Kick-Starting Your Mobile App Development

Introduction

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R&D

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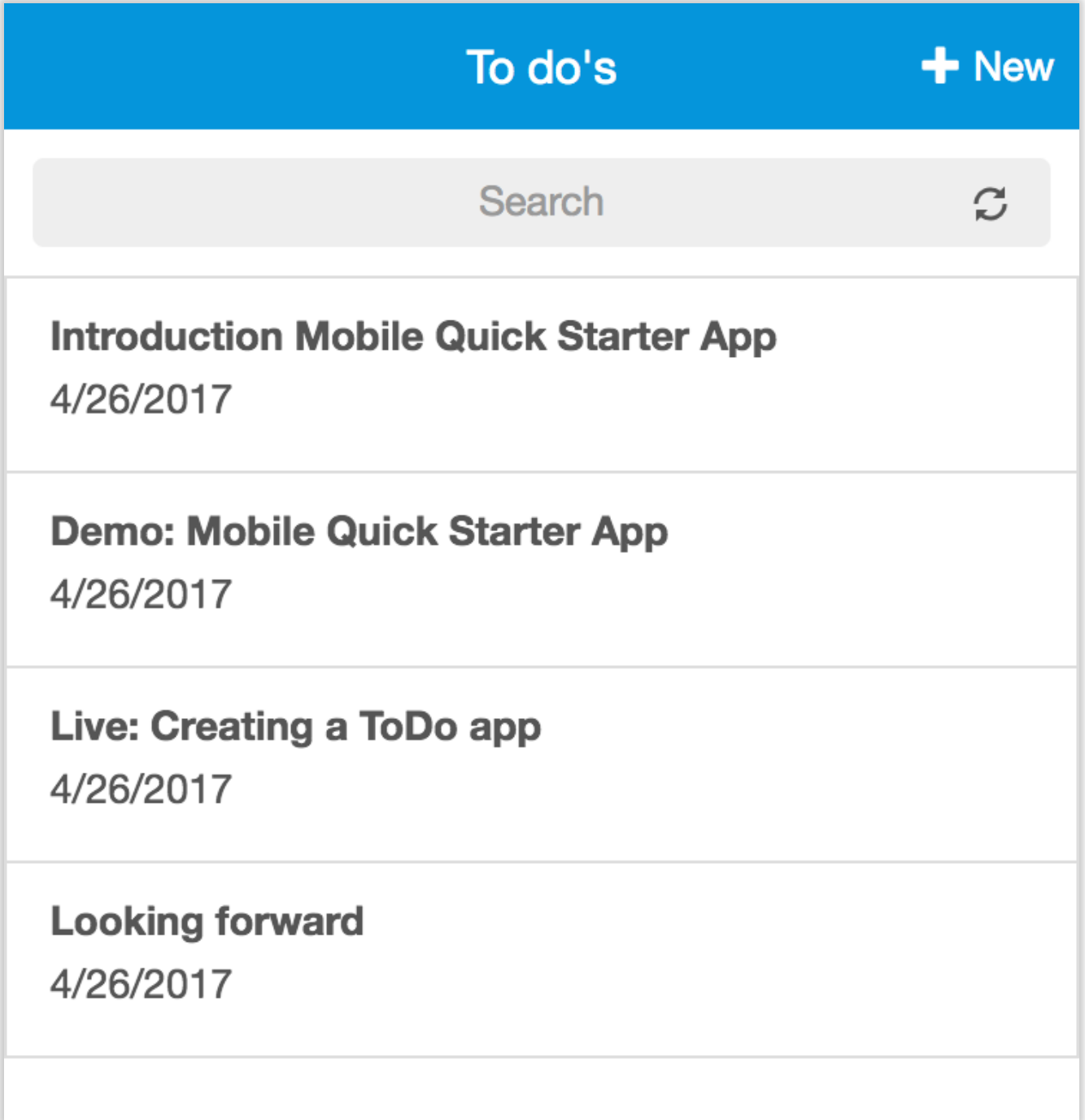
To do's
New
Search
Introduction Mobile Quick Starter App
4/26/2017
Demo: Mobile Quick Starter App
4/26/2017
Live: Creating a ToDo app
4/26/2017
Looking forward
4/26/2017

