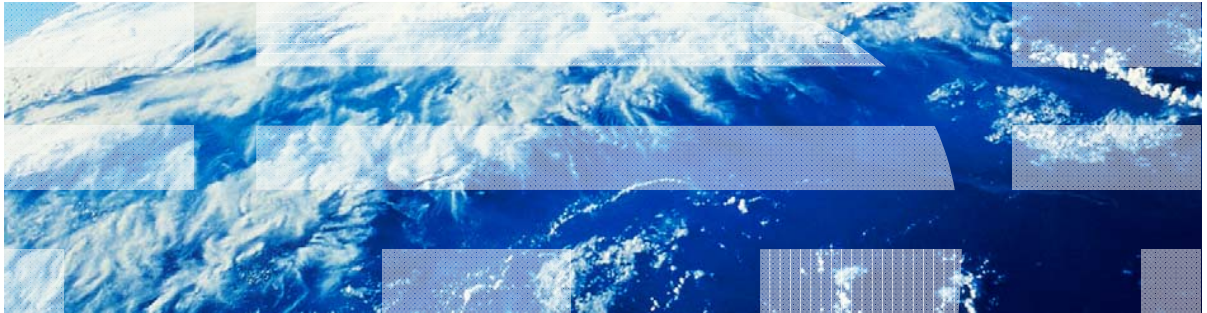


# ***IBM Worklight V6.0.0 Getting Started***

## Running the Dojo-based sample



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- See <http://www.ibm.com/ibm/us/en/>

# Agenda

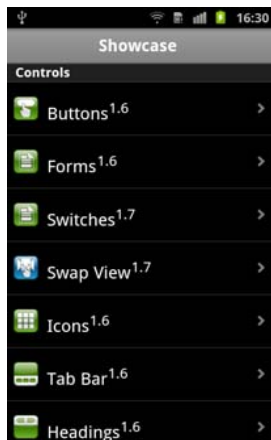
- General information
- Running the Dojo-based sample for Android
- Running the Dojo-based sample for iOS

## ***About this task***

- The Dojo Showcase is a hybrid mobile application designed for several mobile devices
- It features various Dojo mobile widgets and illustrates their function in web and hybrid applications for mobile platforms

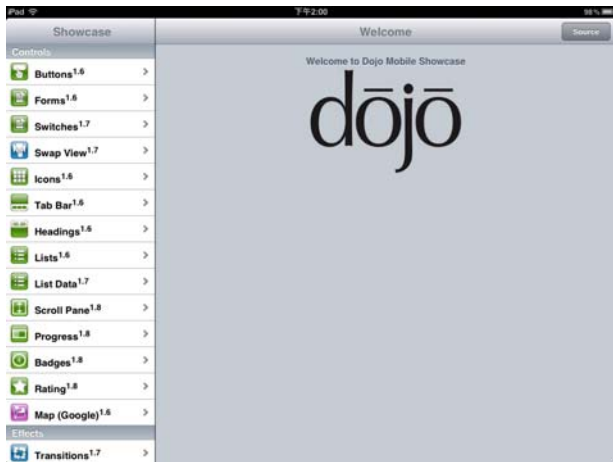
## About this task

- The Dojo Showcase works in two modes:
  - Single-column - for devices with small screens
  - Two-column - for devices with relatively large screens
- For Android:



## About this task

- For iOS:



## ***Generic workflow***

- The Android and iOS versions of the Dojo Showcase have the same structure
- The following workflow is common to both versions when running the demo:
  - Load the Dojo Showcase
    - The demo menu is displayed, grouped into three sections: Controls, Effects, and Data
      - Switched to the demo view in single-column mode
      - Displayed in the right column in two-column mode
  - Scroll the demo menu and click the demo item
    - The demo is loaded
  - Run the demo
    - Follow the instructions that are provided in **Explore the demos**

## Generic workflow

- Click **Source** to display the source view
  - Click the HTML tab to see the HTML template of the demo





