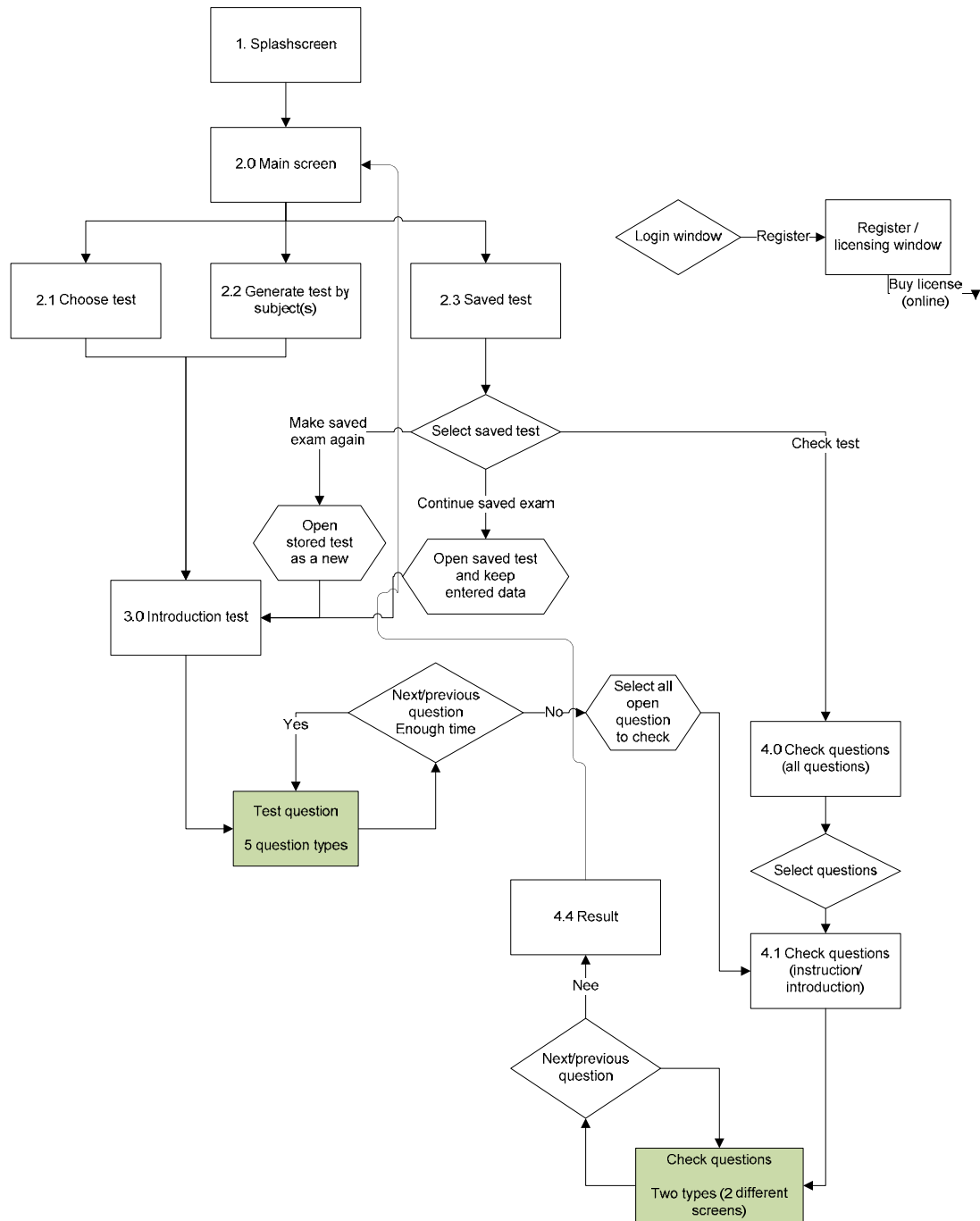
...		Question ...
Y		Question y
...	... second	Question y + 1
...		Question ...
...		Question z
z + 1	Last second	Question z + 1

In total there are five types of screen lay-outs necessary.

Password

The login windows can appear when the webserver gives a 404. This can happen at any time.

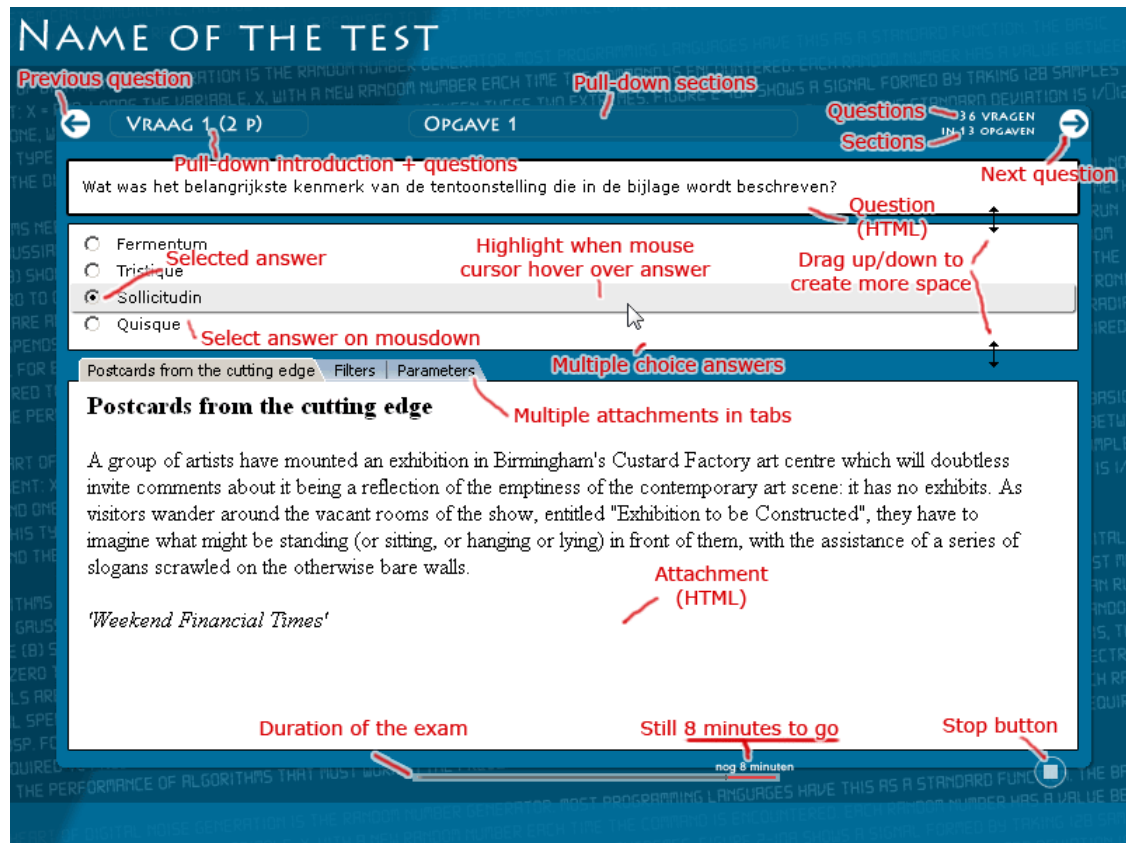
Flowchart



Screen 2.1, 2.2 and 2.3 are essentially the same. The only difference is the content.

Graphical design

Below is a sample of one of the screens. Most screens have a similar lay-out and functionality. This is a sample of a screen with almost all options which are used in the application.



Designs

There is a functional design, protocol design (XML) and graphical design available.