

Business Applications for a Mobile World

CRM Lead App

Shelley Chase
Senior Software Architect
6th October 2014

PROGRESS
EXCHANGE 2014

Welcome to the Workshop

Your Hosts

Shelley Chase

Ricardo Perdigao

Richard Stone

Edsel Garcia

This Workshop

- You will build a CRM Lead Mobile Application based on the CRM Application
- The workshop is segmented in 3 parts

Today's Goals

- Enjoy working with Rollbase Mobile
- Understand how to rapidly and efficiently build a Business Mobile App.

Workshop Flow, Begin at 9 AM / Finish at 12PM

9:00 AM	<i>Introduction to Rollbase Mobile + CRM Application</i>
9:30 AM	<i>Designing and Develop a Business Mobile Sales Lead App</i>
11:15 AM	<i>Mapping - Integrate with the Device Geolocation Service</i>
Noon	<i>Smiles all around</i>

Welcome



User

Password

Enter your login credentials

CRM Mobile

- All Leads >
- Open Leads >
- Today's Leads >
- MAP >

Back All Leads +

- + Alan Simons
- Alfred Arnott
- andrew wigger

Name Alfred Arnott

Company Arnotts

Phone (614)232-32323

Status Open - Not Contacted

Back Lead Detail

Mobile CRM - specifically Leads

Workflow Status Open - Not Contacted

Rating Hot

First Name Alfred

Last Name Arnott

Mobile Phone (614)232-32323

Company Arnotts



Cancel New Lead Save

Lead Description & Rating

Building Mobile Business Applications

Lead Information

First Name

Last Name

Mobile Phone

Company

Back Map

400 queens st, brisbane,qld



Part 1: Introduction to Rollbase Mobile

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Workshop Introduction

- Quick Overview of Rollbase Mobile
- Labs on how to
 - Create a new Mobile App
 - Design pages and navigation
 - Read Leads, Add Leads and Invoke operations from the Rollbase Server
 - Using the Geolocation Service

Workshop Prerequisites

- BYOD – Windows 7 or 8 laptop
- Wireless Connectivity
- Progress Pacific Community ID
- Google Chrome Browser or Safari Browser
- (Optional) Get QR Reader App
- Download Rollbase Tester App
- Leave your mobile on, you may want to test your work!

- Rollbase trial subscription – **provided for you**

Accessing Rollbase applications from mobile devices

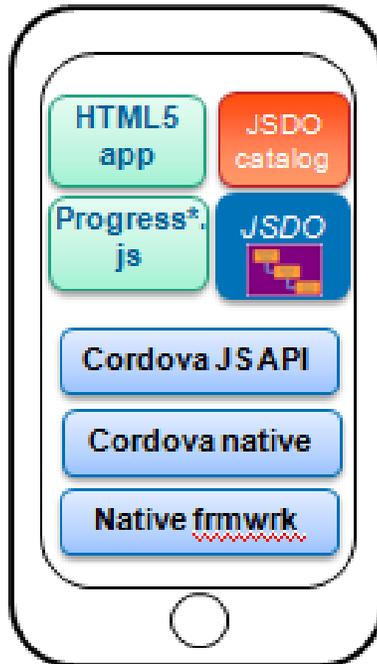
- Rollbase Web App with **Mobile-Web enabled**
 - Generated HTML5-compatible version of a Rollbase application
 - Mobile Web App created – no device interaction
- Rollbase Mobile
 - Mobile App Builder
 - Cloud-based Visual Designer
 - Connect to Data and Logic
 - Access Native Device Services and REST API Services
 - Push notifications
 - Emulator for testing
 - Exports
 - Hybrid Mobile Apps
 - Mobile Web App (like Rollbase Mobile Web but customizable)

Run-time architecture

Mobile App



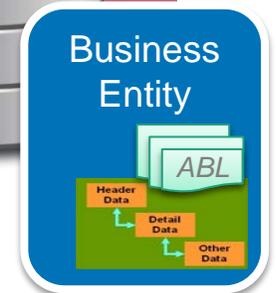
Native



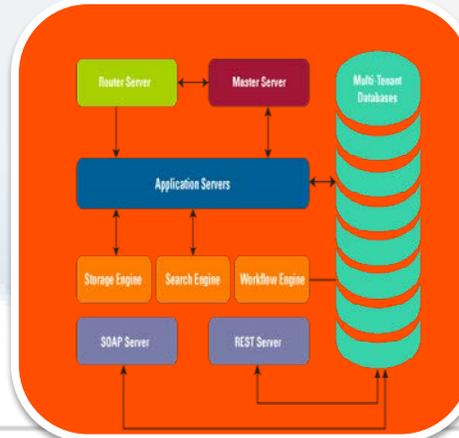
Web Server (could share RB Server)



OE AppServer (on-premise)



Rollbase Server



Lab 1: Creating a Mobile App project

In this lab, you will install the CRM application and create a Mobile App project.

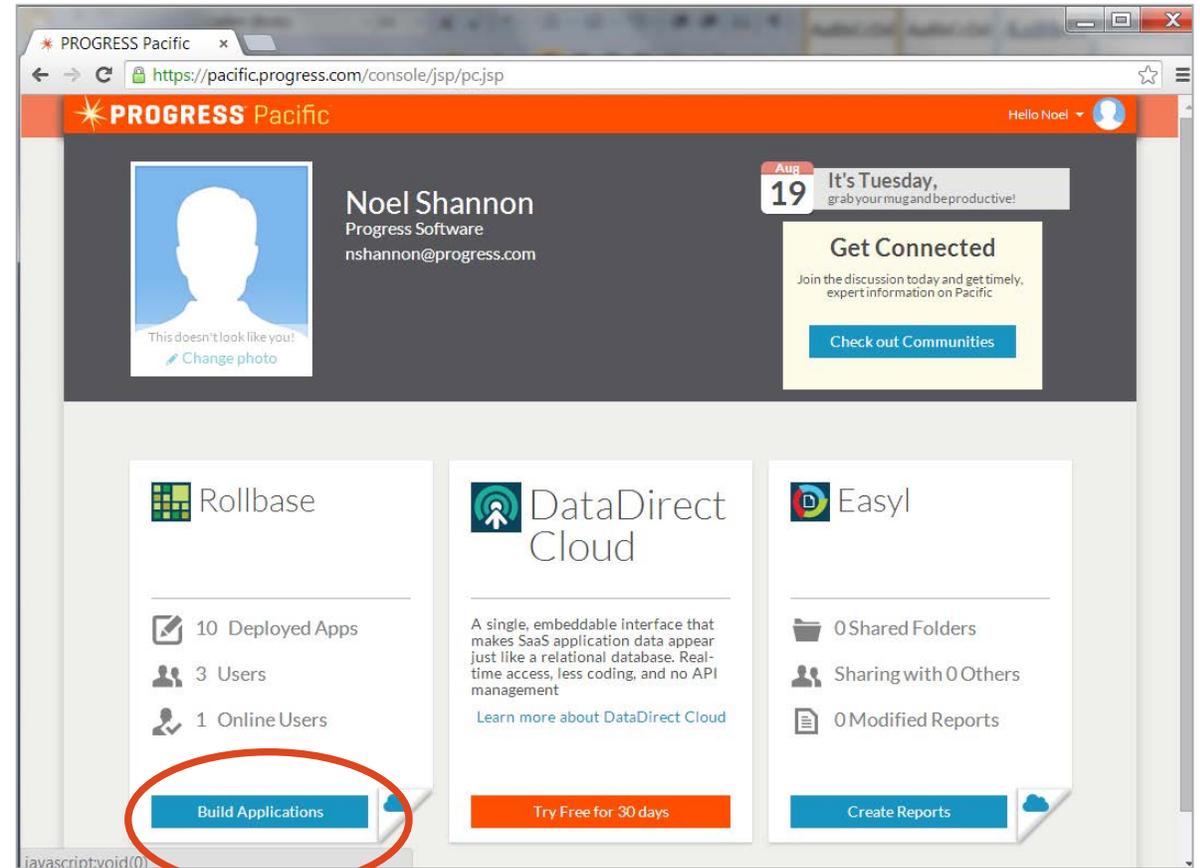
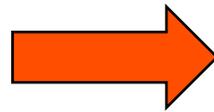
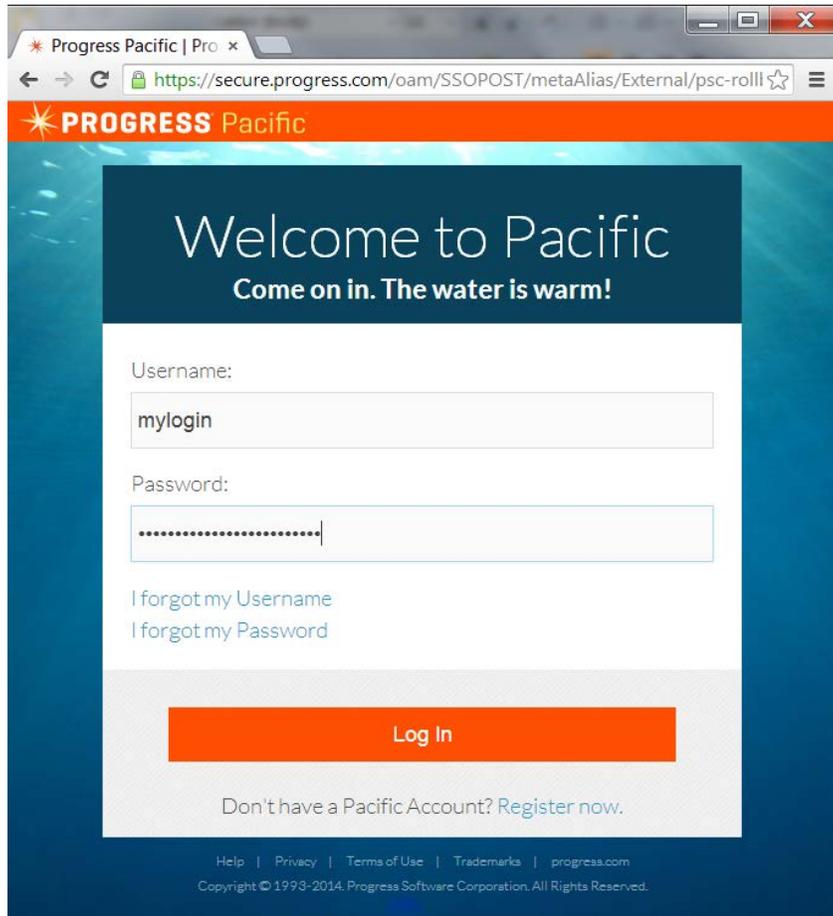
Lab 1.1—Installing the CRM Rollbase application