## Generic workflow

- Click the JavaScript tab to see the corresponding JavaScript code for the demo
- Note that not all demos have JavaScript code



The screenshot shows a mobile application interface with a status bar at the top displaying '55544002.2', signal strength, and the time '4:23 PM'. The app has a 'Back' button and a 'Forms' title. Below the title are two tabs: 'HTML' and 'JavaScript', with 'JavaScript' being the active tab. The code displayed is as follows:

```
define(["dojo/dom", "dojo/on", "dijit/r
    "dojox/mobile/TextBox"

template HTML
    "dojox/mobile/TextArea
    "dojox/mobile/CheckBox
    "dojox/mobile/RadioButton
    "dojox/mobile/Slider"]

return {
    init: function(){
        registry.byId(
            on(registry.by
                // roll
                dom.byI
                registr
                registr
                registr
                registr
            });
    }
};
```



The screenshot shows a mobile application interface with a status bar at the top displaying 'No SIM', signal strength, and the time '3:48 PM'. The app has a 'Back' button and a 'Forms' title. Below the title are two tabs: 'HTML' and 'JavaScript', with 'JavaScript' being the active tab. The code displayed is as follows:

```
define(["dojo/dom", "dojo/on", "dijit/r
    "dojox/mobile/TextBox"

template HTML
    "dojox/mobile/TextArea
    "dojox/mobile/CheckBox
    "dojox/mobile/RadioButton
    "dojox/mobile/Slider"

return {
    init: function(){
        registry.byId
            on(registry.b
                // ro
                dom.b
                regis
                regis
                regis
                regis
            });
    }
};
```

## ***Generic workflow***

- Click **Demo** to return to the demo view
  - In single-column mode, you can also click **Back**
- Select another demo from the demo menu
  - In single-column mode, click **Back** to return to the demo menu and pick other demos
  - In two-column mode, you can directly click items in the demo menu to jump to different demos

# Agenda

- General information
- Running the Dojo-based sample for Android
- Running the Dojo-based sample for iOS

## ***Before you begin***

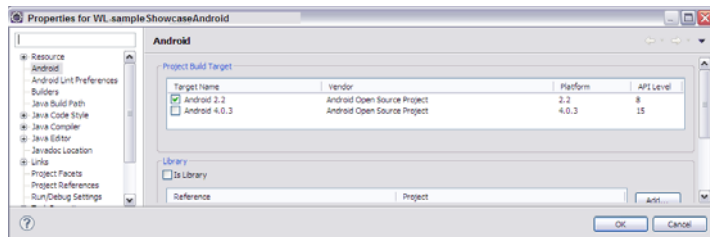
- See the following modules for how to build and deploy the Showcase:
  - Setting up your Worklight development environment
  - Setting up your Android development environment

## Known limitations

There are some known limitations in this Showcase. The following instructions describe how to implement workarounds to these limitations:

- **Zooming on Android tablets**

- On Android 3.0+ tablets, the Showcase is automatically zoomed which gives a poor user experience
- To disable zooming, perform the following steps to set the SDK version to 11 or above:
  - Right-click the generated Android project and then **Properties**



- Click **Android** in the properties list
- Change **Project Build Target** to Android 3.0 or above and click **OK**
- Edit AndroidManifest.xml in the root of the generated project
  - Set android:minSdkVersion to the API level of the **Project Build Target**

```
</application>
<uses-sdk android:minSdkVersion="15" />
</manifest>
```

## Known limitations

- Enable Showcase features
  - Edit AndroidManifest.xml in the root of the generated project
    - Add the following permission elements:

<code>&lt;uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION" /&gt;</code>	Allows access to a coarse location such as Cell-ID or WiFi
<code>&lt;uses-permission android:name="android.permission.ACCESS_FINE_LOCATION" /&gt;</code>	Allows access to a fine location such as GPS

- Please also check the product Release Notes for information about known defects

