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# Introduction

The ultimate objective is to automate the processing of the tests that medical practitioners can take to obtain CPD points. There is great interest, also from doctors and pharmacists in Namibia.

At a more generic level, this system can be used to conduct any kinds of surveys. See S360!

Apparently MSD is a Medical online school that does something similar.

# Portfolio

It should be possible to display to a user all the tests that can be taken. This should include the expiration date for the test.

In addition, it should display all tests that has been taken and which are in the process of being taken.

It should be possible to request duplicate copies of certificates that might have been lost.

# Subscription

In order to take the test, a user will have to have a valid CustomerId, even if he does not have any active subscriptions at that point in time. In this way there is an incentive for doctors to give us their details, even if we use it only for Find a Doctor.

The cost of the test will cater for one accreditation and for a maximum of two tests per module.

# Business rules

## Completion

Before a test is marked, the user will be warned if all questions for that module have not been answered.

A user can answer some questions of a module and come later to do others.

A user can move forwards and backwards within a module.

## Focus

A person cannot submit answers for one module if he has another module that has not been submitted for testing yet. A module is considered to be active when the Result record exists but the score has not yet been filled out. There should be only one of them per customer at a time.

## Authentification

Since the certificate is made out to the person corresponding to the CustomerId, there is no incentive for fraud.

There is an option, however, to request other information to see if it tallies with information we have on the customer already.

The certificate will be sent to the Customer as a PDF attachment.

# Versioning

## Version 1: Administration and manual operation

This will be a desktop app used to:

* set up the tests
* mark them
* generate the certificates

The idea is to give Lynette relief on her current workload a.s.a.p., before end August.

We want to handle two subscriptions this year (2011)

## Version 2: Online testing

In this case, users will Pay as per normal subscription, i.e. a test will be a special kind of subscription. But they will take the test on the internet.

The online version should cater for adverts, particularly prescriptions related to the questions under consideration.

## Version X: Online subscription and payment

This amounts to a web interface to the MIMS system as far as subscriptions go. It will then cater for test and s

# Architectural considerations

The challenge of this system is that the data structures that you want to pass over the web is not a single linear one. What you want to pass out is hierarchical, and what you get back might be linear?

Your proposal is to use XML to carry the data structures, rather than rendering the form as static HTML, or a very long piece of HTML. That means that you want the browser to execute code that interprets XML and returns XML.

Can this be sent in standard request/response objects, or do you need another mechanism? Should one perhaps use a separate service to push the XML up and down?

What datagridview functionality do you have on a web page. Work with that control!

See how OSP does it.

# ER diagram