Lab 1.2—Creating a Mobile App project

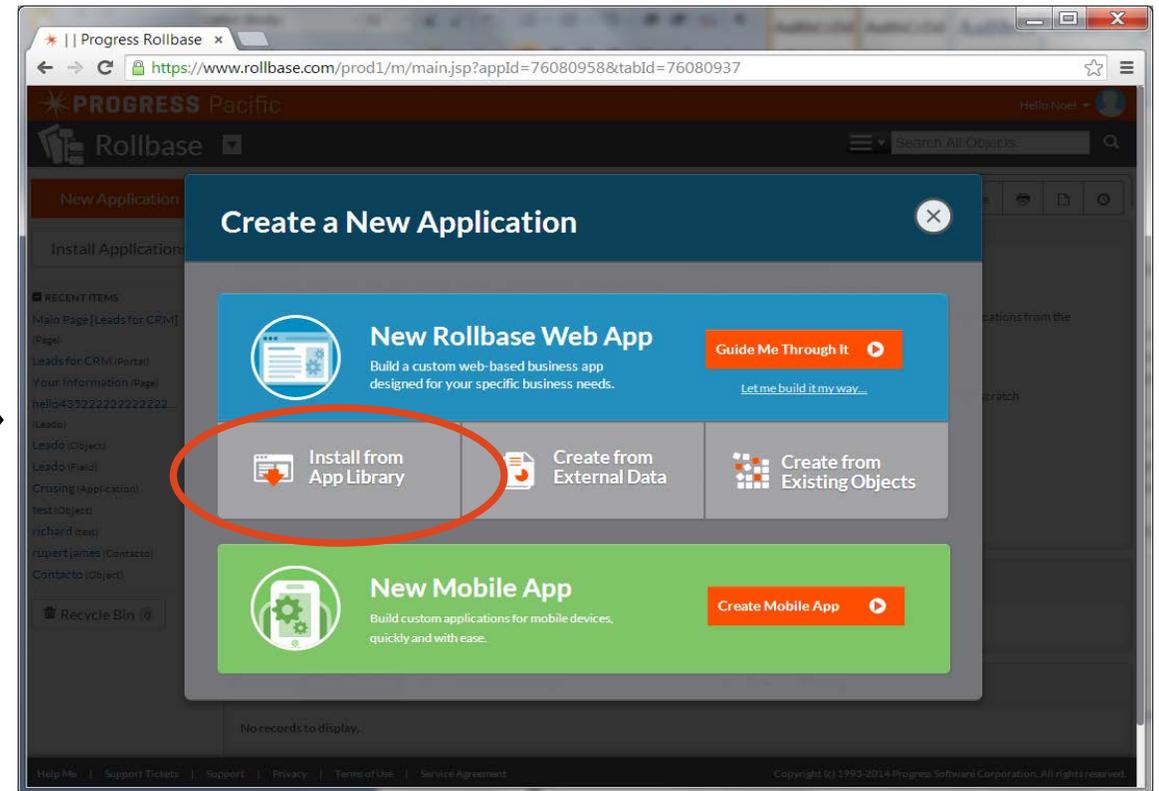
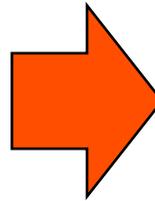
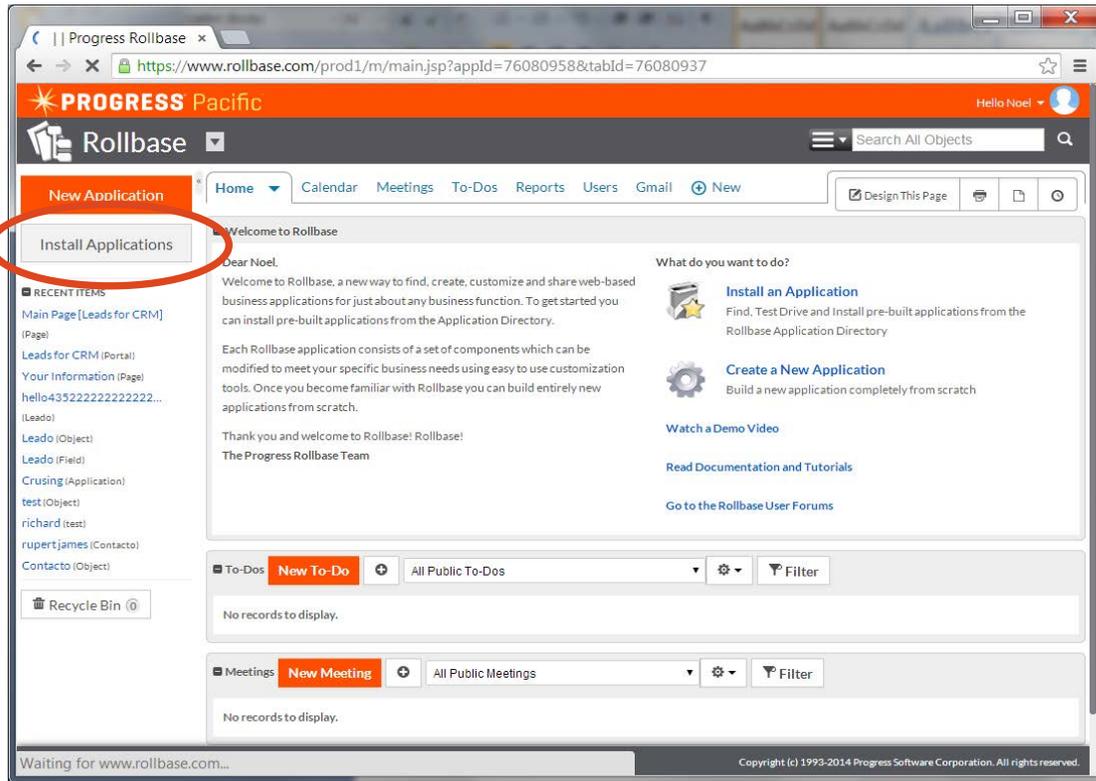
The lab steps take approximately 15 minutes to complete.

Lets do a quick walkthrough...

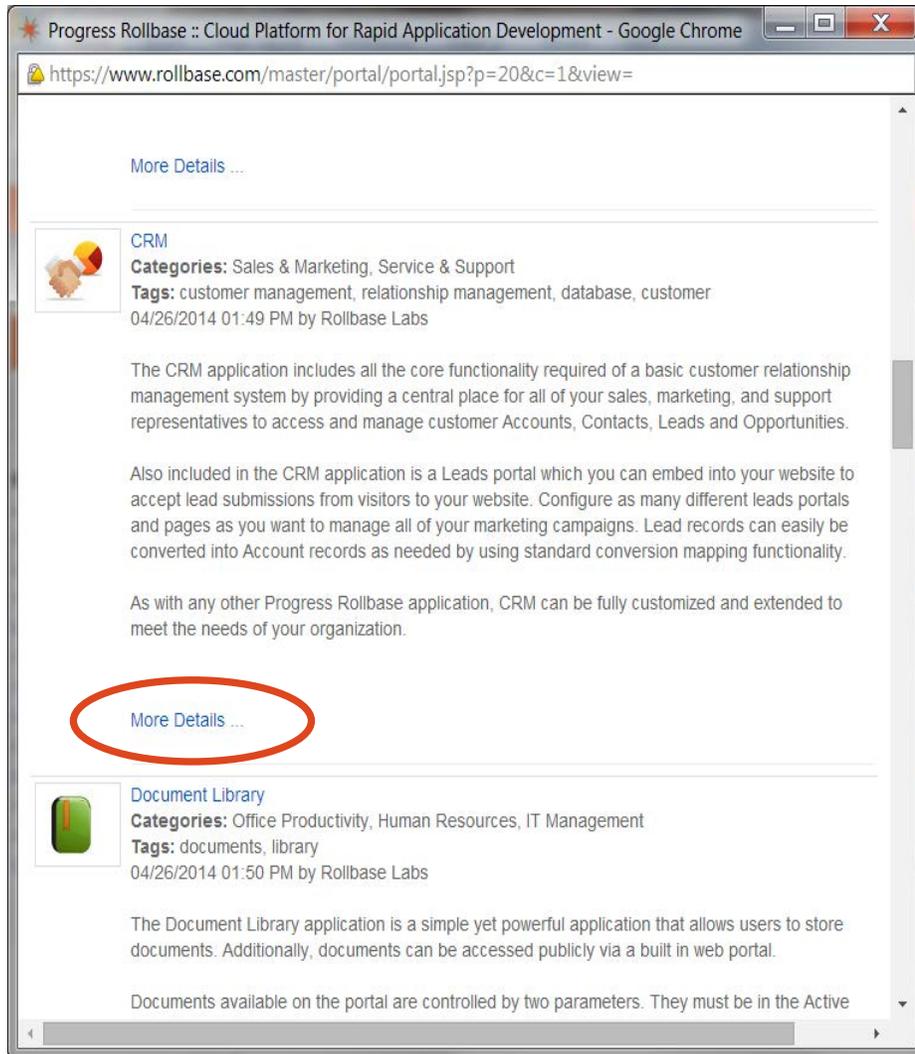
Lab 1: Login and Select Build Applications



Lab 1: Select Install Application & Install from App Library



Lab 1: Install CRM; Select *More Details* for CRM, then Install Now



Progress Rollbase :: Cloud Platform for Rapid Application Development - Google Chrome
https://www.rollbase.com/master/portal/portal.jsp?p=20&c=1&view=

[More Details ...](#)

 **CRM**
Categories: Sales & Marketing, Service & Support
Tags: customer management, relationship management, database, customer
04/26/2014 01:49 PM by Rollbase Labs

The CRM application includes all the core functionality required of a basic customer relationship management system by providing a central place for all of your sales, marketing, and support representatives to access and manage customer Accounts, Contacts, Leads and Opportunities.

Also included in the CRM application is a Leads portal which you can embed into your website to accept lead submissions from visitors to your website. Configure as many different leads portals and pages as you want to manage all of your marketing campaigns. Lead records can easily be converted into Account records as needed by using standard conversion mapping functionality.

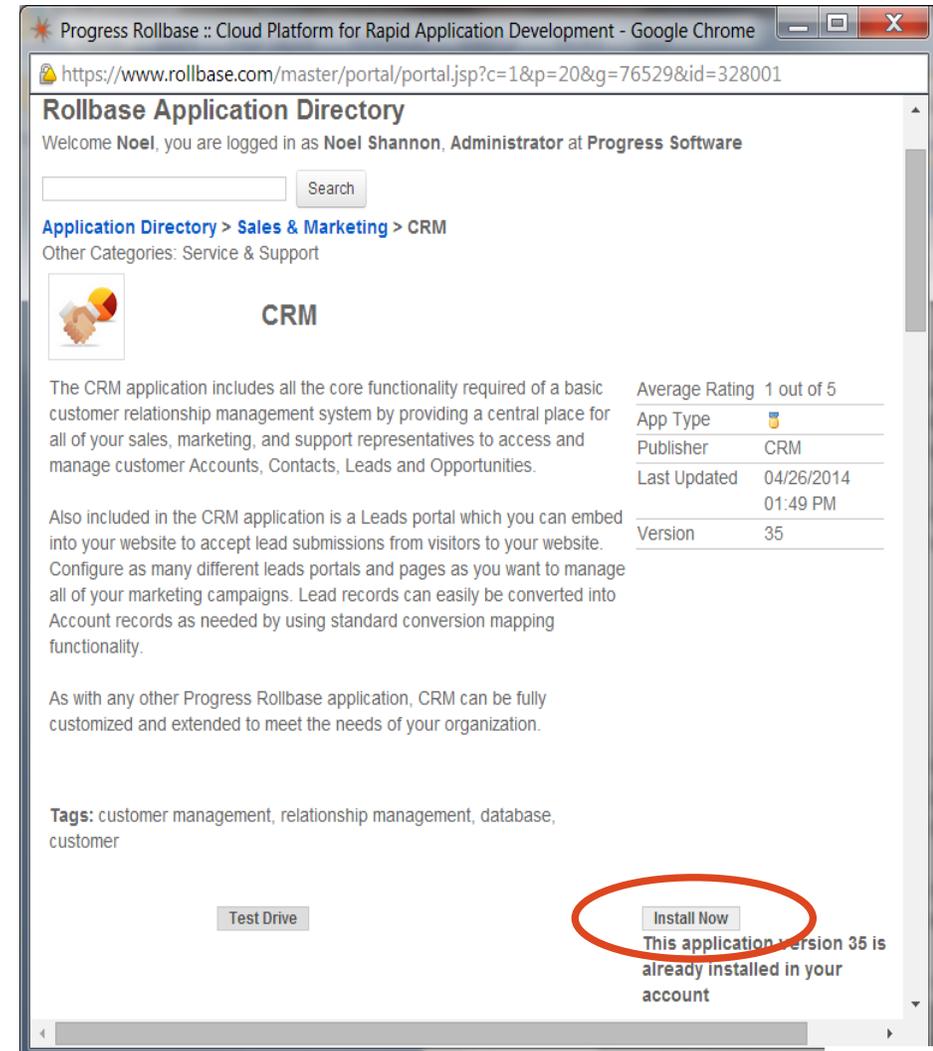
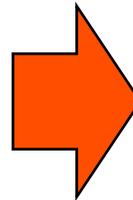
As with any other Progress Rollbase application, CRM can be fully customized and extended to meet the needs of your organization.

[More Details ...](#)

 **Document Library**
Categories: Office Productivity, Human Resources, IT Management
Tags: documents, library
04/26/2014 01:50 PM by Rollbase Labs

The Document Library application is a simple yet powerful application that allows users to store documents. Additionally, documents can be accessed publicly via a built in web portal.