## ***Explore the demos***

- Run a demo by selecting any entry in the demo menu

## Explore the demos

- Buttons
  - Check that the colors, textures, and shapes are correct





## Explore the demos

- Forms
  - Check that the input operations on all controls work correctly
  - Click **Reset Form** to reset fields to their default values



A screenshot of a mobile application form titled "Alerts". The form is set against a black background with white text and controls. It contains the following elements: a section header "Issue alerts for:" followed by two radio buttons, "All messages" (unselected) and "Urgent messages only" (selected, indicated by a green checkmark); a toggle switch for "Audible alerts:" currently set to "OFF"; and a slider for "Alert volume". At the bottom of the form is a grey button labeled "Reset Form".



A screenshot of a mobile application titled "Forms" in the header. The header also includes a "Back" button and a "Source" button. The status bar at the top shows "5554:AVD2.2", signal strength, and the time "10:46 AM". The main content area is divided into three sections: "Personal Data" with fields for "Full name" (containing "Luke"), "Hide birthdate" (checked with a green checkmark), and "Goals" (empty); "Login" with fields for "User name\*" and "Password\*"; and "Alerts" which is a duplicate of the "Alerts" form shown in the previous image.

## Explore the demos

- Switches
  - Check that the styles and operations work correctly




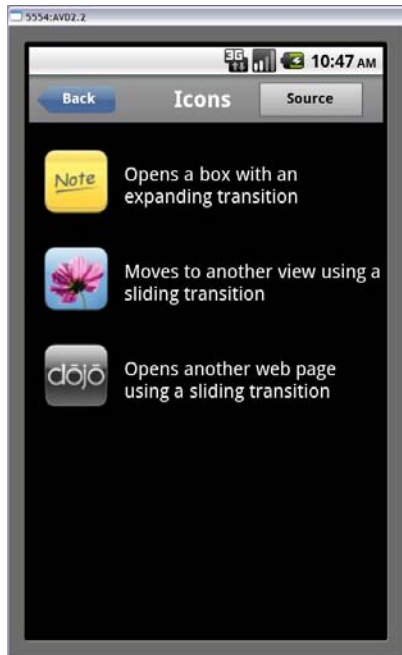
## Explore the demos

- Swap View
  - Swipe left and right to swap views
  - Note that if the swipe offset is not large enough, the view bounces back



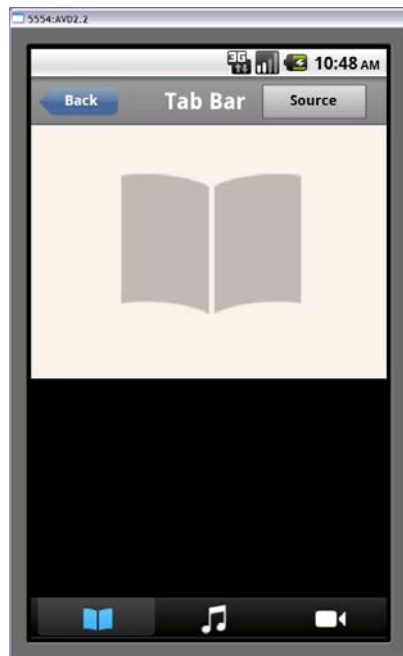
## Explore the demos

- Icons
  - Note: Opens a note book box
    - Click  to close it
  - Flower: Changes to another view with a sliding transition
  - Dojo: Opens a web page with a sliding transition



