



Company: ECSTeam, Inc.

Location: Greenwood Village, CO

Url: <http://www.ecsteam.com/oracle>

Industry: Professional Svcs

Oracle Products & Services:

- Oracle JDeveloper / Oracle ADF 11g
- Oracle ADF Mobile
- Oracle WebLogic Server

Project Scale:

- 6 AMX pages
- 5 Taskflows
- 2 Developers
- Less than 80 staff hours to develop

Credits:

Greg Opie, ECSTeam, Inc.

Lynn Munsinger, Oracle

Dana Singletery, Oracle

ECSTEAM, INC.

“It is amazing to see an application built with familiar ADF concepts and a single common code base running on both Android and iOS with no modifications. The many capabilities provided out-of-the-box is a huge benefit of ADF Mobile that saved us development time.” - Kurt Kellner, CTO at ECSTeam, Inc.

Overview & Goal

ECS is a Professional Services firm that delivers business value through technology and strategic services. A recent project developed is an application known as EI Perico for Synergetic Systems Management LLC (SSM). The goal of SSM is to provide affordable information systems with a focus on quality customer service that small to medium sized health agencies can afford. The EI Perico application fulfills this goal by providing a comprehensive web-based behavioral healthcare application licensed by agency and user in a Software as a Service (SaaS) model. The latest advancement to EI Perico is the ability to provide critical content to mobile devices.

Organization

The intended users of this application are behavioral healthcare providers aiming to improve patient care. In the mobile use case for crisis data, the healthcare provider needs quick access to the relevant information on an individual to assist with emergency situations.

“In a behavioral health crisis situation, it is so important to have instant and secure access to client information. The mobile application for EI Perico is a real asset for responding to a crisis or police call – timely resolution helps prevent someone from harming themselves or others.”

- Donald R. Naranjo, Ph.D., CEO at Synergetic Systems Management

Solution & Results

EI Perico has an explicit “crisis plan” report. Making this information more timely and portable turned out to be a perfect use case for ADF Mobile as it delivers content in a crisis situation to a mobile device anytime, anywhere. The knowledge that ECS already had from their development of the Oracle ADF web-based EI Perico SaaS application transferred seamlessly to the ADF Mobile scenario. The straightforward and elegant use case was to make the crisis plan available on a mobile device.

To build the mobile application, ECS leveraged the business services already built for the Web application, exposing Oracle ADF business components as SOAP Web Services, and served these up to the ADF Mobile application through a simple web service data control. This data control enables for binding of components on the Oracle ADF Mobile AMX pages much like you would do in traditional ADF development. Navigation was handled through standard ADF taskflows.

Leveraging the productivity offered by Oracle ADF Mobile, the mobile application was completed with less than 80 hours of development.

The capabilities provided by EI Perico Mobile include:

- Secure access to the application and data, using the same credentials the care providers use to access the web-based application.
- After logging in, a provider is presented with a list of only the

consumers they are authorized to see.

- The care providers may choose any of the consumers and get the full Crisis Plan for that consumer. This information was previously only available by printed report or by accessing multiple web-based screens.
- From the Crisis Plan, the provider can easily access different areas of the plan and access contact information for the consumer (e.g., home telephone, home address) so that the provider can utilize on-device functions to contact the consumer.

Business Value

El Perico Mobile solves one of the most urgent problems for users of El Perico: instant and secure access to consumer data in the event of a crisis. Rapid access to contacts, consumer history and treatment plans are critical to consumer health and timely resolution of a crisis.

Benefits realized by the ECSTeam through the use of ADF Mobile:

- Faster time-to-market
- Reuse of existing skills
- Less than half the development effort of two native apps, iOS & Android, with one solution

“A well designed mobile application provides the right information at the right time, and El Perico Mobile is an example of a purpose-built mobile application that drives real business value. Our experience with mobile and the technology provided by ADF and ADF Mobile enabled us to develop this application for Android and iOS devices in an extremely efficient and cost-effective manner.”
- Greg Opie, Director of Solutions Architecture at ECSTeam

Application View

From left to right you see the El Perico ADF Mobile application splash screen, alphabetical listing of consumers per health care provider, the details for a specific consumer with native device functionality provided through ADF Mobile components with PhoneGap integration for placing a call or email all available at the touch of a screen, on the last screen a carousel is used to show medication details for the consumer.