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High level steps

Project Start	Project Implementation	App building/publishing
How to quickly start a project and apply best practices?	How to create a great user experience and a rich UI?	How to build your app easily and errorless?
• Mobile Quick Starter App • Blog post series	• New widgets • App store discoverability	• More settings in Cloud portal • Standard approach for advanced changes

Coming soon

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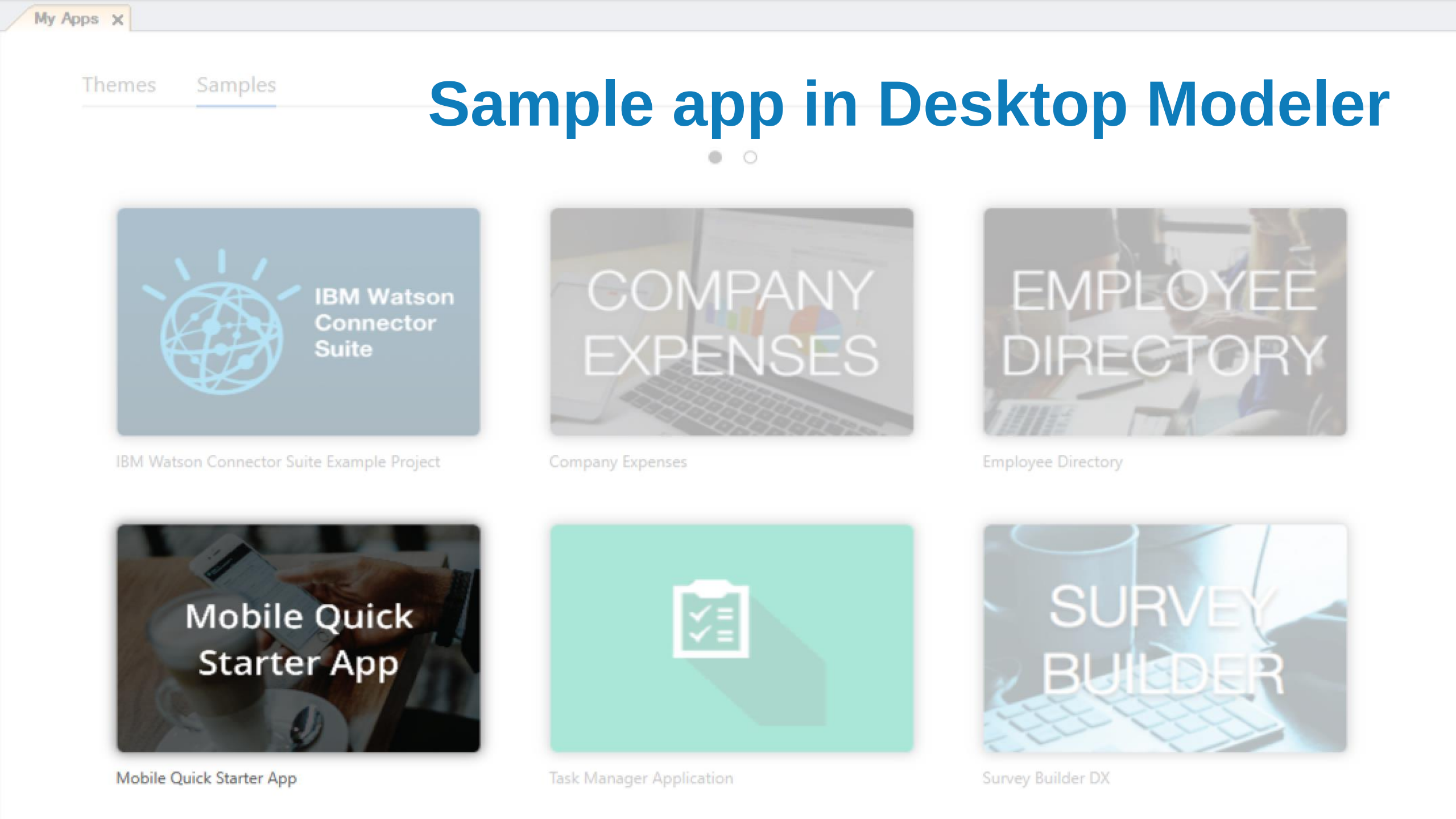
Sample app in Desktop Modeler