## *Explore the demos*

- Tab Bar
  - Click each icon on the tab bar to switch the view above



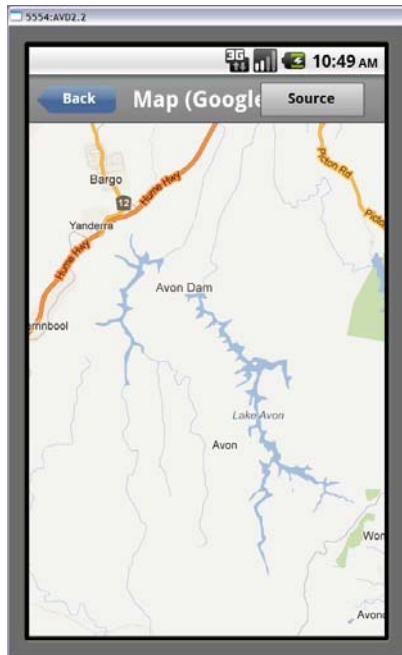
## Explore the demos

- Headings
  - Check that the styles are correct
  - Check that each button click is reflected in the text below



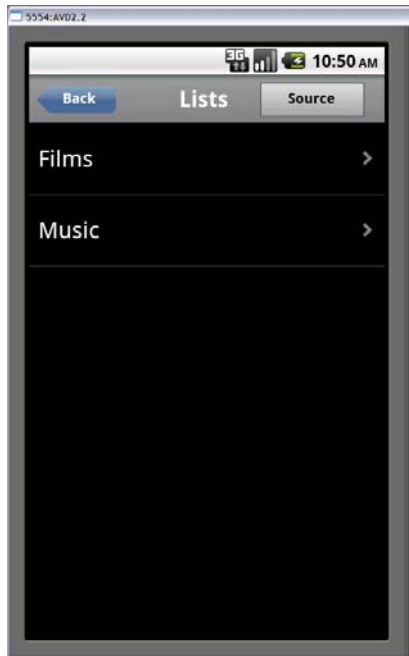
## Explore the demos

- Map (Google)
  - Check that Google Maps works correctly
  - If Geolocation is enabled, by default the current position is located and marked on the map



## Explore the demos

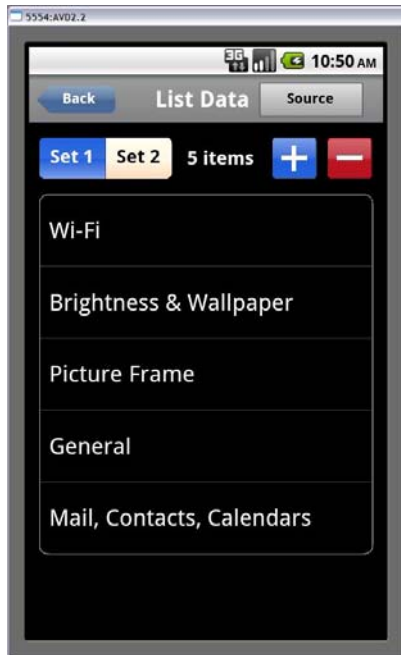
- Lists
  - Check that navigation between lists works correctly





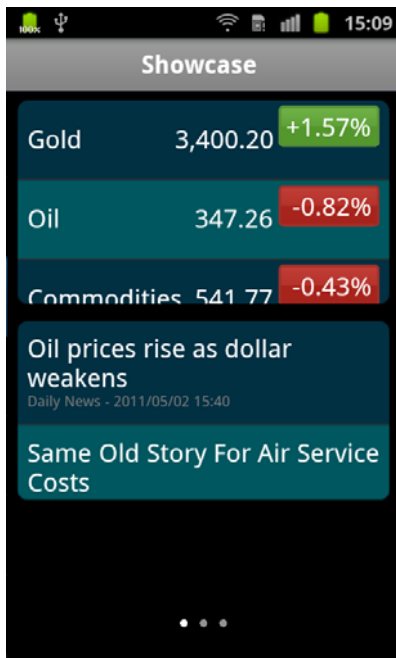
## Explore the demos

- List Data
  - Click **+** and **-** to add or remove current list items
  - Click **Set 1** and **Set 2** to toggle between two lists



