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

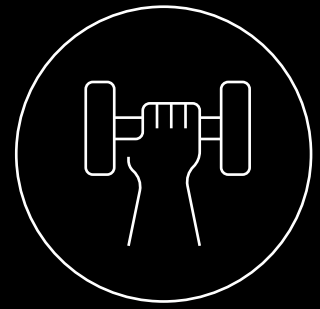
Next generation of mobile apps

Top-notch user experience

Native Mobile

Reliable & Fast

Offline first



Great & Powerful developer experience

Rich set of capabilities, flexible & extensible

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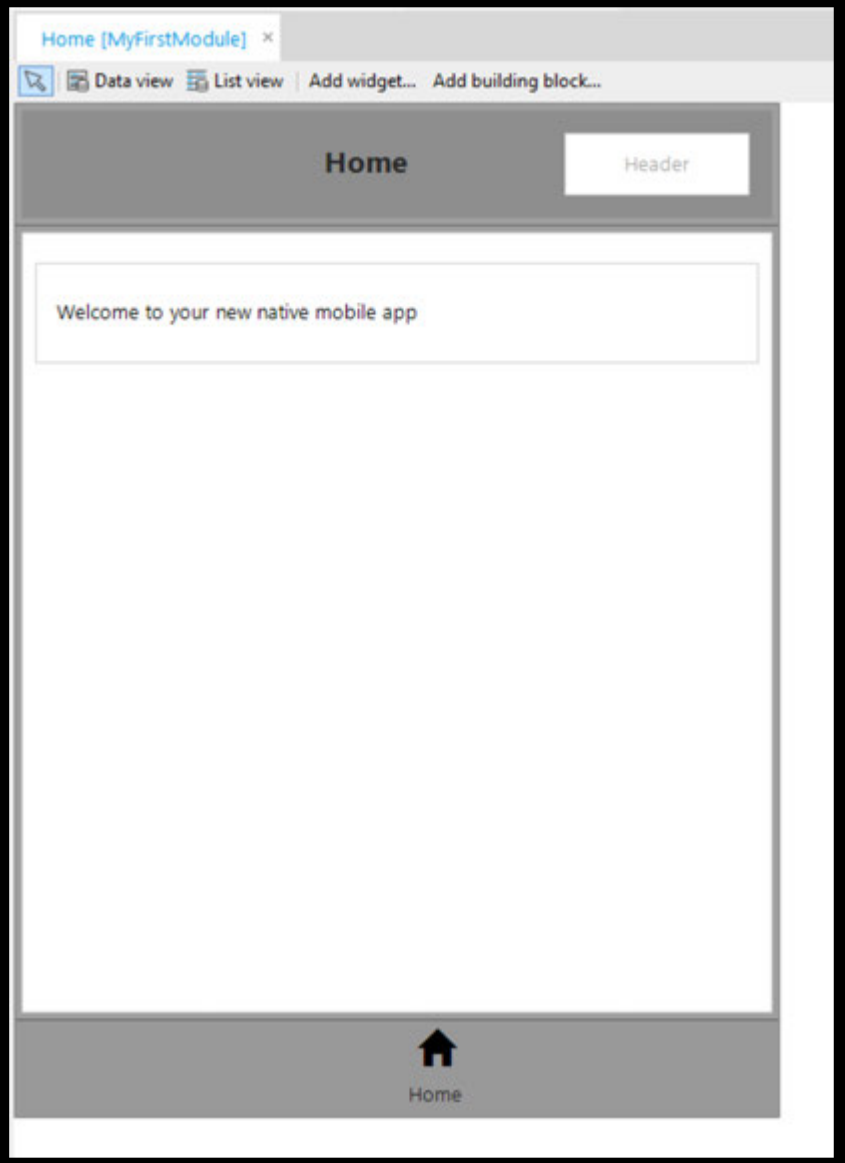
Native Mobile Quick Start App