Documents available on the portal are controlled by two parameters. They must be in the Active



Progress Rollbase :: Cloud Platform for Rapid Application Development - Google Chrome
https://www.rollbase.com/master/portal/portal.jsp?c=1&p=20&g=76529&id=328001

Rollbase Application Directory

Welcome **Noel**, you are logged in as **Noel Shannon, Administrator** at **Progress Software**

[Application Directory](#) > [Sales & Marketing](#) > **CRM**
Other Categories: [Service & Support](#)

 **CRM**

The CRM application includes all the core functionality required of a basic customer relationship management system by providing a central place for all of your sales, marketing, and support representatives to access and manage customer Accounts, Contacts, Leads and Opportunities.

Average Rating 1 out of 5

App Type	
Publisher	CRM
Last Updated	04/26/2014 01:49 PM
Version	35

Also included in the CRM application is a Leads portal which you can embed into your website to accept lead submissions from visitors to your website. Configure as many different leads portals and pages as you want to manage all of your marketing campaigns. Lead records can easily be converted into Account records as needed by using standard conversion mapping functionality.

As with any other Progress Rollbase application, CRM can be fully customized and extended to meet the needs of your organization.

Tags: customer management, relationship management, database, customer

This application version 35 is already installed in your account

Lab 1: Testing will require data, so, remember to enter some Leads

The screenshot shows the 'New Lead' form in the Progress Pacific CRM. The form is divided into several sections: 'Owner & Status', 'Lead Information', 'Location and Address Information', and 'Description Information'. A large red oval highlights the 'Lead Information' section, which contains the following fields:

- Workflow Status: Open - Not Contacted
- Rating: -- Please select --
- Lead Owner: Noel Shannon
- Salutation: -- Please select --
- Company: [Text Field]
- First Name: [Text Field]
- Middle Name: [Text Field]
- Last Name: [Text Field]
- Title: [Text Field]
- Phone: [Text Field]
- Mobile Phone: [Text Field]
- Fax: [Text Field]
- Email Address: [Text Field]
- Website: [Text Field]
- No. of Employees: [Text Field]
- Annual Revenue: [Text Field]
- Industry: -- Please select --
- Lead Source: -- Please select --
- Accounts: [Search and Add Fields]

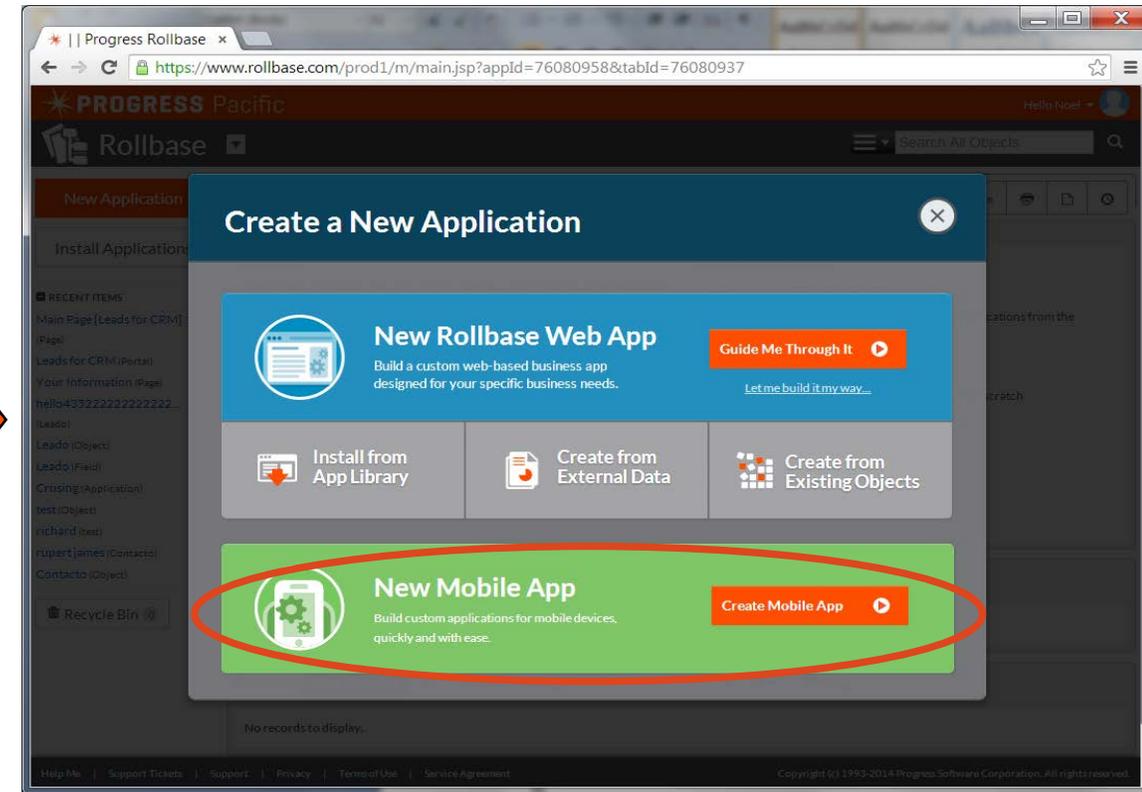
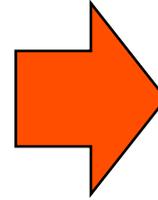
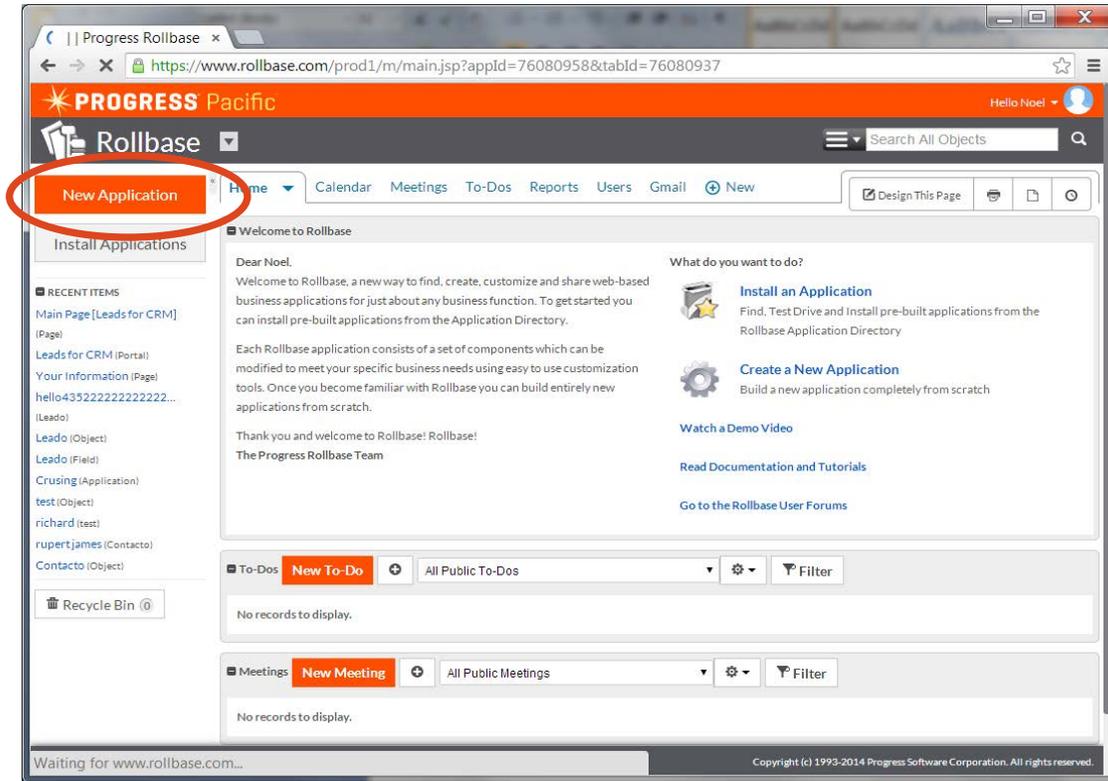
The 'Location and Address Information' section includes:

- Street Address 1: [Text Field]
- Street Address 2: [Text Field]
- City: [Text Field]
- State/Province: -- Please select --
- ZIP/Postal Code: [Text Field]
- Country: Australia

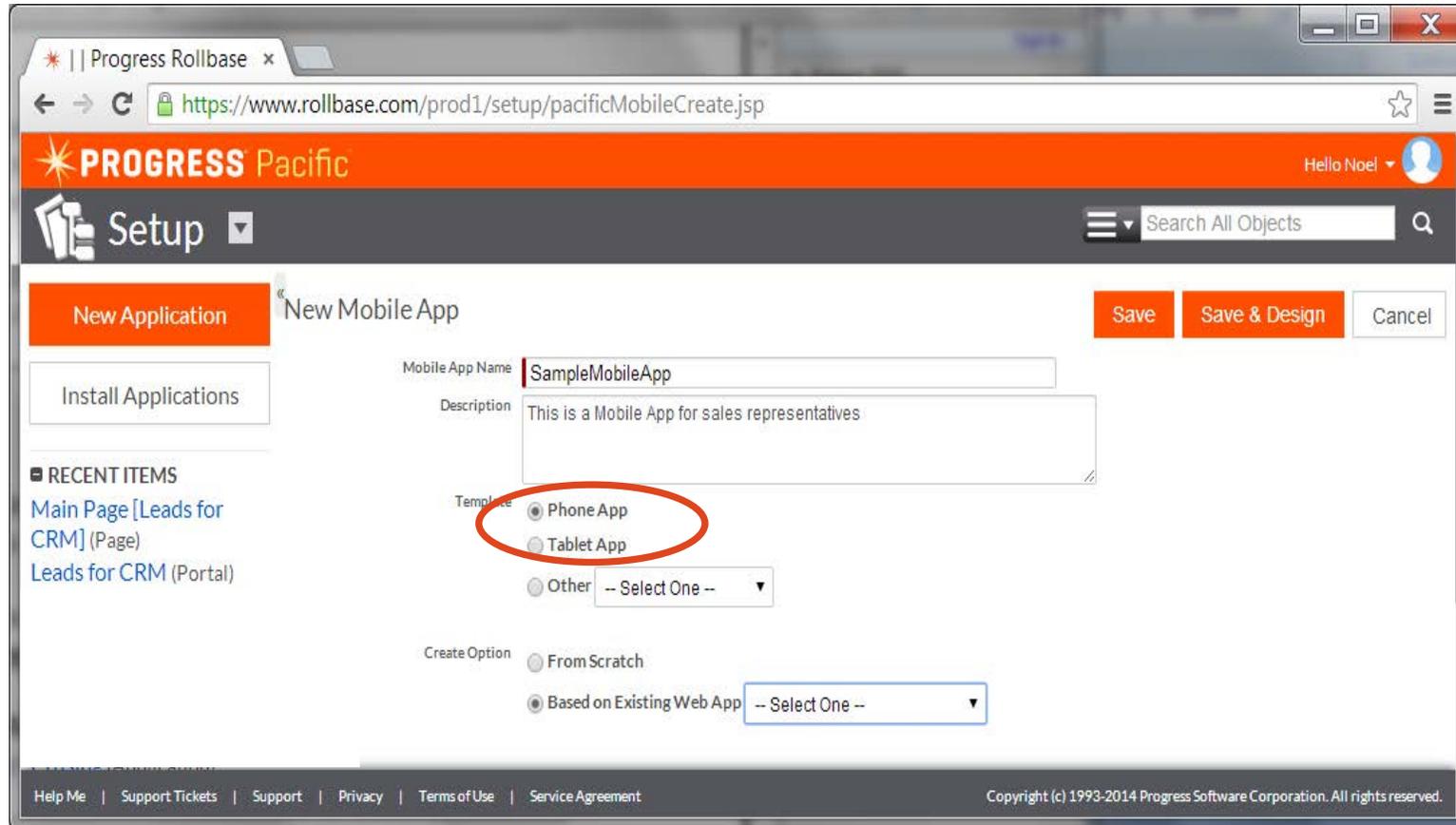
The 'Description Information' section includes a large text area for the Description.

The form also features a 'RECENT ITEMS' sidebar on the left and a 'Privacy Settings' section at the bottom.