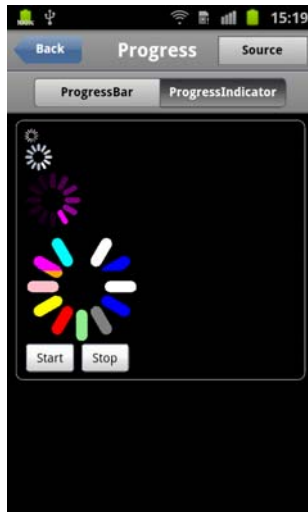
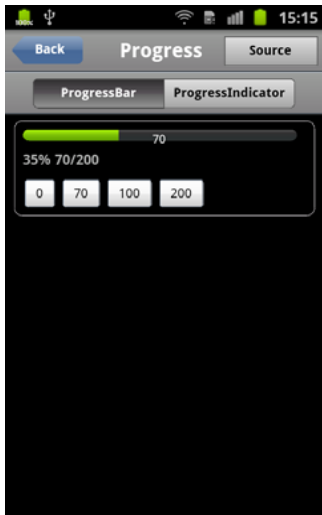
## Explore the demos

- Scroll Pane
  - Check that the top table is vertically scrollable
  - Check that the bottom table is horizontally scrollable



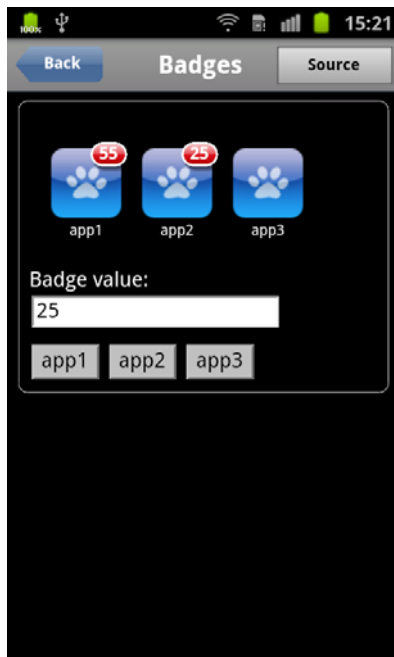
## Explore the demos

- Progress
  - ProgressBar: Click **0**, **70**, **100**, and **200** to control the progress bar
  - ProgressIndicator: Click **Start** and **Stop** to control the progress indicator



## Explore the demos

- Badges
  - Enter a numeric value in the **Badge value** field – *badge\_value*
  - Click **app1**, **app2**, and **app3** to display *badge\_value* on the respective icon



## Explore the demos

- Rating
  - Shows the different rating styles that are supported by Dojo



## Explore the demos

- Transitions
  - Check that each animation effect works correctly
  - Note:
    - On mobile devices, only Safari mobile on iOS correctly supports all animation effects
    - On desktops, Chrome and Safari correctly support all animation effects



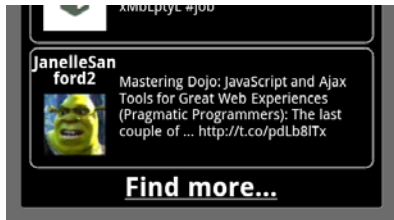
## Explore the demos

- CSS 3
  - Check that each CSS 3 animation effect works correctly



## Explore the demos

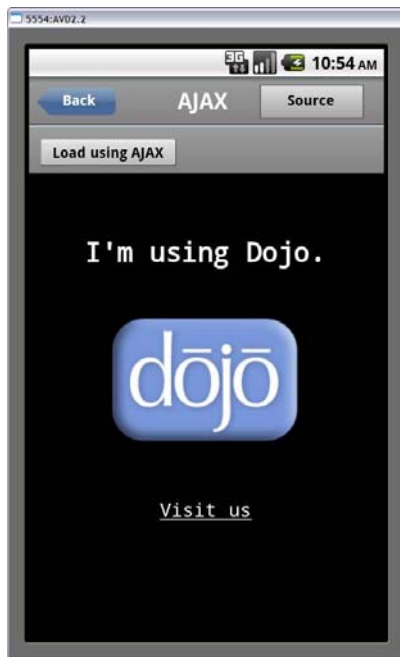
- JSON P
  - Check that Twitter search results are displayed
  - Progressive loading of more search results is supported by clicking the link at the bottom