Ready to go



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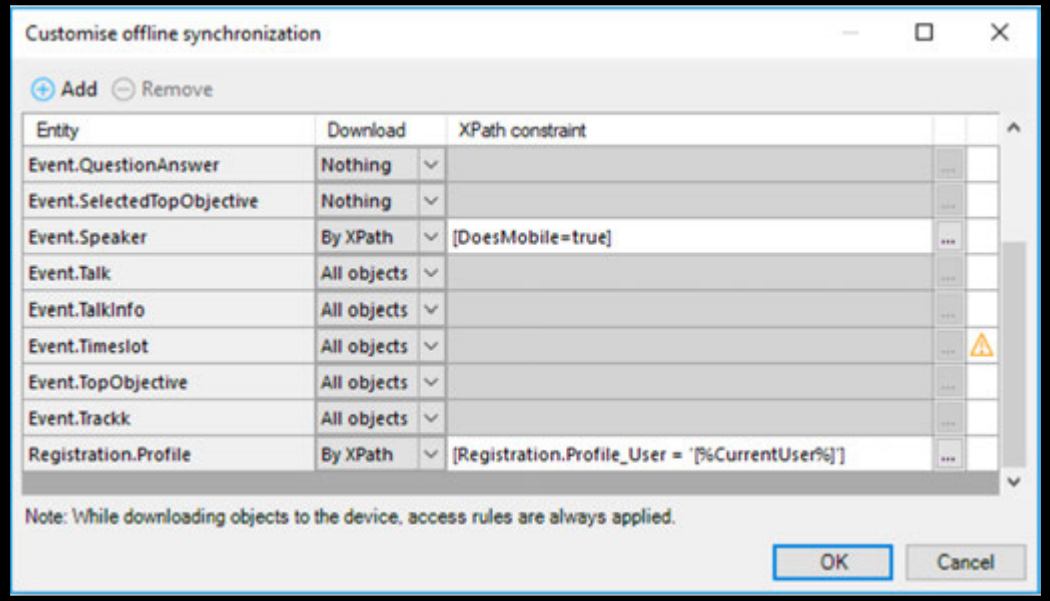
Offline first

Mendix 8 Beta

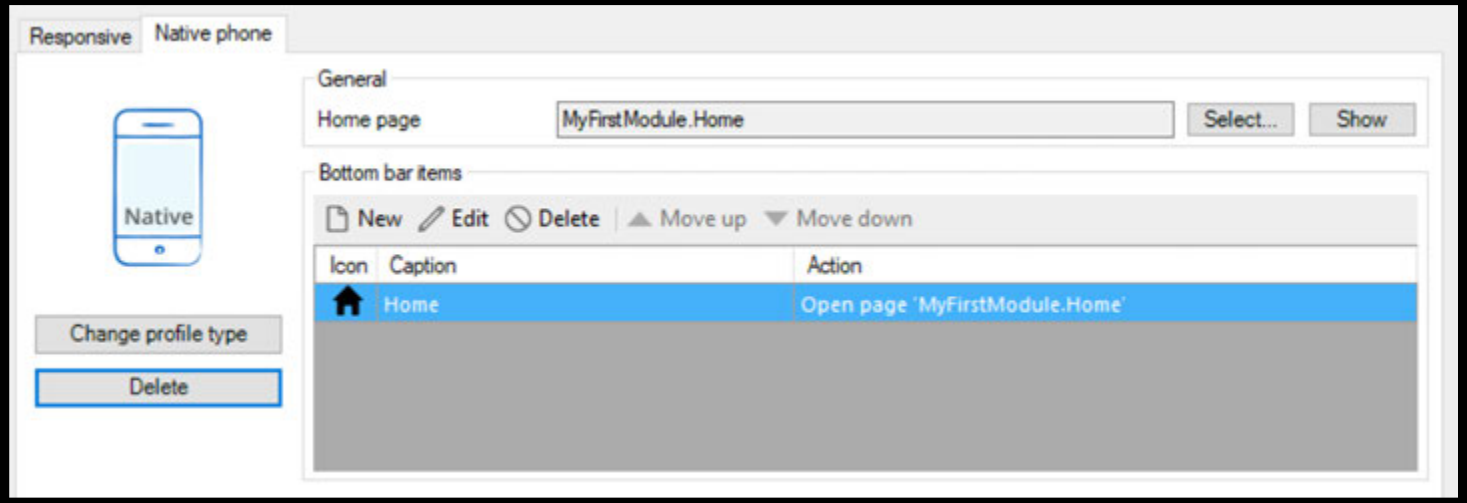
- Configurable sync
- XPath support
- Many new nanoflow activities