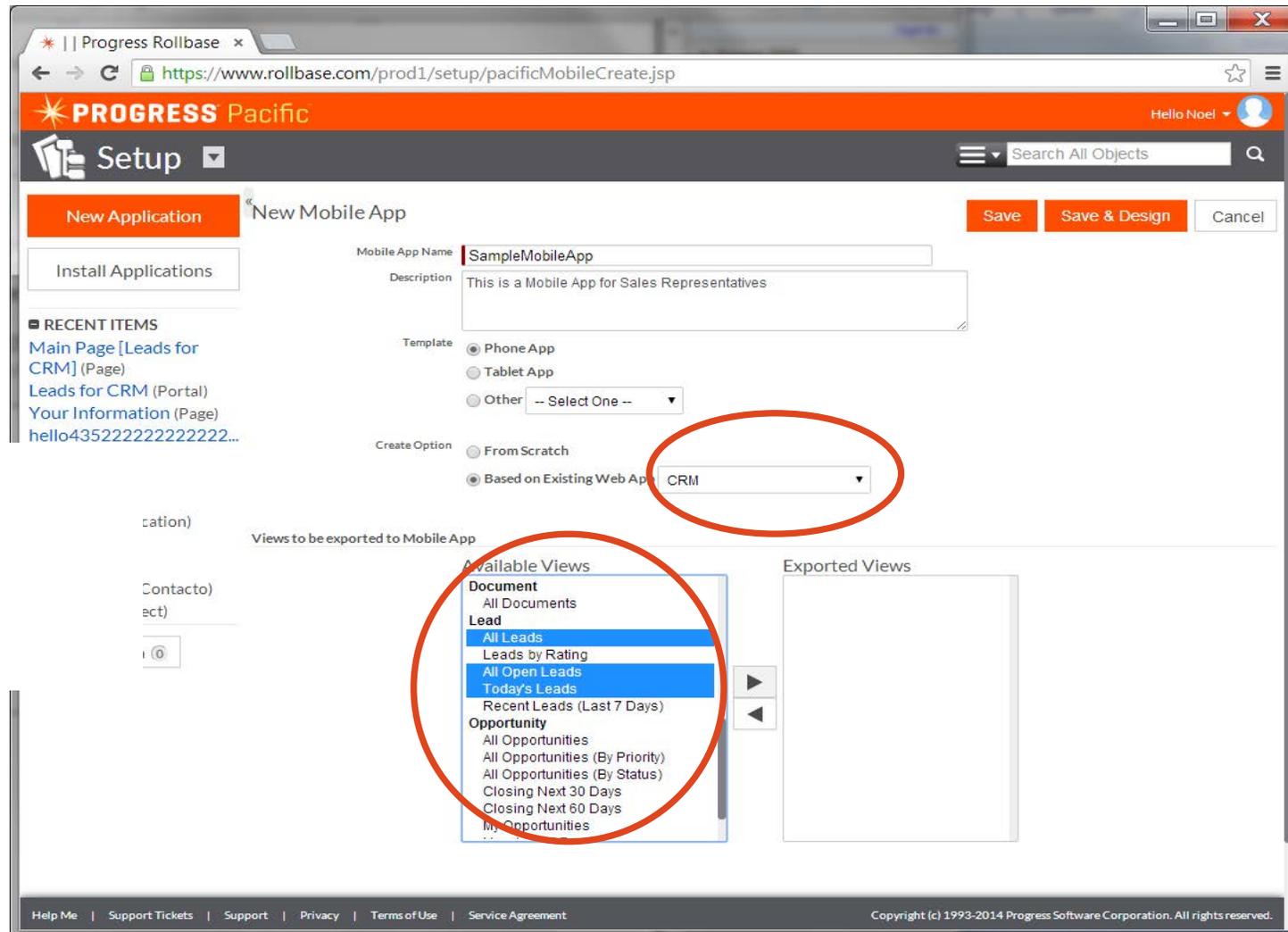
Lab 1: Select New Application and Create Mobile App



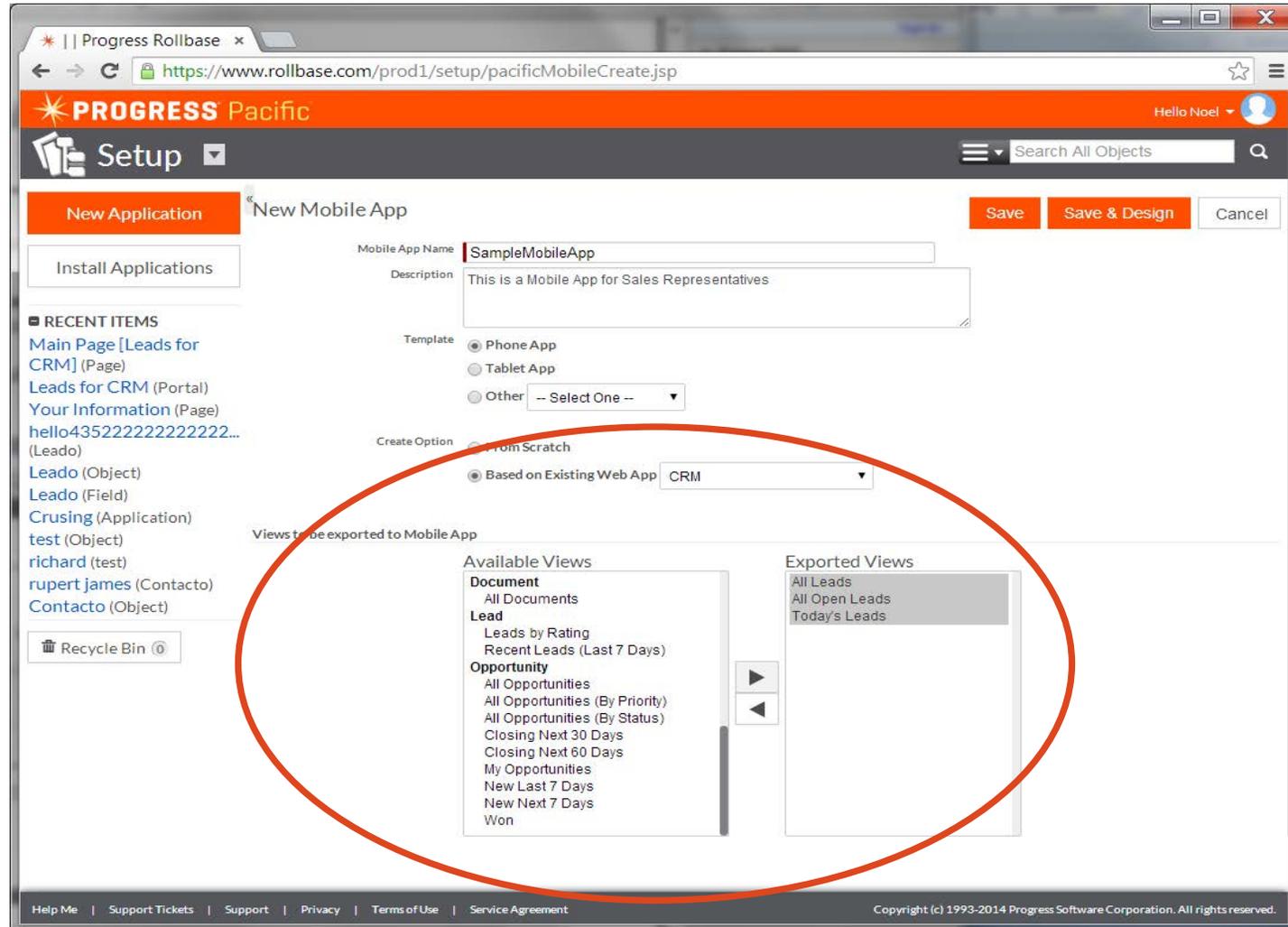
Lab 1: Choose the Template, Phone App



Lab 1: Choose Base on Existing Web app: CRM Rollbase Application



Lab 1: Choose the Views from the Application



Lab 1: Installing CRM and Creating a Mobile App project

15:00 minutes



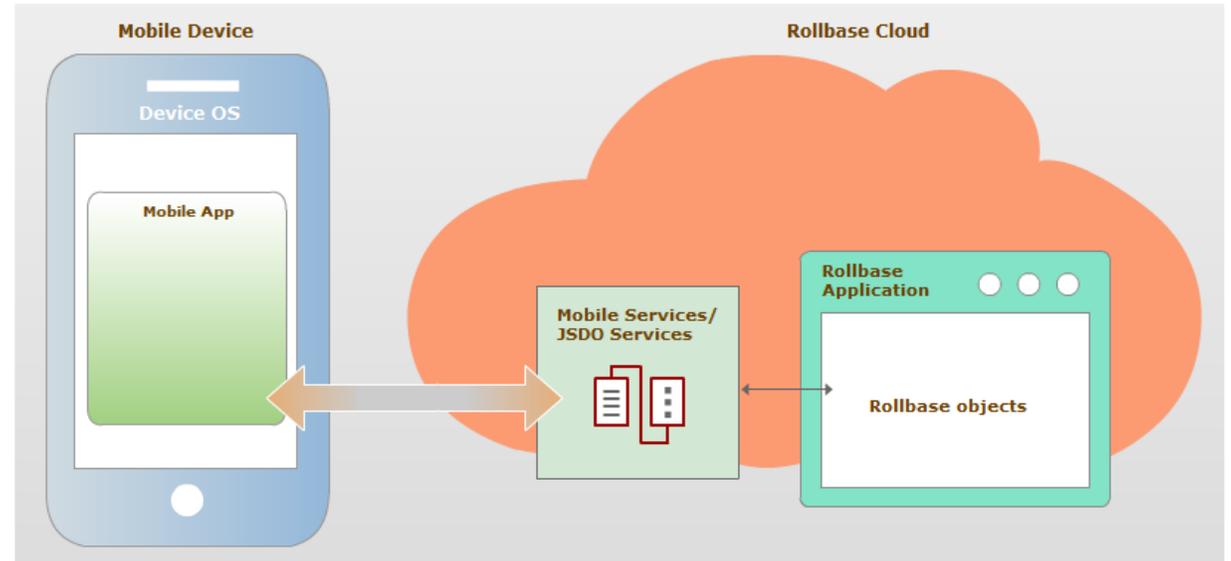
Behind the Scenes - Created Session Services and JSDO Services

Session Service for Rollbase Server

- Session Object
- Login Service
- Logout Service
- Session Settings

JSDO Services for each Object

- JSDO Object
- Create Service
- Read Service
- Update Service
- Delete Service
- Row Service
- [optional] Invoke Operation Service...



Part 2: Design Pages and Navigation

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Lab 2: Design Pages and Navigation

In this lab, you will design two pages , navigate between the pages and test the App

