



Case Study



Capula have been specialising in IT services and solutions to the NHS and private healthcare markets since 1988 and are one of only a handful of European suppliers capable of competing on the world stage, with systems in use in public and private hospitals in the UK, the USA and Italy, in South Africa and in the Middle East.

Oasis

Oasis is recognised as one of the leading Electronic Patient Record solutions (EPR) in the market place covering the total management of patient care before, during and after its delivery, benefiting the whole healthcare community, from consultants to GP's, hospital managers to nurses, secretaries to finance officers.

New Requirements

Recent government policy has accelerated the drive to web enabled applications within the NHS. Capula had enabled patient records to be accessed from mobile devices and web browsers through e-oasis a JSP front-end which ensures patient data is available wherever it is needed – from GP surgeries to the hospital bedside. However, there was now a business imperative to web enable the entire application as Capula had secured a prestigious contract to be delivered within 6 months. This left Capula with 2 options; extending e-oasis or migrating Oasis to web forms.

Oasis

Oasis was originally developed in Forms 4.0 and now comprises over 500 screens. The sheer breadth and depth of functionality made any redevelopment exercise daunting.

The screenshot shows a 'Patient details' window with the following data:

- Appointment details:**
 - Patient choice: [Empty]
 - Booking Item: 1121120 ECG
 - Transport: [Empty]
 - Consultant In Chrg: 613 FERGUSON, Ms Lynn
 - Taking Appt: 613 FERGUSON, Ms Lynn
 - Specialty: A2 CARDIOLOGY
 - Location: [Empty]
 - Asset: [Empty]
 - Community Care: [Empty]
- Referral details:**
 - Pat Category: NHS NHS CONTRACTS
 - Source: [Empty]
 - Organisation: SEAFORD HEALTH CENTRE
 - Referrer: MELLOR CS
 - Type: [Empty]
 - Reason: [Empty]
 - Diagnosis: [Empty]
 - Letter Ref: [Empty]
 - Received: 13/04/2004
 - Seen By Ref: [Empty]
 - Letter Sent: [Empty]
 - Ref. urgency: [Empty]
- Originally referred to:**
 - Int. Consultant: 613 FERGUSON, MS LYNN
 - Specialty: A2 CARDIOLOGY
- Guarantee:**
 - Exception: [Empty]
 - Deadline days: [Empty]



Capula were conscious that Forms Developer is specifically designed and optimised to build transactional database applications and delivers a productivity which as yet is unmatched by any Java IDE, as e-oasis development had borne out.

The costs and timescales involved in extending e-oasis and concerns about functionality compromises led Capula to commission Griffiths Waite (GW) to deliver a Web Forms proof of concept to determine:

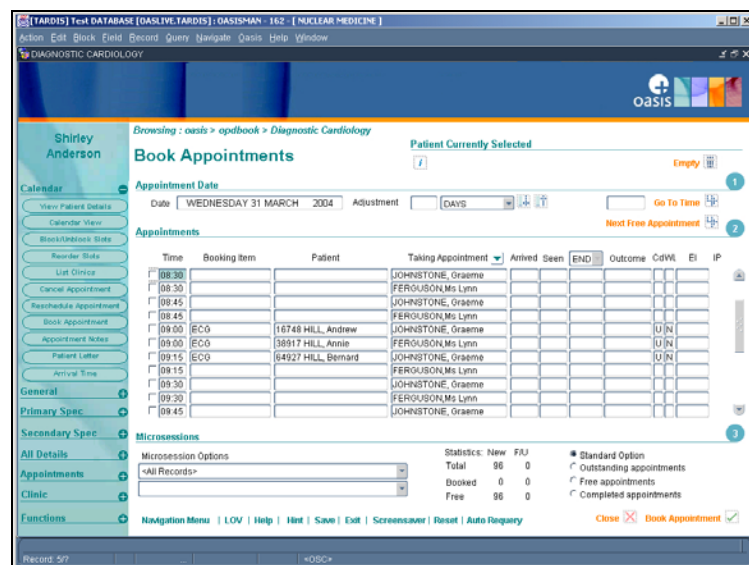
- feasibility of migrating oasis to web forms both technically and within the required timescales
- the degree to which a 'web' look and feel could be achieved within Forms
- complexity of integrating GW's Accelerator Components. The Explorer was selected for initial inclusion.

Rebranding

As part of the web upgrade GW were asked to rebrand Oasis and more closely align it with e-oasis, whilst, at the same time ensuring that the rich forms functionality was not lost when delivering a web User Interface.

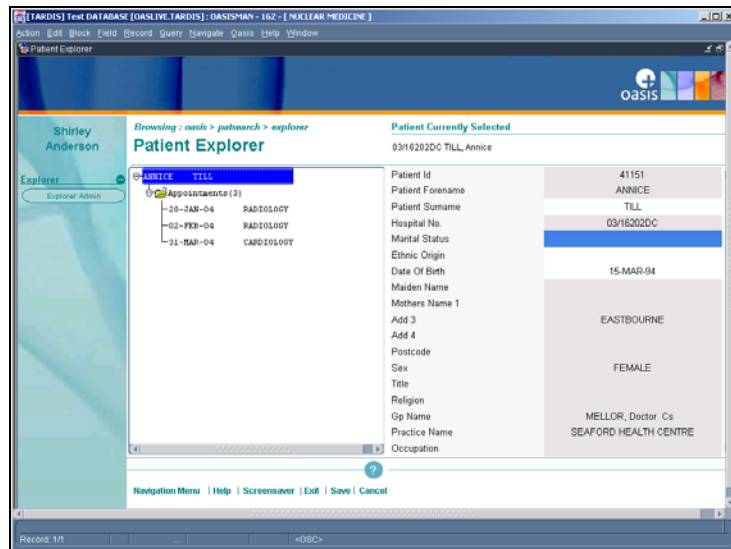
GW took advantage of the Java extensions available in Web Forms to customise the Forms User Interface using JavaBeans and Pluggable Java Components (PCJs) to deliver a Web UI that not only complemented e-oasis but also extended it by implementing hot link text items and rollover graphical buttons and to efficiently render images with no loss of quality on the web.

Rebranded Oasis





Within four weeks GW completed the rebranding of oasis and upgraded the Patient Bookings module to Web Forms with the new look and feel. During this period GW's Explorer component was also seamlessly integrated into Oasis improving access to patient data.



Results

The proof of concept confirmed that Oasis' existing client/server forms could be migrated to the web without having to rewrite any code or business logic saving Capula many man years of redevelopment effort.

The rebranding exercise worked so well that Oasis and e-oasis could now be considered as one product with a single identity and this combined with the introduction of Explorer gave Oasis a modern and slick user interface that surpassed anything else currently on the market.

The proof of concept exceeded Capula's expectations and they are now confident that they can deliver a fully web enabled application within months giving them a unique offering which positions them at the forefront of the government's drive to modernise the NHS.



Griffiths Waite
Ground Floor Atrium
Centre City
5-7 Hill Street
Birmingham
B5 4UA. UK.

T +44(0)121 643 4300