Mendix 8 GA

- Subnanoflows
- Call Microflow

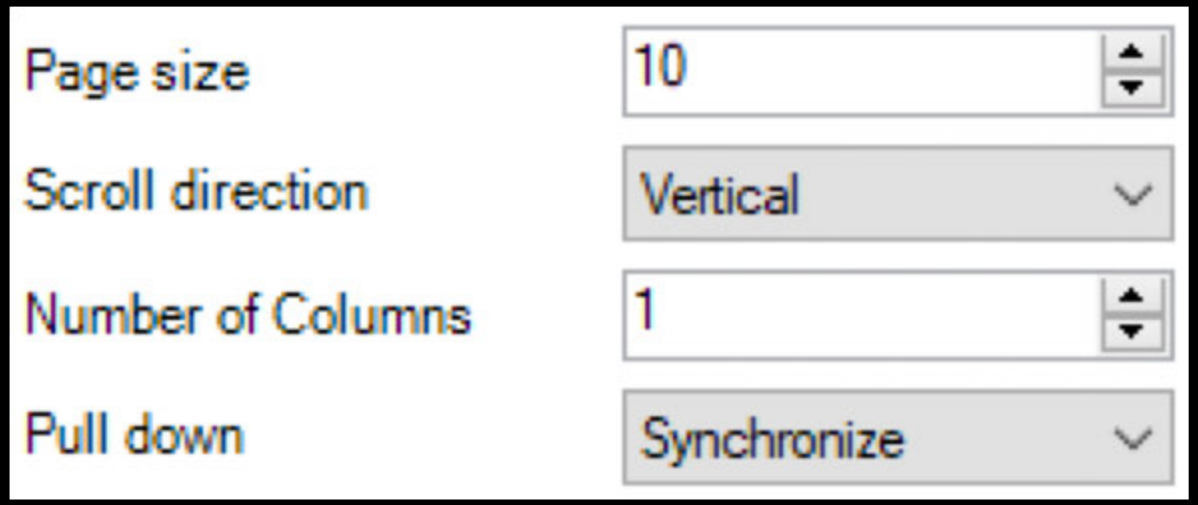


Native profile



Mobile focused features

Widgets & properties

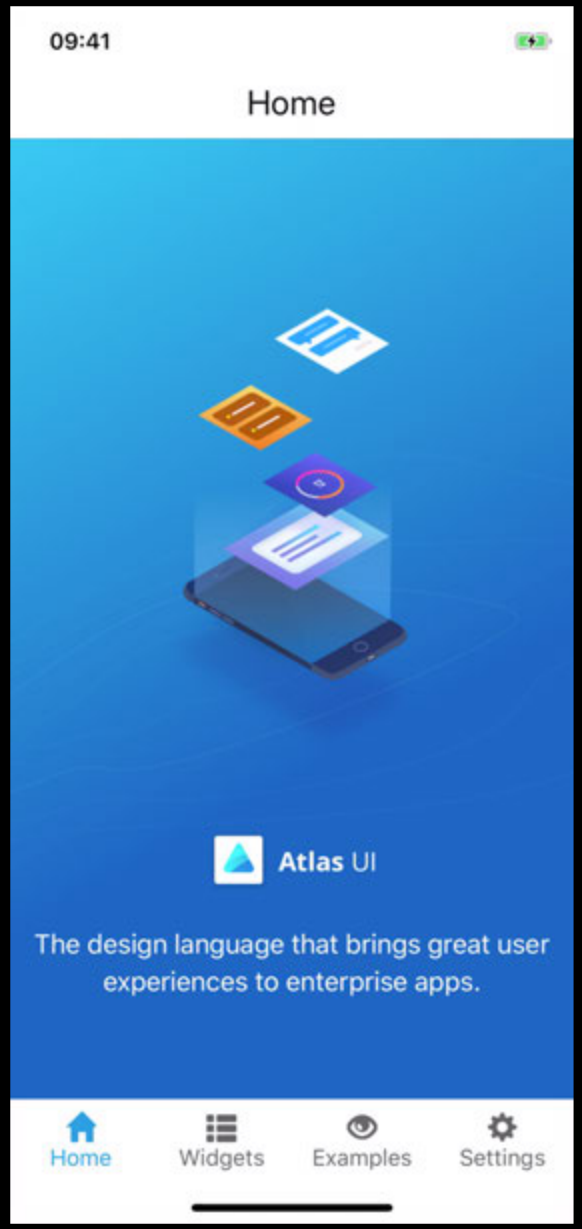


Native Developer app

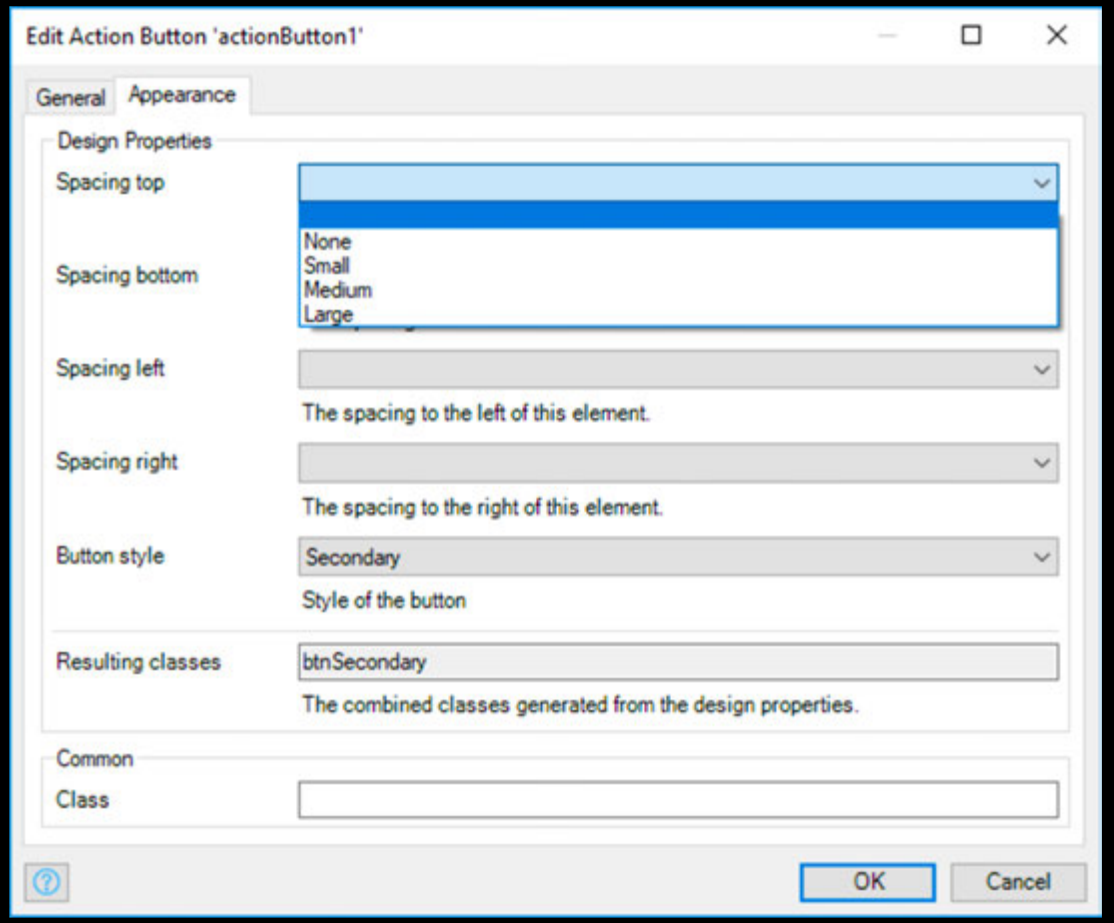
Instant update

Standard Atlas UI theme

Rich set of widgets



Design properties



ReactNative Styling

Platform specific possible

```
export const ActionButton = {
    container: {
        borderWidth: 1,
        borderStyle: 'solid',
        borderColor: button.primary.borderColor,
        backgroundColor: button.primary.backgroundColor,
        alignItems: 'center',
        justifyContent: 'center',
        borderRadius: button.borderRadius,
        ...Platform.select({
            ios: {
                paddingVertical: spacing.smaller,
                paddingHorizontal: spacing.regular,
            },
            android: {
                paddingVertical: spacing.smaller,
                paddingHorizontal: spacing.small,
            },
        }),
    },
    icon: {
        color: button.primary.color,
    },
    caption: {
        textAlign: 'center',
        color: button.primary.color,
    },
};
```