## Explore the demos

- AJAX
  - Click **Load using AJAX** to load the following content:
    - Text string "I'm using Dojo."
    - Dojo icon
    - Link to Dojo Toolkit website



## Explore the demos

- HTML5
  - Click **Show Map** to see your location marked on Google Maps
    - If Geolocation is enabled, the current position is located and marked on the map
  - Enter travel log details in the input area
    - Travel log details are automatically saved every 30 seconds
  - Click **New** to delete the current travel log and create a new one



## ***Related information***

- For more information about Dojo Mobile widgets, including views, see the following link: <http://docs.dojocampus.org/dojox/mobile>

## ***Agenda***

- General information
- Running the Dojo-based sample for Android
- Running the Dojo-based sample for iOS

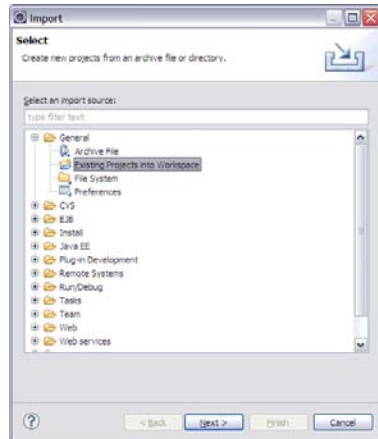
## ***Before you begin***

- See the following modules for how to build and deploy the Showcase:
  - Setting up your Worklight development environment
  - Setting up your iOS development environment

## Known limitations

There are some known limitations in this Showcase. The following instructions describe how to implement workarounds to these limitations:

- Importing a Worklight® project
  - The import window does not close when importing an existing project into the workspace for the first time
  - This behavior is a known Eclipse defect
    - [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=337913](https://bugs.eclipse.org/bugs/show_bug.cgi?id=337913)
  - To resolve this situation, perform the following steps:
    - Exit the Worklight Studio
      - Right-click the Eclipse icon and then **Close**
    - Restart the Worklight Studio
    - Delete the partially imported project from the workspace
    - Import the project again
      - The project is successfully imported



## Known limitations

- Screen rotation

- Apache Cordova disables screen rotation by default
- To enable free rotation, perform the following step:
  - Edit CDVMainViewController.m
    - Update method **shouldAutorotateToInterfaceOrientation** to always return **YES** in the generated native Xcode project

```
- (BOOL)shouldAutorotateToInterfaceOrientation:(UIInterfaceOrientation)interfaceOrientation
{
    // Return YES for supported orientations
    return (interfaceOrientation == YES);
}
```

- Please also check the product Release Notes for information about known defects

## ***Explore the demos***

- Run a demo by selecting any entry in the demo menu



## Explore the demos

- Buttons
  - Check that the colors, textures, and shapes are correct



## Explore the demos

- Forms
  - Check that the input operations on all controls work correctly
  - Click **Reset Form** to reset fields to their default values

**Alerts**

Issue alerts for:

All messages ☐

Urgent messages only ☒

Audible alerts: ☐ OFF

Alert volume

**Reset Form**

No SIM 3:53 PM

**Forms**

Back Source

**Personal Data**

Full name

Hide birthdate ☒

Goals

**Login**

User name\*

Password\*

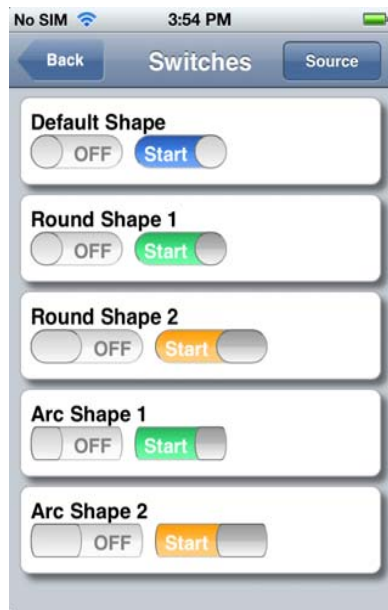
**Alerts**

Issue alerts for:

