http://www.matrix.co.il/en/Customers/Pages/Tafnit-health.aspx

Industries: Health, Finance, Industry, Government

Oracle Products & Services:

• Oracle ADF Mobile

• Oracle Forms 11g R2

• Oracle Forms 10g

• Weblogic 10.3.6

Project Scale:

• 3000 Oracle Forms in Desktop Forms system

• 9 AMX pages

• 12 Taskflows

• Less than 60 staff hours to develop

OraPlayer Ltd.

http://www.oraplayer.com

Industry:

• Oracle Modernization Software Provider

Oracle Products & Services:

• Weblogic 10.3.6

• JDeveloper 11.1.2.3

• ADF Mobile 11.1.2.3

MATRIX MOBILIZES ORACLE FORMS-BASED "TAFNIT ERP" USING ORACLE ADF MOBILE AND ORAPLAYER

"As a global software provider we were looking for a way to increase efficiency and maximize information availability for our medical center customers. ADF Mobile and OraPlayer allowed us to mobilize our desktop Oracle Forms surgical scheduling application without redevelopment, saving us and our customers' critical time and money. I couldn't have asked for a better solution." - Avi Greenberg, Director of Development, "Tafnit ERP" by Matrix

Executive Summary

Matrix made the surgical scheduling module of its "Tafnit ERP" system accessible from mobile devices using ADF Mobile and OraPlayer. Tafnit ERP, built by Matrix, is a comprehensive Oracle Forms-based system for the management of enterprise organizations and specifically medical centers across the world. In line with its corporate mission, Matrix is constantly seeking to improve its offering and was looking to mobilize processes for maximum efficiency and productivity. As the first such project, Matrix sought to mobilize the surgical scheduling module of its Tafnit application for medical centers. Tafnit is used to schedule over 500 different types of procedures for over 2,000,000 patients.

This upgrade was made possible through Oracle ADF Mobile whose open architecture was a perfect complement for OraPlayer's flexible solution to service-enable existing Oracle Forms applications. This winning combination allowed Matrix to implement its mobile upgrade in a matter of days without any costly redevelopment or migration of the underlying system.

"Using Oracle ADF Mobile with OraPlayer enabled Matrix to preserve their investment while quickly extending their applications to the mobile world without migrating the core application. Now they have a low maintenance way of having both a Mobile UI as well as a Desktop Java Applet UI for the same Forms business logic providing significant business value." - Mia Urman, CEO OraPlayer

The Business Issue

Before the mobile upgrade, Tafnit ERP was only available as an Oracle Forms desktop application. As a result, surgeries were scheduled via fax to the call center at a given medical center where operators would manually enter data into the desktop Tafnit ERP system on behalf of surgeons. Surgeons who wished to access information about their own scheduled surgeries could do so only through this central call center by phone or by fax. With potentially hundreds of specialists and thousands of procedures at any given medical center, this method significantly limited efficiency and impeded responsiveness.

The surgeons, the medical centers most important resources, did not have access to critical information about surgeries in a timely and efficient manner. Matrix was looking for a way to help the medical centers put the surgeons first by providing them with the most convenient and efficient access to surgical information to improve the standard of care they could provide to their patients. This is what drove the decision to make the scheduling system available on mobile devices – on the go. The upgrade allowed Tafnit to streamline procedures, reduce bureaucracy and maximize availability of critical information where and when the surgeons needed it most.

Modernization Project Description

Tafnit ERP by matrix found a winning solution to modernize its Oracle Forms application with a combination of OraPlayer and Oracle ADF Mobile. Using OraPlayer's technology, a SOAP web-service was automatically created from the Oracle Forms system to enable all surgical scheduling data to be accessed from any mobile device. Then, using the robust Oracle ADF

Mobile framework, an application was created with Mobile UI screens that supported both iOS and Android from one codebase. Within less than a week of development a new mobile offering had been created enabling customers to access surgery scheduling data and patient information from anywhere at any time.

OraPlayer's unique solution together with ADF Mobile's open framework gave Tafnit a zero-redevelopment and low maintenance option to allow mobile access to surgical scheduling data. The OraPlayer technology runs the existing Forms system silently in the background, so every change to the desktop Forms system is automatically reflected in the new mobile app. As a result, only one source of business logic needs to be maintained by Tafnit customers. The mobile-enabled system was ready to go in a matter of days without any costly redevelopment or QA.

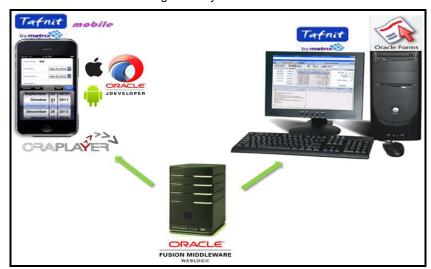## About Matrix —Tafnit System

Matrix is a leading information technology company in Israel, employing over 6,500 IT professionals. The company develops and implements software solutions and products and provides infrastructure and consulting services. Matrix is traded on the Tel Aviv stock exchange with 2012 sales revenues of 2 billion NIS. "Tafnit" is a comprehensive ERP system built by Matrix for the management of enterprise organizations in the field of Health, Finance, Telecom, Industry and Government.

About OraPlayer

OraPlayer is a cutting-edge technology company dedicated to breathing new life into Oracle technologies. The company's innovative solutions optimize and automate Oracle Forms and ERP systems. OraPlayer's solutions allow companies to enter the world of cloud and mobile with existing systems without redevelopment. In addition, OraPlayer helps reduce the costs of maintenance of Oracle Forms systems with performance monitoring, user auditing, and automated QA testing solutions.

Project Architecture

Both the "Tafnit ERP" desktop system and the Tafnit Mobile app connect to the same Oracle Forms11g application running on Oracle Weblogic server. Whereas the desktop application uses an applet to present the form; the Oracle ADF Mobile UI uses an OraPlayer webservice to run the Forms business logic silently on the Forms server.

Credits:

Mia Urman, OraPlayer

Israel Greenfeld, GENERAL MANAGER, Tafnit ERP - Oracle Group

Revital Levi, Head of Finance Team, Tafnit ERP - Oracle Group
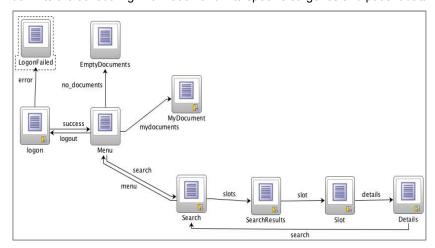
Oracle Product Management - JDeveloper / ADF

Published June, 2013

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Task Flow Diagram of System

The Oracle ADF Task Flows allow the user to navigate through the login screen and menu down to the scheduling information and into specific surgeries and patient data.

Application View

The user begins by entering credentials into the login form, and then the user enters the surgery scheduling application and selects the date/time search criteria for their appointments. The resulting appointment blocks are returned where the user can view all surgeries scheduled for a specific time block, including location, surgery and patient details.

Login Page   **Enter date search criteria**   **Surgery Detail Page**

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