Lab 2.1— Adding a List

Lab 2.2— Creating and designing the Leads_All_LeadsPage

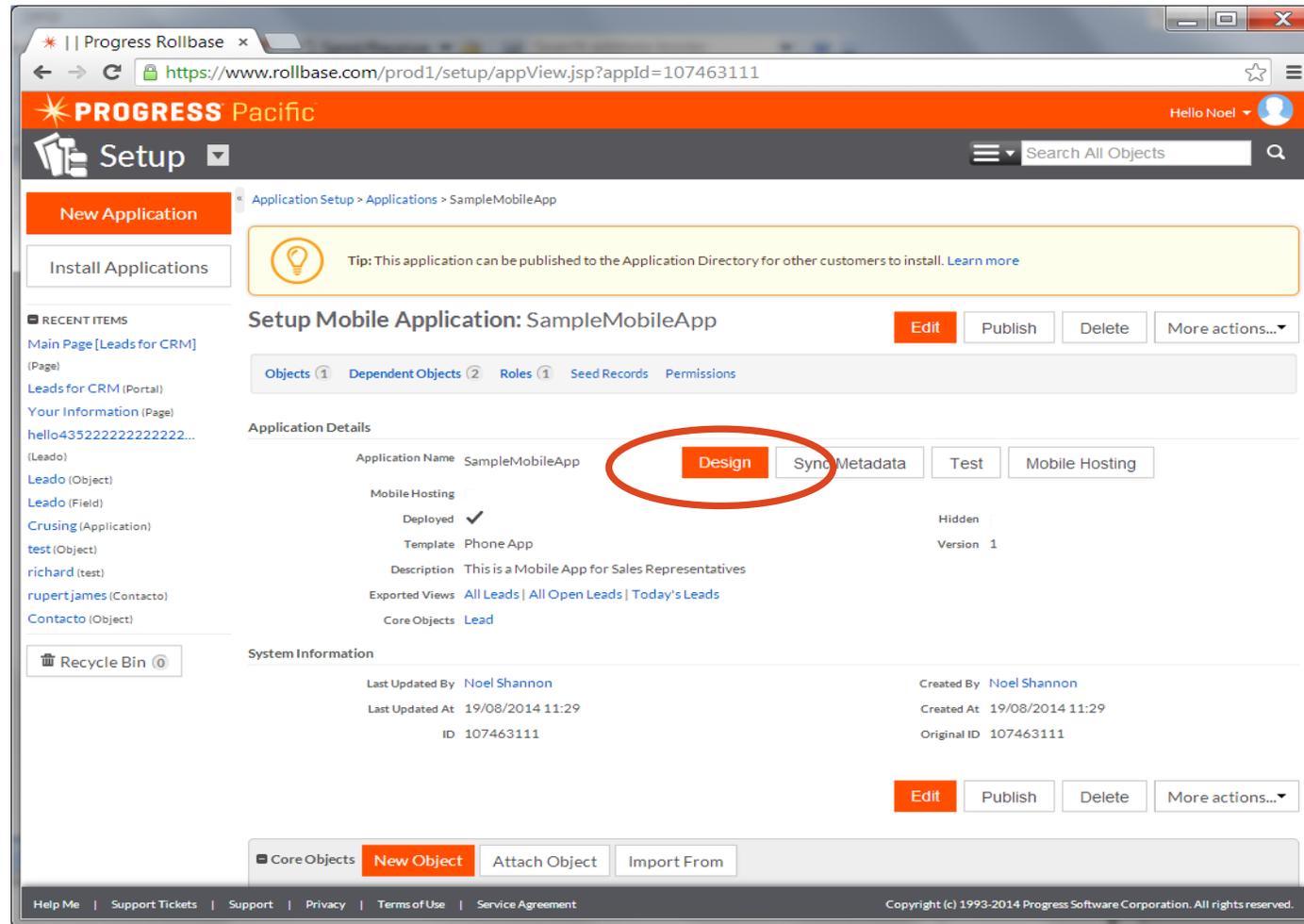
Lab 2.3— Enabling navigation

Lab 2.4— Testing the Mobile App

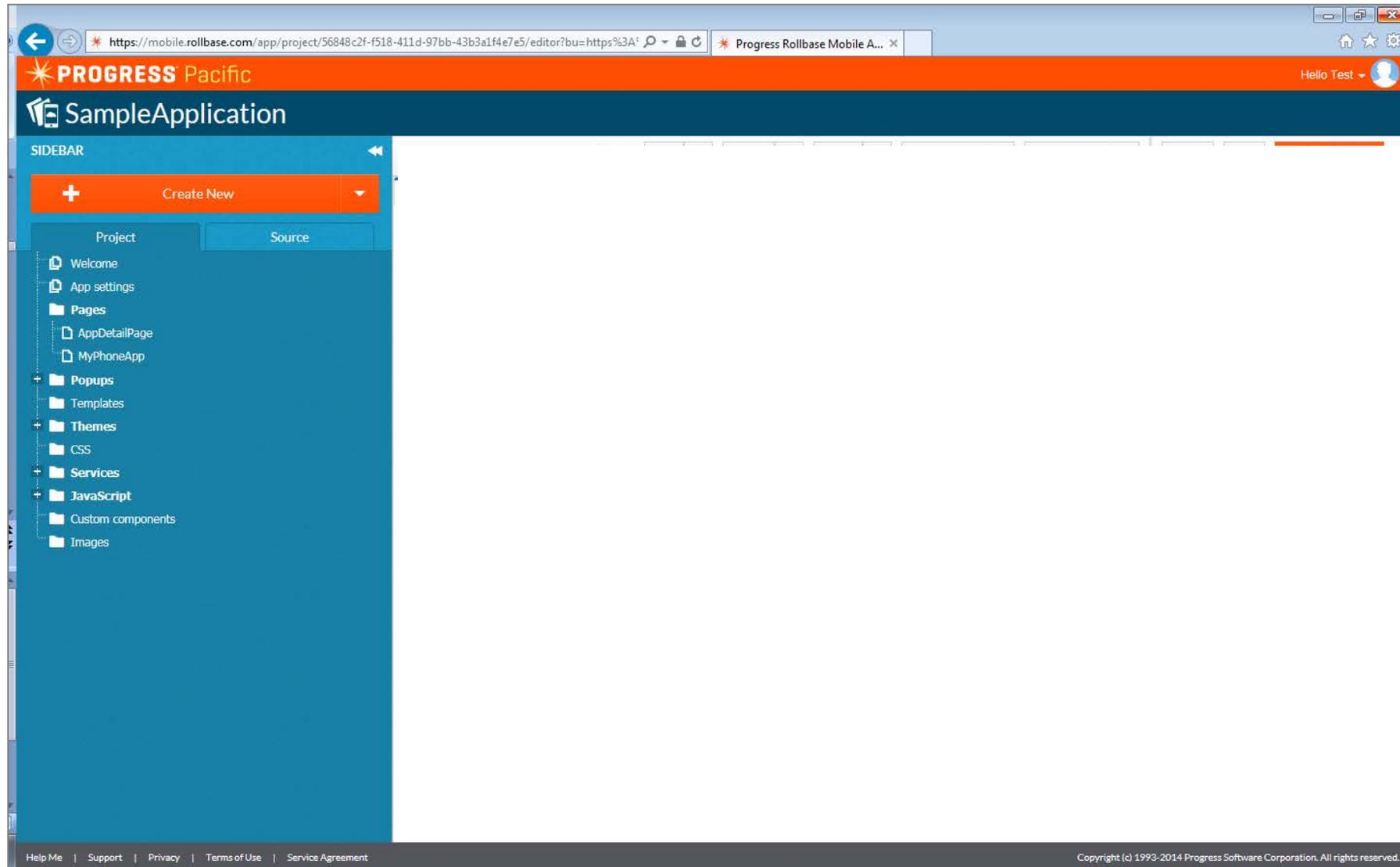
The lab steps take approximately 30 minutes to complete.

Lets do a quick walkthrough...

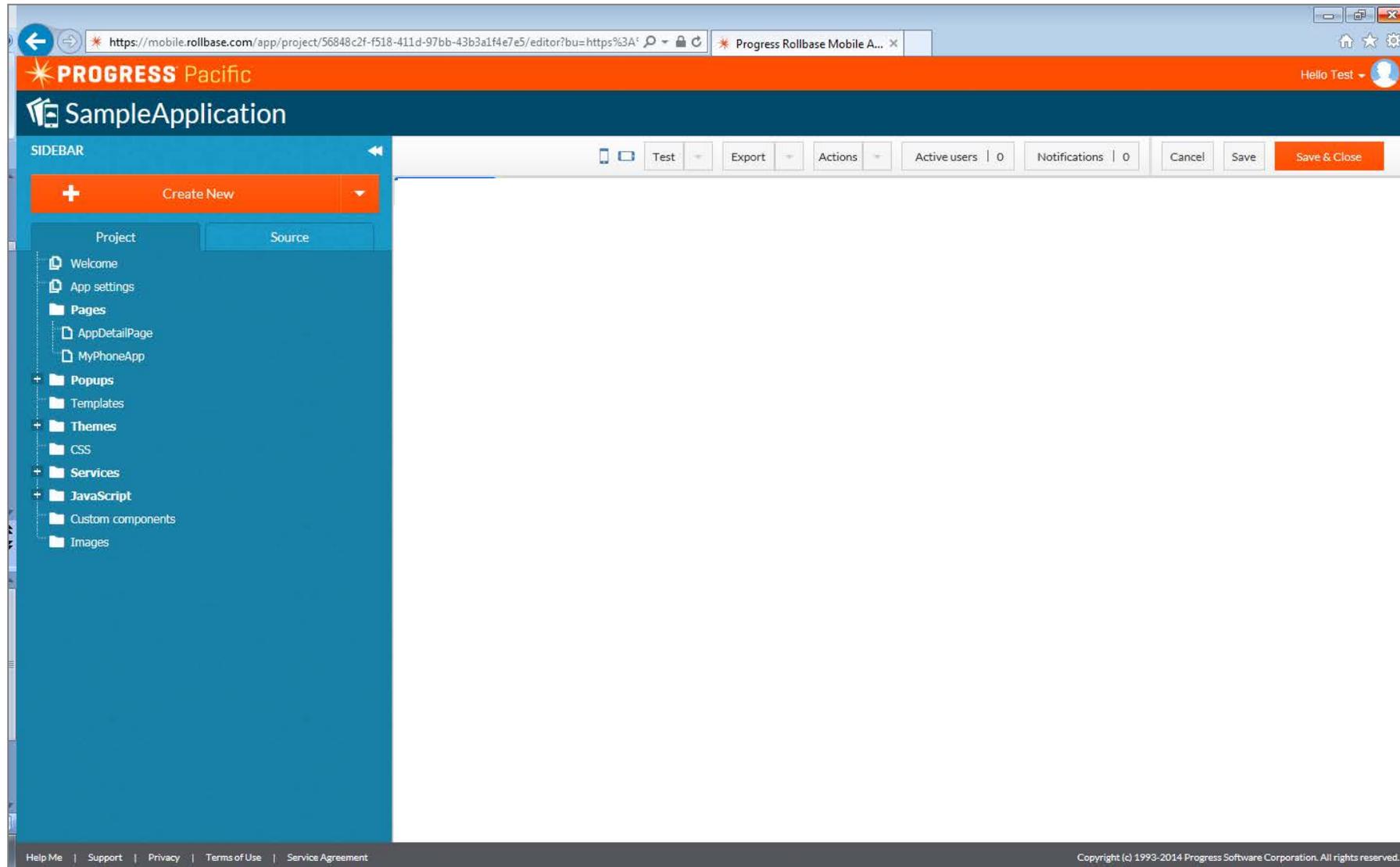
Lab 2: And then you get to play at UX design!



Lab 2: Getting started with Mobile App Builder - Sidebar



Lab 2: Getting started with Mobile App Builder – Top Menu



Lab 2: Getting started with Mobile App Builder – Ready to Begin

The screenshot displays the Progress Pacific Mobile App Builder interface. The browser address bar shows the URL: <https://mobile.rollbase.com/app/project/56848c2f-f518-411d-97bb-43b3a1f4e7e5/editor?bu=https%3A%3A>. The interface features a sidebar on the left with a 'Create New' button and a project tree. The main workspace shows a 'Welcome' message and a 4-step workflow diagram.

PROGRESS Pacific Hello Test

SampleApplication

SIDEBAR

Project Source

- Welcome
- App settings
- Pages
 - AppDetailPage
 - MyPhoneApp
- Popups
- Templates
- Themes
 - CSS
- Services
- JavaScript
 - Custom components
 - Images

Test Export Actions Active users | 0 Notifications | 0 Cancel Save Save & Close

Welcome

- 1 Build the UI
- 2 Add events, and optionally write any JavaScript
- 3 Use any 3rd party REST APIs and Progress Backend Services
- 4 Deploy as Android, iOS and HTML5

Database, Push, Server-side Code 3rd party APIs

Build: 12.1.1442 (Jul 25 2014)