All messages ☐

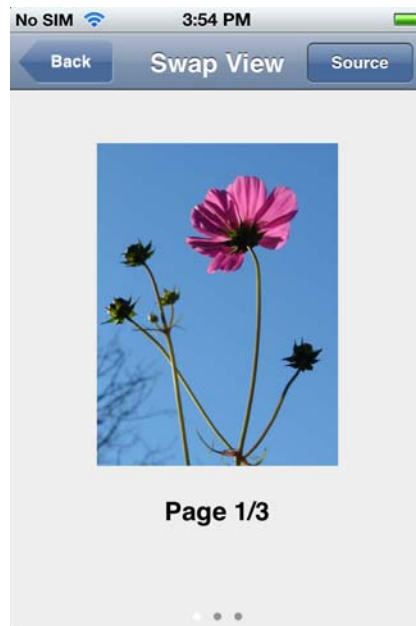
## Explore the demos

- Switches
  - Check that the styles and operations work correctly




## Explore the demos

- Swap View
  - Swipe left and right to swap views
  - Note that if the swipe offset is not large enough, the view bounces back



## Explore the demos

- Icons
  - Note: Opens a note book box
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  - Flower: Changes to another view with a sliding transition
  - Dojo: Opens a web page with a sliding transition



## *Explore the demos*

- Tab Bar
  - Click each icon on the tab bar to switch the view above



## Explore the demos

- Headings
  - Check that the styles are correct
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## Explore the demos

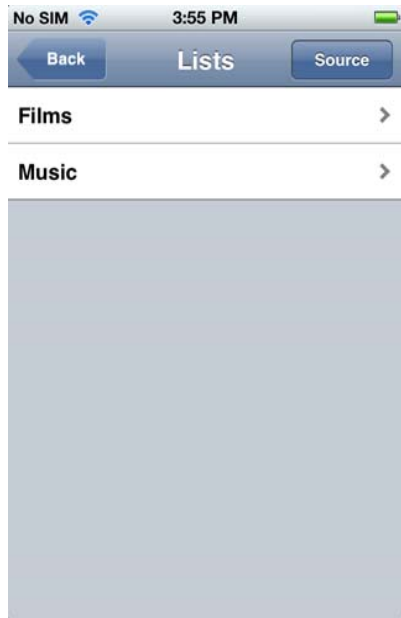
- Map (Google)
  - Check that Google Maps works correctly
  - If Geolocation is enabled, by default the current position is located and marked on the map





## Explore the demos

- Lists
  - Check that navigation between lists works correctly



## Explore the demos

- List Data
  - Click **+** and **-** to add or remove current list items
  - Click **Set 1** and **Set 2** to toggle between two lists



## Explore the demos

- Scroll Pane
  - Check that the top table is vertically scrollable
  - Check that the bottom table is horizontally scrollable

The screenshot shows a mobile application interface with a status bar at the top displaying 'No SIM', signal strength, time '15:37', and battery level '91%'. Below the status bar is a navigation bar with a 'Back' button, the title 'Scroll Pane', and a 'Source' button. The main content area contains a table of commodity prices and two news items.