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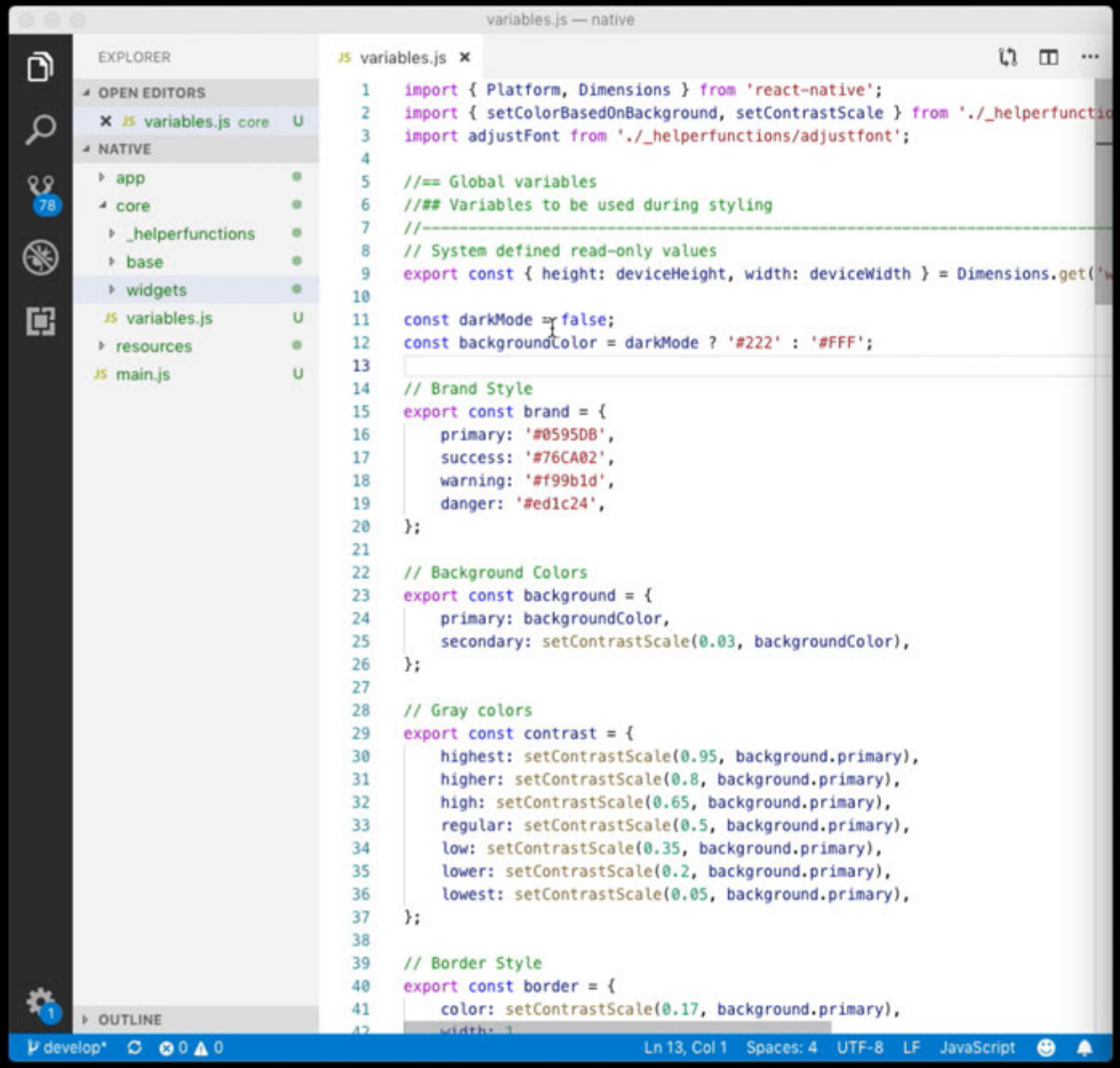