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Lab 2: App settings

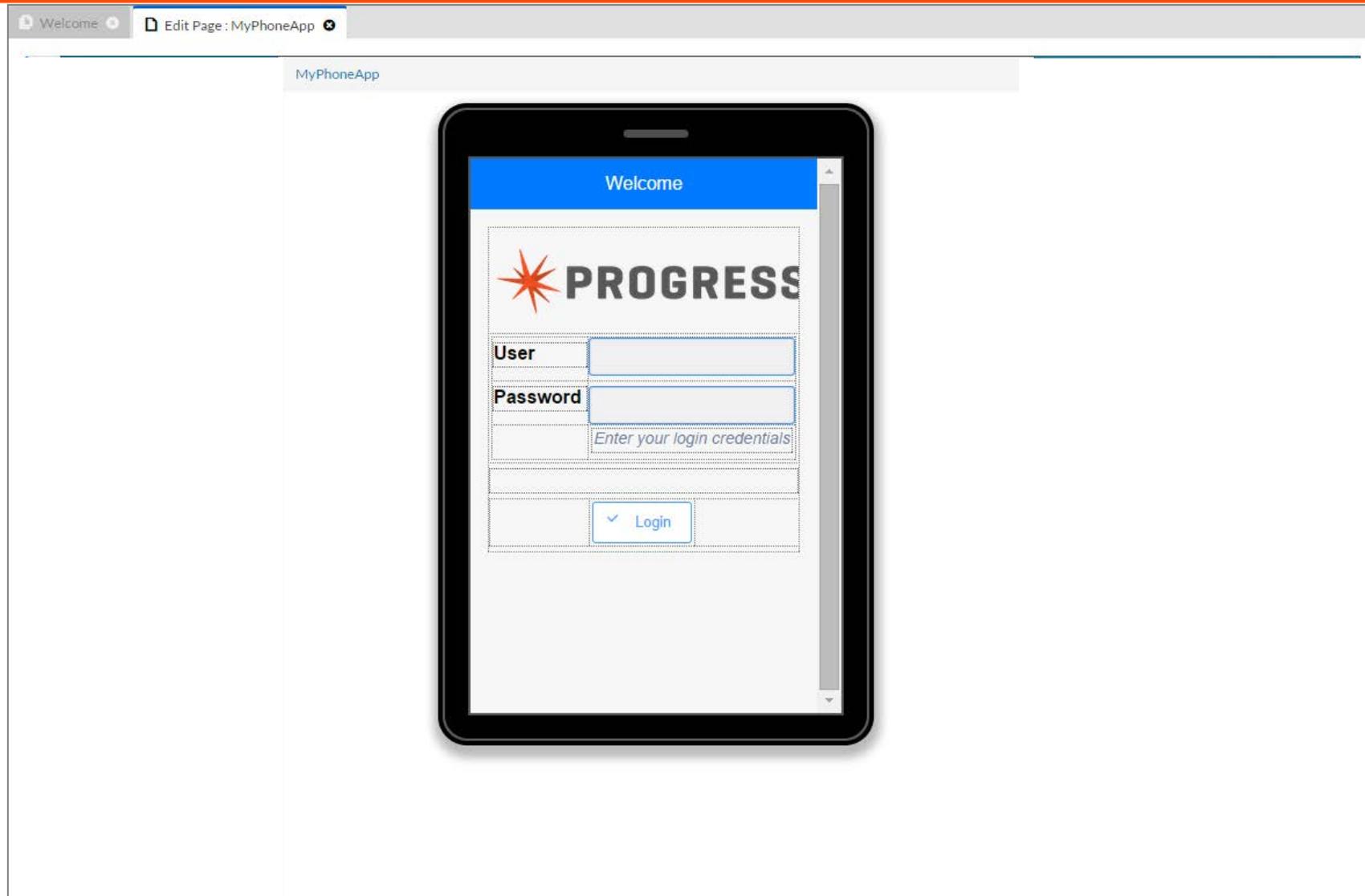
The screenshot shows the 'Edit Project : App settings' dialog box. The interface includes a sidebar on the left with the following categories: General, External resources, Android binary, Android permissions, Android Cordova plugins, iOS binary, iOS keys, iOS Cordova plugins, and Push notifications. The main area contains the following settings:

- Project Name:** SampleApplication
- Project Description:** (empty text field)
- Start Page:** MyPhoneApp (dropdown menu)
- Theme:** ios7 (dropdown menu)
- Swatch:** B (dropdown menu)
- Default Page Size:** Phone (320x480) (dropdown menu)
- Custom Size: W 320 H 480
- Render all pages in one HTML file (jQuery Mobile multi-page template)
- Enable Weinre debugging

Lab 2: Pages

- Basic building blocks of a Mobile app
- Associated properties for look and feel
- Two Pages created by default
 - MyPhoneApp (Login)
 - AppDetailPage (Landing Page after Login)

Lab 2: Mobile App Builder – Page Design – Page Layout



Lab 2: Mobile App Builder – Page Design – Page Properties, Detail Entry

The screenshot displays a mobile app builder interface. The central area shows a tablet with a login screen design. The screen has a blue header with the text "Welcome". Below the header is the "PROGRESS" logo, which consists of a red starburst icon followed by the word "PROGRESS" in bold black letters. Underneath the logo are two input fields: "User" and "Password". Below the "Password" field is a text prompt "Enter your login credentials". At the bottom of the form is a blue button with a white checkmark and the text "Login".

On the right side of the interface is a "Screen: Details" panel. It contains the following settings:

- Zoom Level:** A slider set to 100%.
- Screen Type:** A button labeled "Change...".
- Show Header:** A checked checkbox.
- Show Footer:** An unchecked checkbox.
- Swatch:** A dropdown menu set to "Inherit".
- Name:** A text field containing "MyPhoneApp".
- Custom Size:** An unchecked checkbox.
- Dimensions (pixels):** Two input fields containing "320" and "480".
- Predefined Screen Size:** A dropdown menu set to "Phone (320x480)".
- More Properties:** A button.
- Actions:** A section containing a "Save As Screen Template" button.

Lab 2: Mobile App Builder – Page Design – Page Layout - Components

The screenshot displays a mobile app builder interface for a page named "MyPhoneApp". The central design canvas shows a mobile app screen with a blue header containing the text "Welcome". Below the header is a red starburst logo followed by the word "PROGRESS" in large, bold, black letters. Underneath, there are two input fields labeled "User" and "Password", a text prompt "Enter your login credentials", and a blue "Login" button with a checkmark icon.

On the left side, there is a "COMPONENTS" palette with two tabs: "Design" and "Data Source". The "Design" tab is active, showing a grid of default components such as Button, Group Buttons, Input, Textarea, Datepicker, Label, Link, Radio, Checkbox, Slider, Toggle, Select, List, Image, Grid, Liquid, Navbar, Search, CollapsibleSet, Collapsible, Spacer, Video, Audio, and Map.

On the right side, there is a "Screen: Details" panel. It includes a "Properties" section with settings for Zoom Level (100%), Screen Type (Change...), Show Header (checked), Show Footer (unchecked), Swatch (Inherit), Name (MyPhoneApp), Custom Size (unchecked), Dimensions (320x480 pixels), and Predefined Screen Size (Phone (320x480)). Below this is an "Actions" section with a "Save As Screen Template" button.

Lab 2: Mobile App Builder – Page Design – Page Layout – Component Events

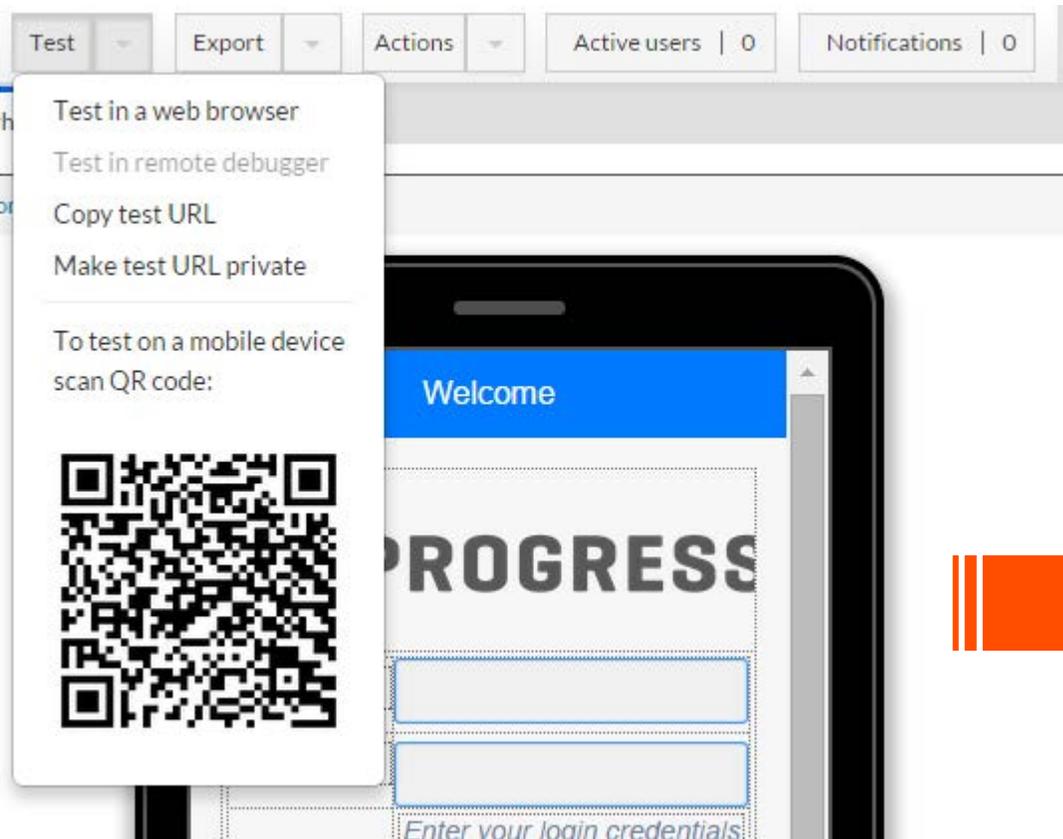
The screenshot displays the Progress Mobile App Builder interface. The central canvas shows a mobile app design for a login page. The design includes a blue header with the text "Welcome", a red starburst logo, and the word "PROGRESS" in large, bold, black letters. Below the logo, there are two input fields labeled "User" and "Password", followed by a text prompt "Enter your login credentials" and a blue "Login" button.

The interface is divided into several panels:

- COMPONENTS:** A panel on the left showing various default components such as Button, Group Buttons, Input, Textarea, Datepicker, Label, Link, Radio, Checkbox, Slider, Toggle, Select, List, Image, Grid, Liquid, Navbar, and Search.
- Screen: Details:** A panel on the right showing properties for the selected screen, including Zoom Level (100%), Screen Type (Change...), Show Header (checked), Show Footer (unchecked), Swatch (Inherit), Name (MyPhoneApp), Custom Size (unchecked), Dimensions (320x480 pixels), and Predefined Screen Size (Phone (320x480)).
- COMPONENT EVENTS:** A table at the bottom showing events for the selected component (MyPhoneApp).

Component	Event	Order	Action	Details
MyPhoneApp	Page show	1. ↓	Set property	Component name: usernameValue, Property name: Text, Value:
MyPhoneApp	Page show	2. ↑ ↓	Set property	Component name: passwordValue, Property name: Text, Value:

Lab 2: Testing a Mobile App – Web Browser or Device (QR Code)



Lab 2: Design Pages and Navigation

30:00 minutes



Part 3: Read Leads, Add Leads and Invoke operations

Lab 3 – Part 1: Read Leads, Add Leads and Invoke operations

In this lab, you will design two pages, fill the data on page one, navigate between the pages and test the App

Lab 3.1— Initializing the Leads Data source

Lab 3.2— Configuring the All Leads operation

Lab 3.3— Testing the functionality

Lab 3.4— Creating and designing the New Lead page

Lab 3.5— Adding and configuring operations to populate Rating Picklist

Lab 3.6— Adding and configuring the Create Lead operation

Lab 3.7— Adding events to populate the ratings PickList

Lab 3.8— Adding the Add button and an event

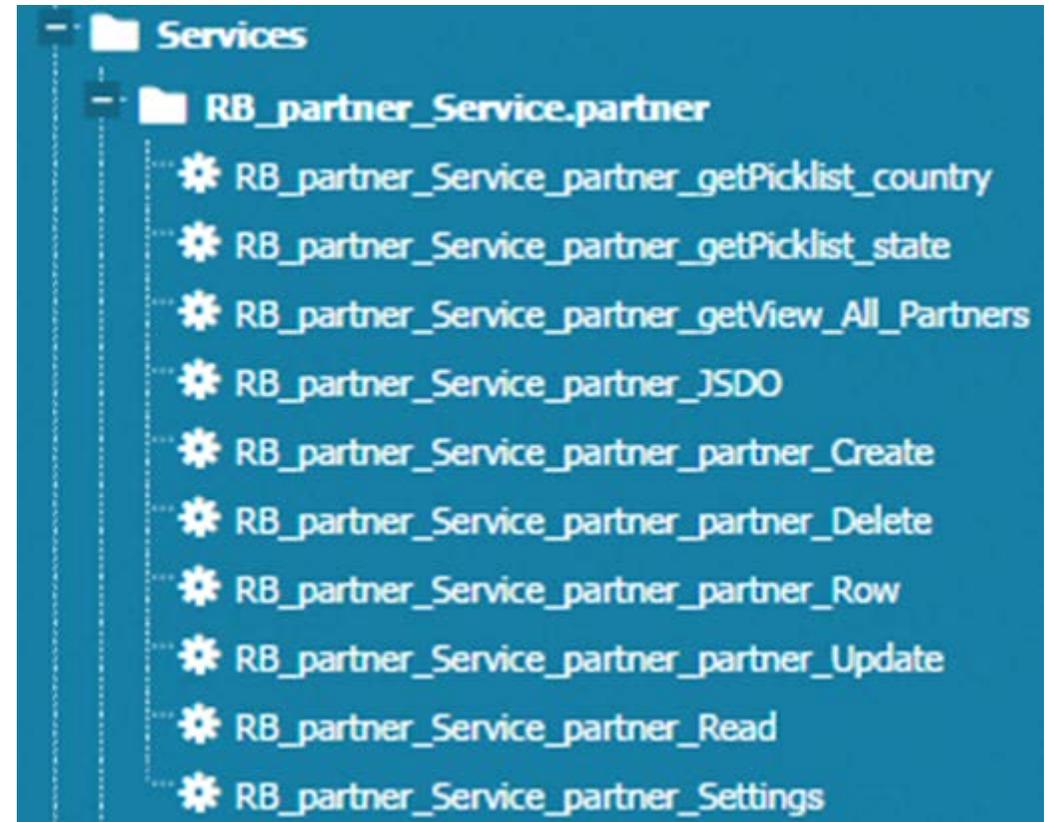
Lab 3.9— Testing the functionality of the New Lead Page

The lab steps take approximately 60 minutes to complete.