Gold	3,400.20	+1.57%
Oil	347.26	-0.82%
Commodities	541.77	-0.43%
Silver	12,823.94	+0.17%

Oil prices rise as dollar weakens  
Daily News - 2011/05/02 15:40

Same Old Story For Air Service Costs  
Daily News - 2011/05/02 14:30

## Explore the demos

- Progress
  - ProgressBar: Click **0**, **70**, **100**, and **200** to control the progress bar
  - ProgressIndicator: Click **Start** and **Stop** to control the progress indicator



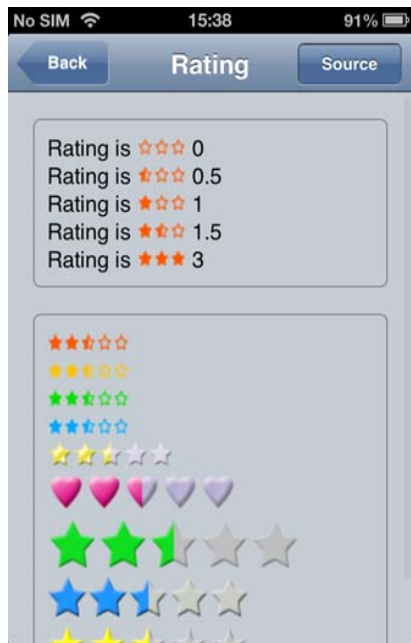
## Explore the demos

- Badges
  - Enter a numeric value in the **Badge value** field – *badge\_value*
  - Click **app1**, **app2**, and **app3** to display *badge\_value* on the respective icon



## Explore the demos

- Rating
  - Shows the different rating styles that are supported by Dojo



## Explore the demos

- Transitions
  - Check that each animation effect works correctly
  - Note:
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## Explore the demos

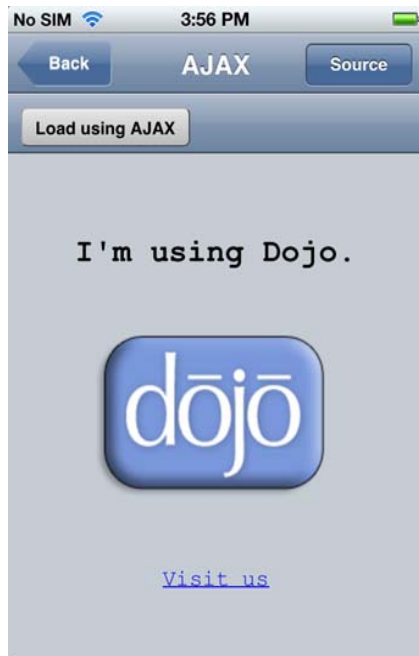
- CSS 3
  - Check that each CSS 3 animation effect works correctly





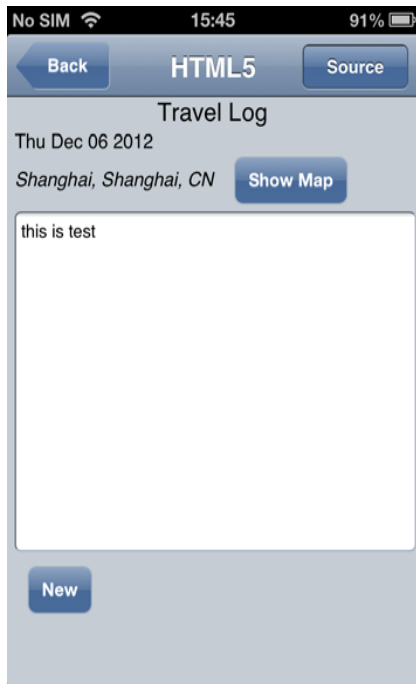
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- AJAX
  - Click **Load using AJAX** to load the following content:
    - Text string "I'm using Dojo."
    - Dojo icon
    - Link to Dojo Toolkit website



## Explore the demos

- HTML5
  - Click **Show Map** to see your location marked on Google Maps
    - If Geolocation is enabled, the current position is located and marked on the map
  - Enter travel log details in the input area
    - Travel log details are automatically saved every 30 seconds
  - Click **New** to delete the current travel log and create a new one



## ***Related information***

- For more information about Dojo Mobile widgets, including views, see the following link: <http://docs.dojocampus.org/dojox/mobile>

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***Thank You***

