Mendix: Delivering the Future of Mobile App Development

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Agenda

1. Next generation mobile apps
2. Customer case: Rabobank by Finaps
3. QA
Next generation of mobile apps

Top-notch user experience
Native Mobile

Reliable & Fast
Offline first

Great & Powerful developer experience
Rich set of capabilities, flexible & extensible
Fasten your seatbelt
Native Mobile Quick Start App

Ready to go
Offline first

Mendix 8 Beta
• Configurable sync
• XPath support
• Many new nanoflow activities

Mendix 8 GA
• Subnanoflows
• Call Microflow
Native profile
Mobile focused features

Widgets & properties
Native Developer app

Instant update
Standard Atlas UI theme

Rich set of widgets
Design properties
ReactNative Styling

Platform specific possible

```javascript
export const ActionButton = {
  container: {
    borderWidth: 1,
    borderStyle: 'solid',
    borderColor: button.primary.border.color,
    backgroundColor: button.primary.background.color,
    alignItems: 'center',
    justifyContent: 'center',
    borderRadius: button.borderRadius,
    ...Platform.select({
      ios: {
        paddingLeft: spacing.smaller,
        paddingRight: spacing.regular,
      },
      android: {
        paddingLeft: spacing.smaller,
        paddingRight: spacing.small,
      },
    }),
  },
  icon: {
    color: button.primary.color,
  },
  caption: {
    textAlign: 'center',
    color: button.primary.color,
  },
};
```
import { Platform, Dimensions } from 'react-native';
import { setColorBasedOnBackground, setContrasScale } from './helperfunctions';
import { adjustFont } from './helperfunctions/adjustfont';

// Global variables

// Variables to be used during styling

// System defined read-only values

export const { height: deviceHeight, width: deviceWidth } = Dimensions.getGlobalSize();
const darkMode = false;
const backgroundColor = darkMode ? '#222' : '#FFF';

// Brand Style

export const brand = {
    primary: '#5958DB',
    success: '#76CA82',
    warning: '#F9981d',
    danger: '#ed1c24',
};

// Background Colors

export const background = {
    primary: backgroundColor,
    secondary: backgroundColor(0.5, backgroundColor),
};

// Gray colors

export const contrast = {
    highest: setContrastScale(0.05, backgroundColor),
    higher: setContrastScale(0.3, backgroundColor),
    high: setContrastScale(0.65, backgroundColor),
    regular: setContrastScale(0.85, backgroundColor),
    low: setContrastScale(0.35, backgroundColor),
    lower: setContrastScale(0.2, backgroundColor),
    lowest: setContrastScale(0.05, backgroundColor),
};

// Border Style

export const border = {
    color: setContrastScale(0.17, backgroundColor),
};
50+ new nanoflow activities

Device capabilities and app logic
Pluggable nanoflow actions

JavaScript actions
Pluggable widgets

ReactNative components
Our impassioned and ambitious team translates business needs, in collaboration with our clients, into impactful software solutions.

We have a can-do mentality. We are Finaps.
Mobile banking app for 500,000 users in Germany and Belgium
Goals

- Reusability
- Small DevOps team
- Great UX
- Security
Native mobile private beta program
Rabobank IDB mobile banking app
How? Joint effort

- Actual use case
- Mendix partner from the start
- Cooperation with R&D and Expert Services
Approach

- 4 phases
- Proof of concepts (security vendor & core banking platform)
- Every Tuesday @Mendix office
- Close collaboration with Mendix R&D and expert services
Architecture

- Mobile client
  - Native SDK
  - Piwik SDK
- Mendix Server
  - Client API
  - Shared Mendix modules
- Service Layer
- Core banking platform
- Piwik server
- Security platform
Experience

• Enabler for fast native mobile development
• JS actions (editor in MX) are awesome
• Stable releases
• Reusability of desktop components
• Close collaboration is a success
Next steps

- Tablet specific profile & side bar support
- Snippets, building blocks & page templates
- Multilingual support
- Appstore publishing & over the air update
Go make great apps!
Thank you! Questions?

Check-out next sessions:
3:15pm: Building the next generation of mobile apps
4:15pm: Maximizing next generation experiences with Mendix pluggable components