Lets do a quick walkthrough...

Lab 3: Datasources

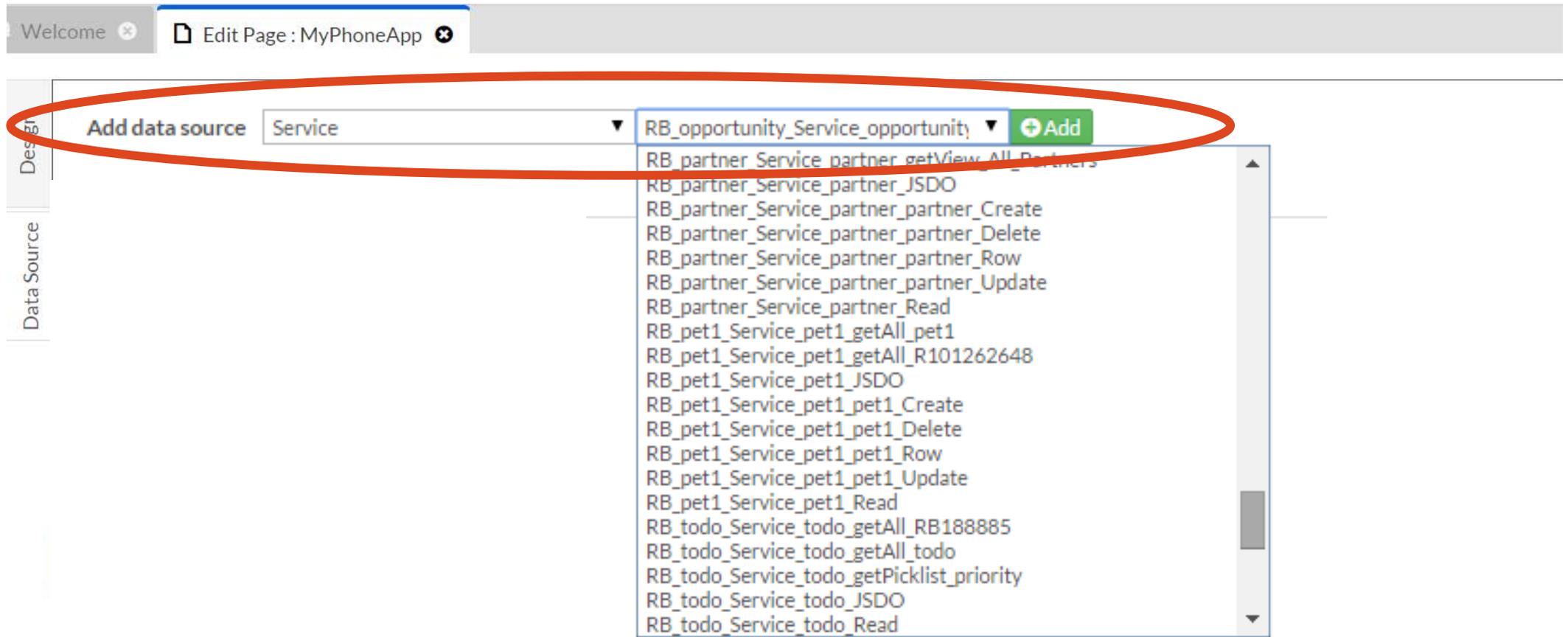
- Service is the way to **Request** and **Receive** data
- Types
 - REST API Services
 - Device Services
 - Progress-specific
 - JSDO Services (Rollbase)
 - Session Services
- Select Object Views in Rollbase
 - JSDO Services generated automatically
 - Invoke operations (based on Views, Relationships, and Picklists)



Lab 3: Mobile App Builder – Data Source

The screenshot displays the Progress Mobile App Builder interface. On the left, the 'COMPONENTS' panel is visible, with the 'Data Source' tab highlighted by a red circle. The central workspace shows a mobile app screen titled 'Welcome' with the 'PROGRESS' logo and a login form containing 'User' and 'Password' fields, a 'Login' button, and a 'Enter your login credentials' instruction. On the right, the 'Screen: Details' panel shows various properties for the screen, including 'Zoom Level' (100%), 'Screen Type' (Change...), 'Show Header' (checked), 'Show Footer' (unchecked), 'Swatch' (Inherit), 'Name' (MyPhoneApp), 'Dimensions (pixels)' (320 x 480), and 'Predefined Screen Size' (Phone (320x480)).

Lab 3: Data Source – Add a New one



Lab 3: Data Source – Added

Welcome Edit Page : MyPhoneApp Edit Page : AppDetailPage

Design

Add data source Service RB_partner_Service_partner_JSDO + Add

Data Source	Type	Service	
AllPartners	Service	RB_partner_Service_partner_getView_All_Partners	Edit Mapping Delete
PartnerJSDO	Service	RB_partner_Service_partner_JSDO	Edit Mapping Delete

Data Source

Lab 3: Data Source – Adding Data Source Events

The screenshot shows the Telerik RadEditor interface with the following components:

- Design View:** Shows the 'Add data source' section with a dropdown menu set to 'Service' and a selected data source 'RB_partner_Service_partner_JSDO'. An 'Add' button is visible.
- Data Source Table:** A table listing data sources with their types and service names. Each entry has 'Edit Mapping' and 'Delete' buttons.
- DATA SOURCE EVENTS:** A section with a dropdown menu set to 'PartnerJSDO' and an 'Add Events' button.
- Event List Table:** A table showing the configured events for the selected data source.

Data Source	Type	Service	Buttons
AllPartners	Service	RB_partner_Service_partner_getView_All_Partners	Edit Mapping, Delete
PartnerJSDO	Service	RB_partner_Service_partner_JSDO	Edit Mapping, Delete

Data Source	Event	Order	Action	Details	Buttons
PartnerJSDO	Success	1. ↓	Run JavaScript	Handler:	Edit, Delete
PartnerJSDO	Success	2. ↑	Invoke service	Datasource: AllPartners	Edit, Delete

Lab 3: Creating, Reading, Updating, Deleting and Invoking

- Add the operation to the page
- Map request parameters
- Map response parameters
- Add an event to invoke the operation

Lab 3: Data Source – Edit Mapping

Welcome | Edit Page: MyPhoneApp | Edit Page: AppDetailPage

Design | Data Source

Add data source: Service | RB_partner_Service_partner_JSDO | Add

Data Source	Type	Service	
AllPartners	Service	RB_partner_Service_partner_getView_All_Partners	 
PartnerJSDO	Service	RB_partner_Service_partner_JSDO	 

DATA SOURCE EVENTS

Show events for: PartnerJSDO | Add Events

Data Source	Event	Order	Action	Details	
PartnerJSDO	Success	1. ↓	Run JavaScript	Handler:	 
PartnerJSDO	Success	2. ↑	Invoke service	Datasource: AllPartners	 

Lab 3: Edit Mapping - Request

Back to data sources

"RB_partner_Service_partner_getView_All_Partners" service

Parameters

Request Response + -

Name	Value	JavaScript
startRow	0	Edit JS
rowsPerPage	10	Edit JS

Create variable

Enter variable name

Components

- AppDetailPage
 - detailLayout
 - Visible
 - mobilelist_6
 - detailErrorMsg
 - Text
 - Visible
 - logoutButton

Local storage variables

- locMessageText

Lab 3: Edit Mapping – Response

The screenshot displays the Telerik Studio interface with two tabs: "Edit Page : MyPhoneApp" and "Edit Page : AppDetailPage". The "Data Source" panel on the left shows a service named "RB_partner_Service_partner_getView_All_Partners" with a "Response" tab selected and circled in red. Below the service name, a list of parameters is shown under the "partner" group, including fields like _id, city, comment, R99459836, country, createdAt, createdBy, id, name, phone, state, streetAddr1, streetAddr2, and tag. The "Design" panel on the right shows a mobile application layout with a list item "mobilelistitem_7" containing a "Text" widget labeled "partner" (response). Another "Text" widget labeled "name" (response) is also visible under the "partnerName" group. A red arrow points from the "Response" tab to the "partner" (response) widget, and another red arrow points from the "name" (response) widget to the "name" field in the service parameters list.

Lab 3 Part 1: Read Leads, Add Leads and Invoke operations

Labs: 3.1 to 3.9

60:00 minutes



Lab 3 – Part 2: Read Leads, Add Leads and Invoke operations

In this lab, you will design the second of two pages and test the App

Lab 3.10— Creating and designing Lead Details Page

Lab 3.11— Adding an event to set a local storage variable and to enable navigation

Lab 3.12— Adding and configuring Read Data source

Lab 3.13— Adding events for invocation and for enabling navigation

Lab 3.14— Testing the functionality of the Lead Details page

The lab steps take approximately 30 minutes to complete.

Lab 3 Part 2: Read Leads, Add Leads and Invoke operations

Lab 3.10 to Lab 3.14

30:00 minutes



Part 4: Using the Geolocation Service

Lab 4: Using the Geolocation Service

In this lab, you will create a mobile client UI that accesses the Geolocation Service.

Lab 4.1—Using the Geolocation Service

Lab 4.2—Adding an event to display an user entered location on the map

Lab 4.3—Enabling navigation from CRM Mobile Page to the Map Page

Lab 4.4—Testing the “Show on map” button

Lab 4.5—Adding and configuring the Geolocation Service and then adding an event to refresh the map

Lab 4.6—Adding an event that invokes the Geolocation service

Lab 4.7—Testing the Geolocation Service

The lab steps take approximately 30 minutes to complete.

Lets do a quick walkthrough

Lab 4: Native Device API Services and REST API Services

- Native Device API Services:
 - Barcode
 - Camera
 - Contacts
 - Geolocation

- REST API Services:
 - REST
 - Generic (custom JavaScript implementation)
 - Settings (REST settings)
 - Generic Security Context

Lab 4: Adding Required UI Components

The screenshot displays the Progress Mobile App development tool interface. At the top, the browser address bar shows the URL: <https://mobile.rollbase.com/app/project/c88dde32-45ba-481f-9a9c-dbb30afa6eff/editor?bu=https%3A%3A>. The application header includes the Progress Pacific logo and the text "SampleMobileApp". The user is logged in as "Hello Test".