The Mobile Quick Starter app

helps (new) developers to

rapidly and easily

build rich mobile apps

with a native look & feel

and according to best practices

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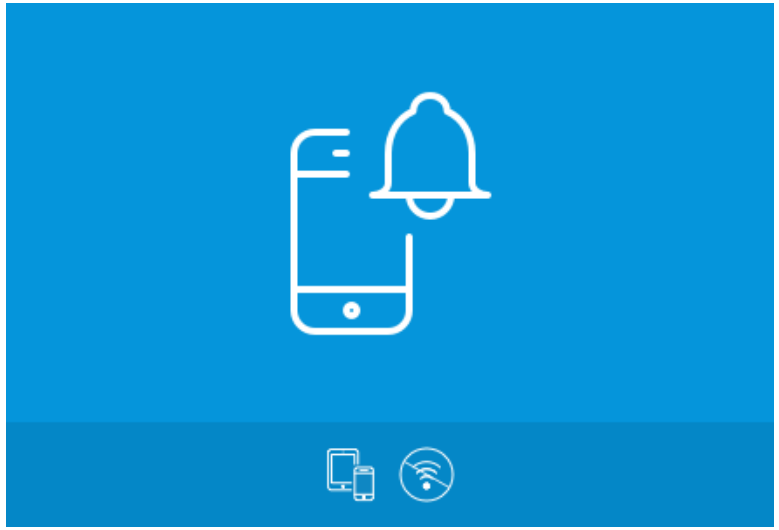
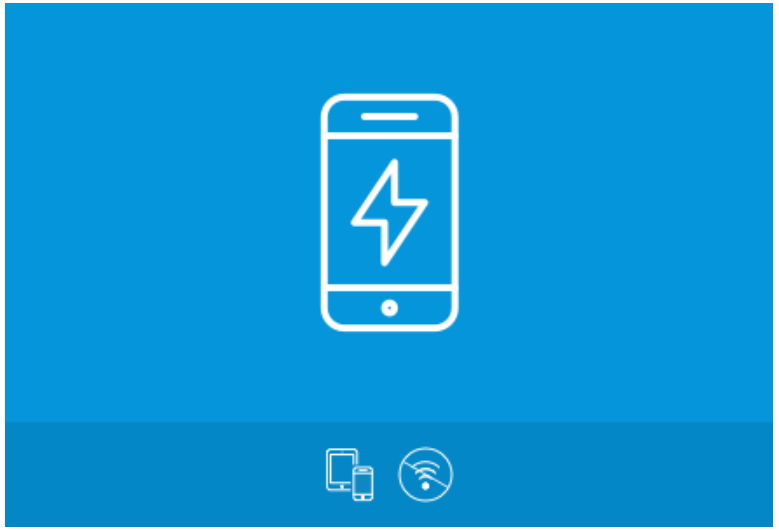
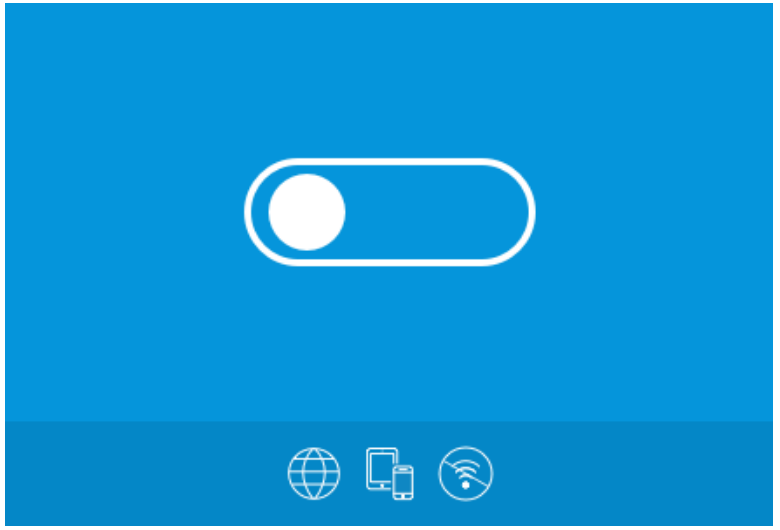
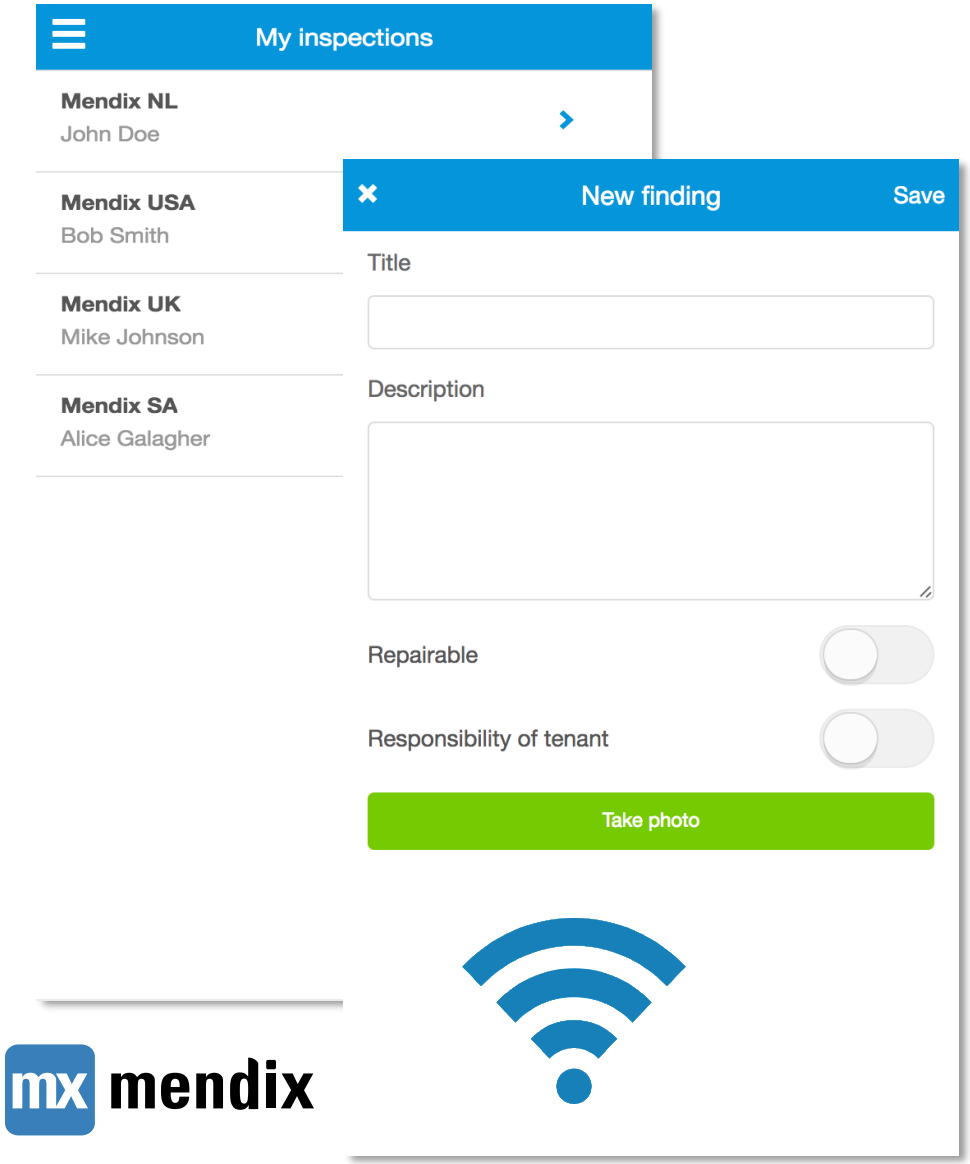
Standard (preconfigured) features / widgets