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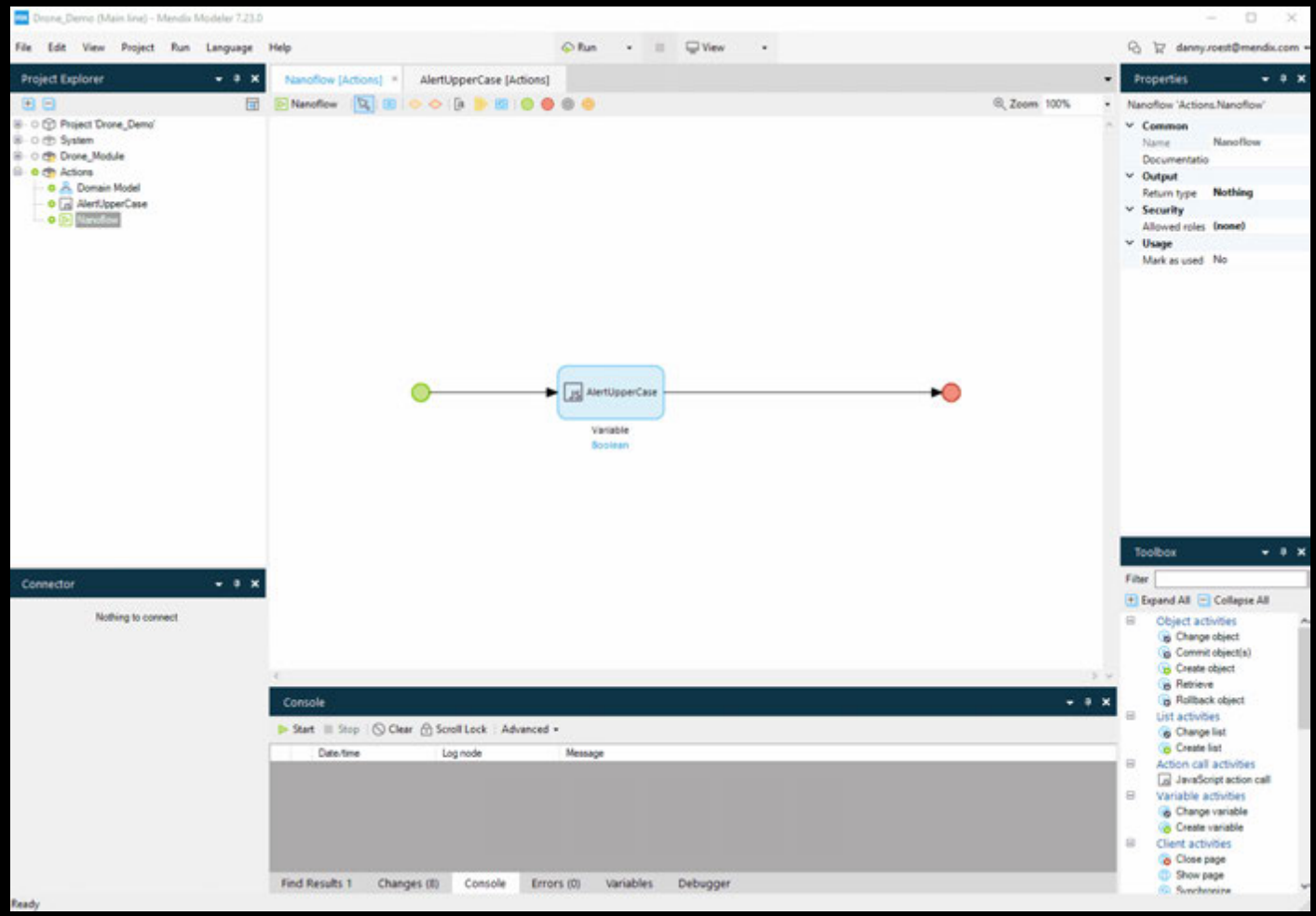
50+ new nanoflow activities

Device capabilities and app logic

Pluggable nanoflow actions

JavaScript actions



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Pluggable widgets

ReactNative components

```
export class NativeProgressCircle extends Component<NativeProgressCircleProps<CustomStyle>> {
    render(): JSX.Element {
        return (
                <ProgressCircle
                percent={this.props.percentage ? Number(this.props.percentage.value) : 0 }
                radius={50}
                borderWidth={8}
                color="#3399FF"
                shadowColor="#999"
                bgColor="#fff"
            >
            </ProgressCircle>
        )
    }
}
```

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.