The interface is divided into several sections:

- SIDEBAR:** Contains a "Create New" button and a tree view of the project structure, including folders for "Project", "Source", "Pages", "Popups", "Templates", "Themes", "CSS", "Services", "JavaScript", "Custom components", and "Images".
- COMPONENTS:** A "Design" palette on the left lists various UI components such as Button, Input, Textarea, Label, Datepick..., Link, Radio, Checkbox, Slider, Toggle, Select, List, Image, Grid, Liquid, Navbar, and Search.
- Map_Page:** The central workspace shows a mobile device mockup of a map page. The page has a blue header with a "Back" button and the title "Map". Below the header is a text input field labeled "Enter location...", followed by two buttons: "Show on map" and "Show my location". A map is displayed below the buttons, showing a location in the San Francisco area with a red marker and a white callout box that says "Add Components Here".
- Screen: Details:** A properties panel on the right for the "Map_Page" screen. It includes settings for "Zoom Level" (set to 100%), "Screen Type" (Change...), "Show Header" (checked), "Show Footer" (checked), "Swatch" (B), "Name" (Map_Page), "Custom Size" (unchecked), "Dimensions (pixels)" (320 x 480), "Predefined Screen Size" (Phone (320x480)), and "Actions".

At the bottom of the interface, there is a "COMPONENT EVENTS" section and a footer with the text "Help Me | Support | Privacy | Terms of Use | Service Agreement" and "Copyright (c) 1993-2014 Progress Software Corporation. All rights reserved."

Lab 4: Showing a User-entered Location on the Map

The screenshot displays the Progress Rollbase mobile app editor interface. The main workspace shows a mobile device mockup of a page titled "Map". The page contains a "Back" button, a text input field labeled "Enter location...", and two buttons: "Show on map" and "Show my location".

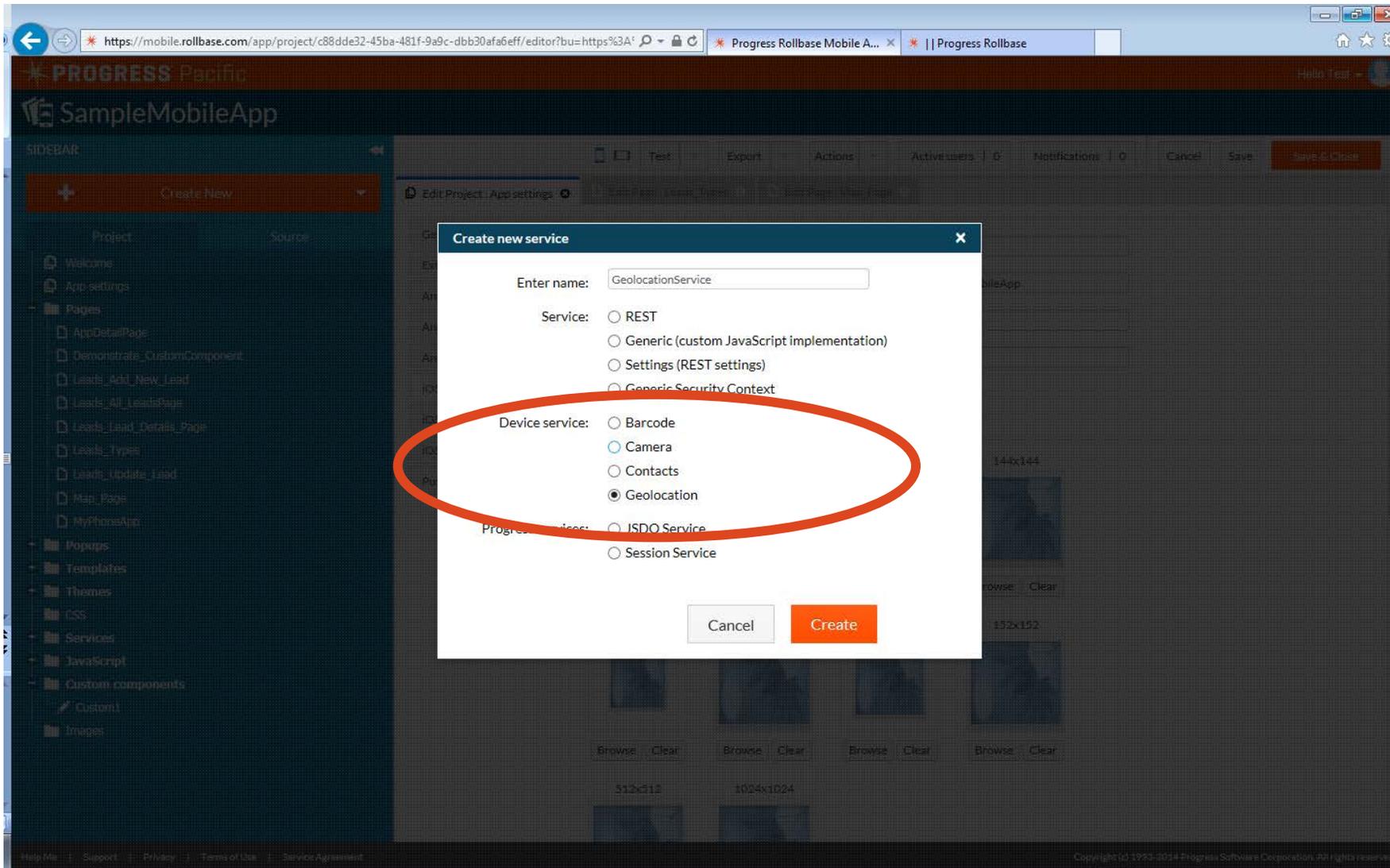
The "COMPONENT EVENTS" panel is open, showing the configuration for the "show_on_map" button. The event is set to "Click" and the action is "Run JavaScript". The JavaScript code is as follows:

```
1 var location = Appery('input_location').val();
2 if (location == '') {
3   alert ('Please enter a location.');
```

Component	Event	Order	Action	Details
show_on_map	Click		Run JavaScript	function () { / this - current element

```
4   return;
5 }
6 var map = Appery ('map');
7 map.options['address'] = location;
8 map.refresh();
9
10
```

Lab 4: Showing the Current Location with Geolocation: Creating a Geolocation Service



Lab 4: Showing the Current Location with Geolocation: Adding a Datasource

The screenshot shows the Progress Rollbase mobile app development interface. The browser address bar displays the URL: <https://mobile.rollbase.com/app/project/c88dde32-45ba-481f-9a9c-dbb30afa6eff/editor?bu=https%3A%3A>. The interface includes a sidebar with a tree view of the project structure, a top navigation bar with the Progress Pacific logo and user information, and a main workspace for editing the app. The workspace is currently showing the 'Add data source' dialog for the 'Map_Page'.

The 'Add data source' dialog has a 'Select Type' dropdown menu and an 'Add' button. Below this, there is a table with the following columns: Data Source, Type, and Service.

Data Source	Type	Service
geolocation1	Device	GeolocationService

Buttons for 'Edit Mapping' and 'Delete' are visible next to the data source entry. The bottom of the dialog shows 'DATA SOURCE EVENTS' with an upward arrow.

Lab 4: Showing the Current Location with Geolocation: Mapping Response Parameters

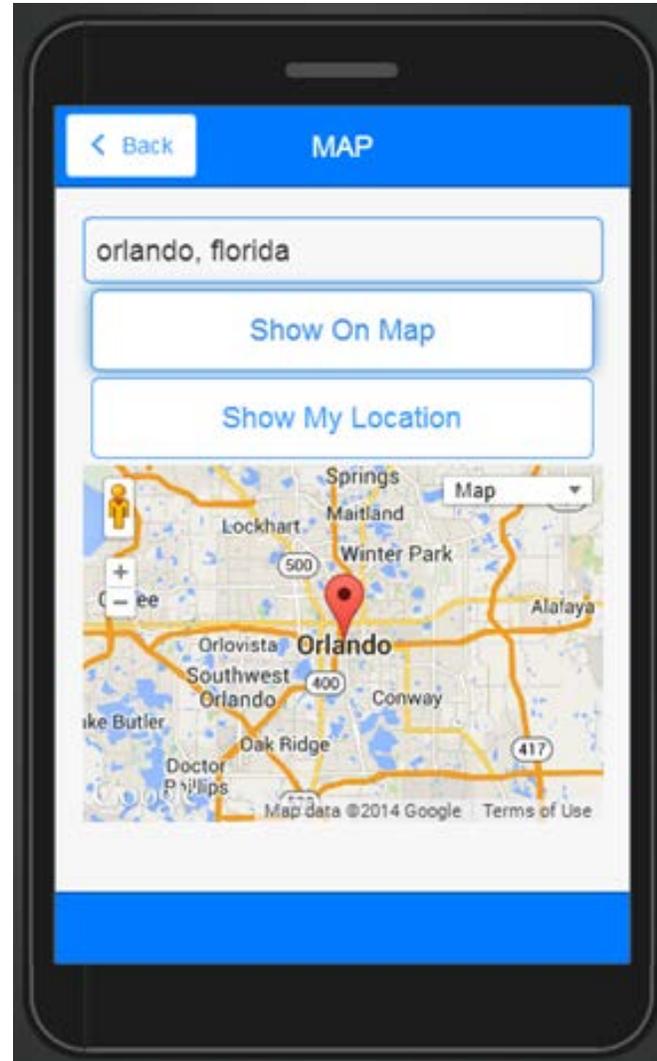
The screenshot displays the Progress Rollbase development environment. The top navigation bar includes the Progress Pacific logo and the user name 'Hello Test'. The main interface is divided into a sidebar on the left and a central workspace. The sidebar shows a project tree with folders for Pages, Popups, Templates, Themes, Services, JavaScript, Custom components, and Images. The central workspace is titled 'Edit Page : Map_Page' and features a 'Data Source' configuration panel. This panel is set to 'Design' mode and shows the 'Request' and 'Response' tabs for the 'GeolocationService'. The 'Response' tab lists parameters such as 'timestamp', 'coords', 'latitude', 'longitude', 'altitude', 'accuracy', 'altitudeAccuracy', 'heading', and 'speed'. On the right, the 'Components' panel shows a tree view for the 'Map_Page' component, including sub-components like 'input_location', 'show_on_map', 'show_my_location', 'map', and 'marker_5'. Two curved arrows indicate the mapping of the 'latitude' and 'longitude' response parameters to the 'Latitude' and 'Longitude' properties of the 'map' component, respectively. The 'Latitude' and 'Longitude' properties are highlighted with blue boxes and labeled as 'latitude (response)' and 'longitude (response)'. At the bottom of the workspace, there is a 'DATA SOURCE EVENTS' section.

Lab 4: Showing the Current Location with Geolocation: Adding Event to Invoke the Geolocation Service

The screenshot displays the Progress Rollbase mobile app development environment. The interface includes a sidebar with a project tree, a central design canvas, and a right-hand properties panel. The design canvas shows a mobile app page titled "Map_Page" with a map component. The map component has a "Show my location" button highlighted with a dashed blue border. The properties panel for the "Button: Details" shows various settings, including "Zoom Level" set to 100%, "Text" set to "Show my location", and "Position" set to "left". Below the design canvas, the "COMPONENT EVENTS" section is visible, showing a table of events for the "show_my_location" component.

Component	Event	Order	Action	Details
show_my_location	Click	1	Invoke service	Datasource: geolocation1

Lab 4: Where are you?



Lab 4: Using the Geolocation Service

30:00 minutes



Next Steps

- Host Mobile Web App in Rollbase Cloud
- Host Mobile Web App in your cloud
- Export as a native app

Platform	Web resources	Source code	Release binary
	 HTML/JS/CSS	 Eclipse project	 .apk
	 HTML/JS/CSS	 Xcode project	 .ipa
	 HTML/JS/CSS		
	 Template		

Taking Your Work Home

- Accounts available for 30 days
- Best to create Backup of Rollbase App
 - Include CRM Web App and Mobile App

Mobile and Rollbase Sessions this Week

When	What
Tues 10.45am – 11.45	Modern Business Application Development
Tues 1.15pm – 2.15pm	Rollbase for OpenEdge Dudes
Tues 1.15pm – 2.15pm	Using OpenEdge, Corticon, Rollbase and Node.js to Create a Dynamic, Rule- and Model-Driven Web-UI
Tues 4:15pm - 5:15pm	Advanced Mobile App Capabilities Made Simple
Tues 2.30pm - 3.30pm	ASP software Takes Trucking Business Mobile to Improve Accident Reporting and Safety
Tues 4.00pm – 5.00pm	How to Build a Mobile App in One Hour or Less
Wed 11.00am – 12.00	How Mobility Benefits Your Workforce, Your Customers, Your Business
Wed 11.00am – 12.00	Mastering Progress Rollbase, Inside and Out
Wed 2.45pm – 3.45pm	Integrating Rollbase and OpenEdge – The Rest of the Story

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