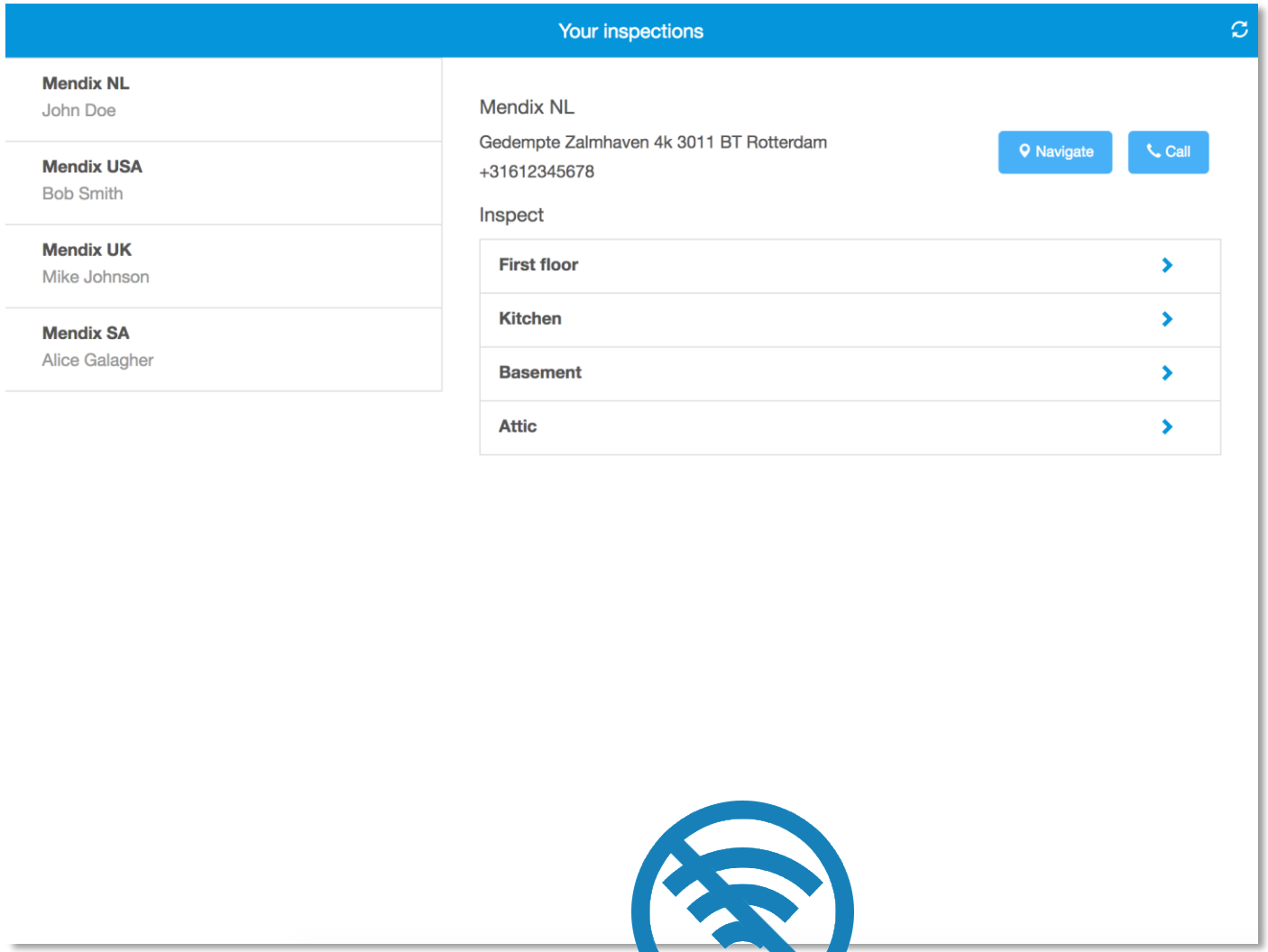






Example inspection module





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Demo Mobile Quick Starter App

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Building a ToDo App

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ADD-ONS

- Connectors
  - Internet-of-Things
  - Machine Learning
  - Cognitive Services
  - Data
- Mobile
  - Featured
  - Native Interaction
  - Connectors
- Widgets
  - Input
  - Display
- Modules
  - Authentication
  - Import/export
  - Messaging
  - Scheduling
  - Tracing
  - Other
- Themes
- App Services
- Add-on Examples
- Sample apps