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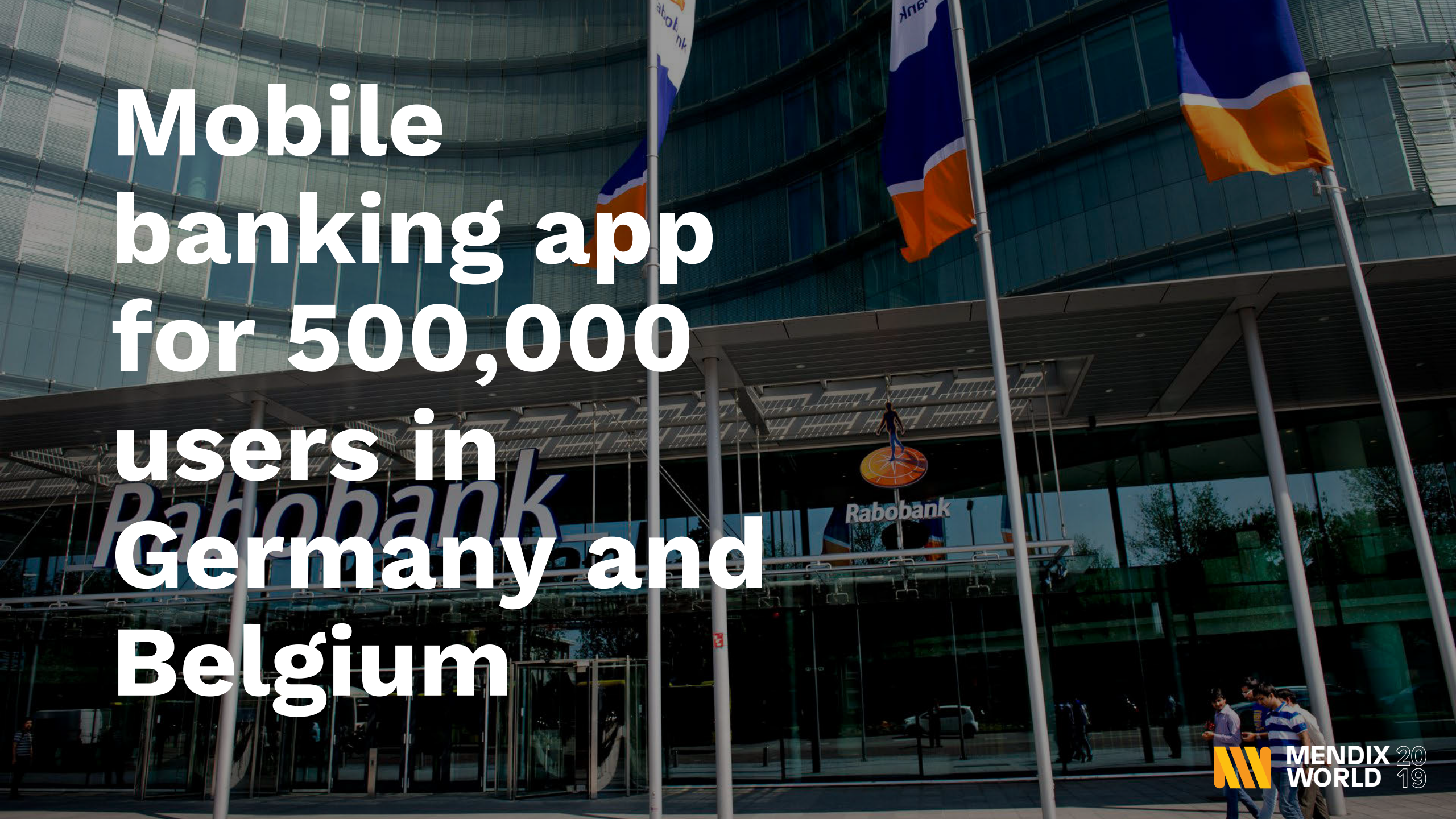

Mobile banking app for 500,000 users in Germany and Belgium

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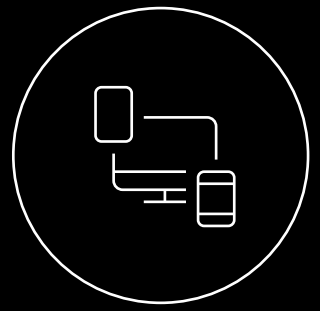
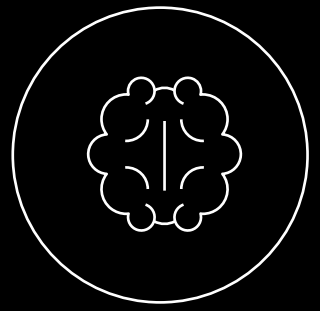
Goals