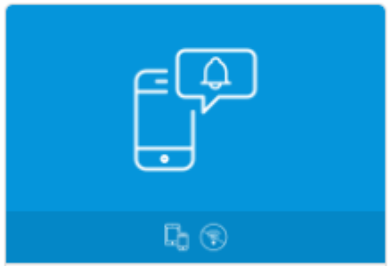
OTHER

- My App Store
- Modeler
- Solutions
- Partners

Mobile featured

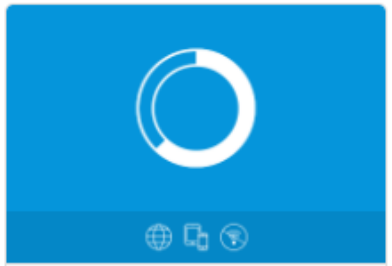
More widgets are coming

1 to 12 of 12

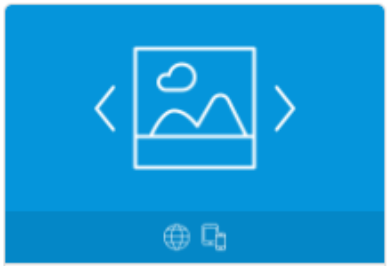


Push Notifications Connector

List view swipe

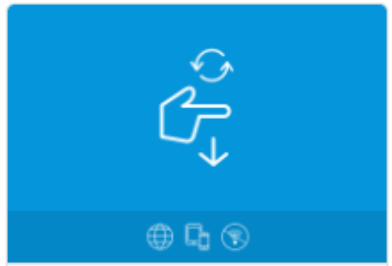


Progress circle



Carousel

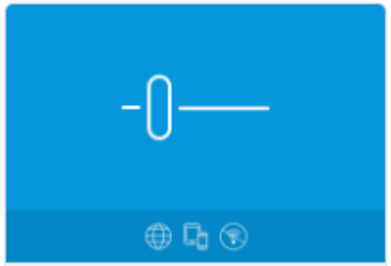
Google maps



Pull to refresh

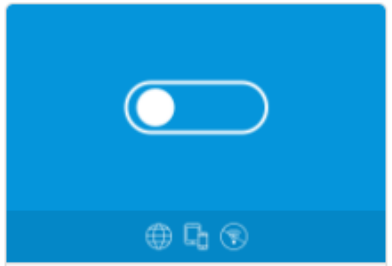
Progress bar

Time series

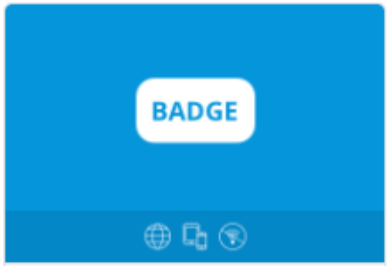


Slider

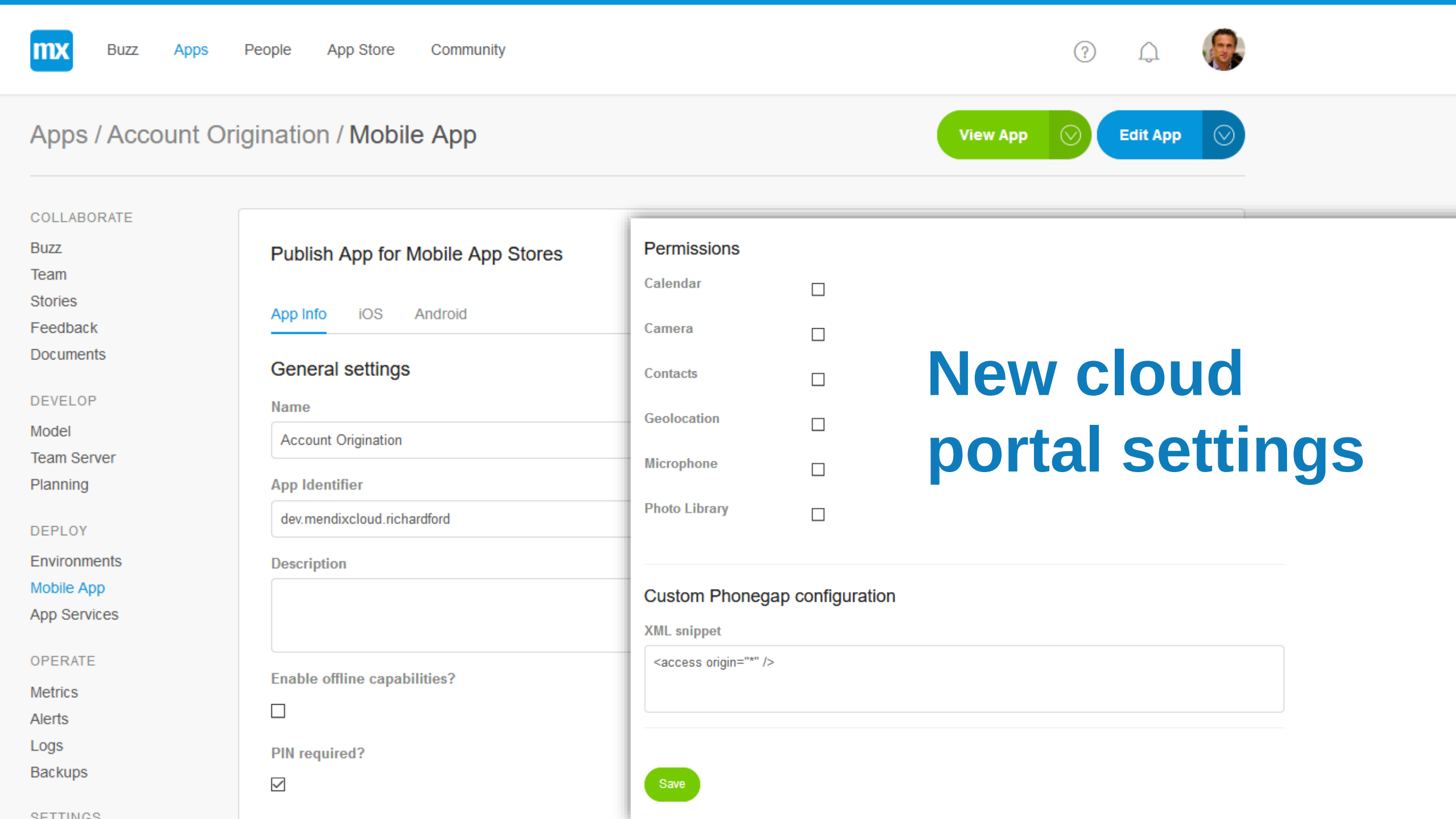
Auto load more



Switch



Badge


Buzz
Apps
People
App Store
Community
Apps / Account Origination / Mobile App
View App
Edit App
COLLABORATE
Buzz
Team
Stories
Feedback
Documents
DEVELOP
Model
Team Server
Planning
DEPLOY
Environments
Mobile App
App Services
OPERATE
Metrics
Alerts
Logs
Backups
Publish App for Mobile App Stores
App Info
iOS
Android
General settings
Name
Account Origination
App Identifier
dev.mendixcloud.richardford
Description
Enable offline capabilities?
PIN required?
Permissions
Calendar
Camera
Contacts
Geolocation
Microphone
Photo Library
Custom Phonegap configuration
XML snippet
<access origin="*" />
Save
New cloud portal settings

Advanced developer flow

Mendix PhoneGap Build app template

Mendix apps can simply be viewed in mobile web browsers. However, some features of mobile devices cannot be accessed through HTML and Javascript. Also, if you want to publish your app on the Apple App Store, Google Play or Microsoft Phone Store, you have to wrap your app in a native shell. We use PhoneGap to do this. PhoneGap creates a native wrapper around a web application and provides access to native functions through a Javascript API. These apps are also called *hybrid* apps because they are a hybrid of a web and a native app.

This project contains the Mendix PhoneGap Build app template. It can be used to customize your mobile Mendix app, debug the app using emulators, and build installable packages of your app, either locally or using Phonegap Build. By using this template, you can easily adapt many facets of your app, like styling, icons, splash screens, and the login screen.

Prerequisites

- Install NodeJS
  - You can download the installer from https://nodejs.org/en/download/
  - On MacOS, you can use Brew to install NodeJS: `brew install node`
  - On Unix, you can use your distro's package manager, e.g. for Debian-based systems: `sudo apt-get install node`
- Make sure that the NodeJS executable is on your path. In most cases, this is done for you by the installer.

Setup

Hint: all text displayed between `like this`, is to be executed from the command line

- Obtain a local copy of this project, by doing one of the following:
  - Download a .zip package through the Mendix Portal. By following this path, a lot of configuration will already be filled in for you.
  - Clone or fork this repository from GitHub
- Install Webpack globally: `npm install -g webpack`
- Install Phonegap globally: `npm install -g phonegap`
- Go to the root directory of the project: `cd <path/to/project`
- Install all dependencies: `npm install`
  - This will also prepare a .zip package that can be sent to Phonegap Build, in the "dist" folder.

Advanced Setup

In order to create deployment packages locally (instead of with Phonegap Build) or to run your app on an emulator, you will need to install additional tooling.

Start building your app with the
Mobile Quick
Starter App

Questions?

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Thank you!

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