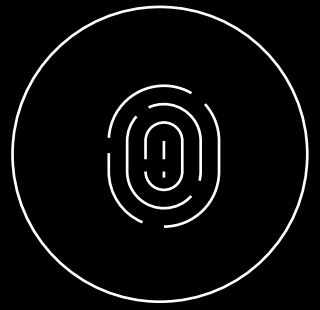


Reusability

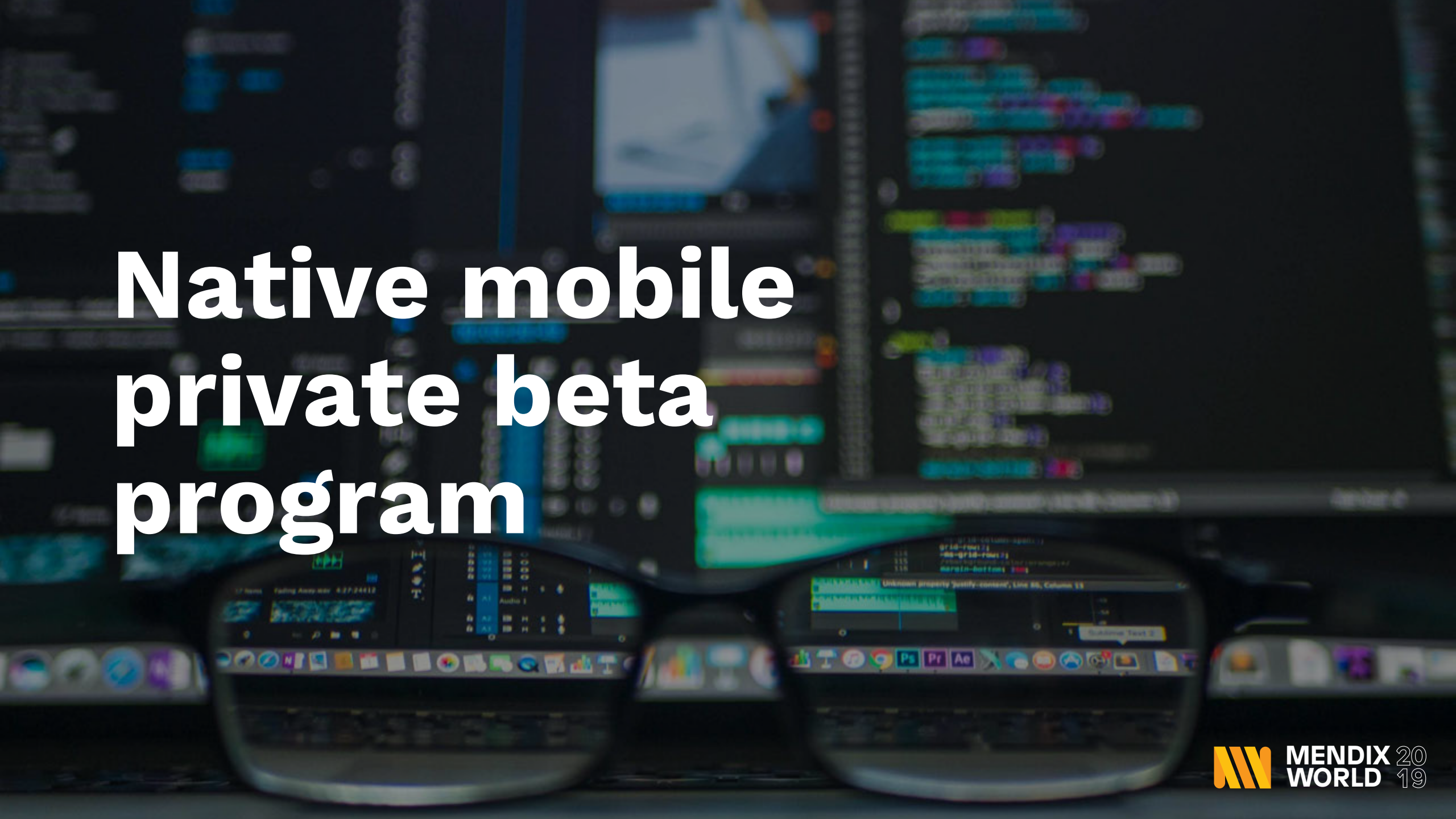
Small DevOps team



Great UX



Security


Native mobile
private beta
program
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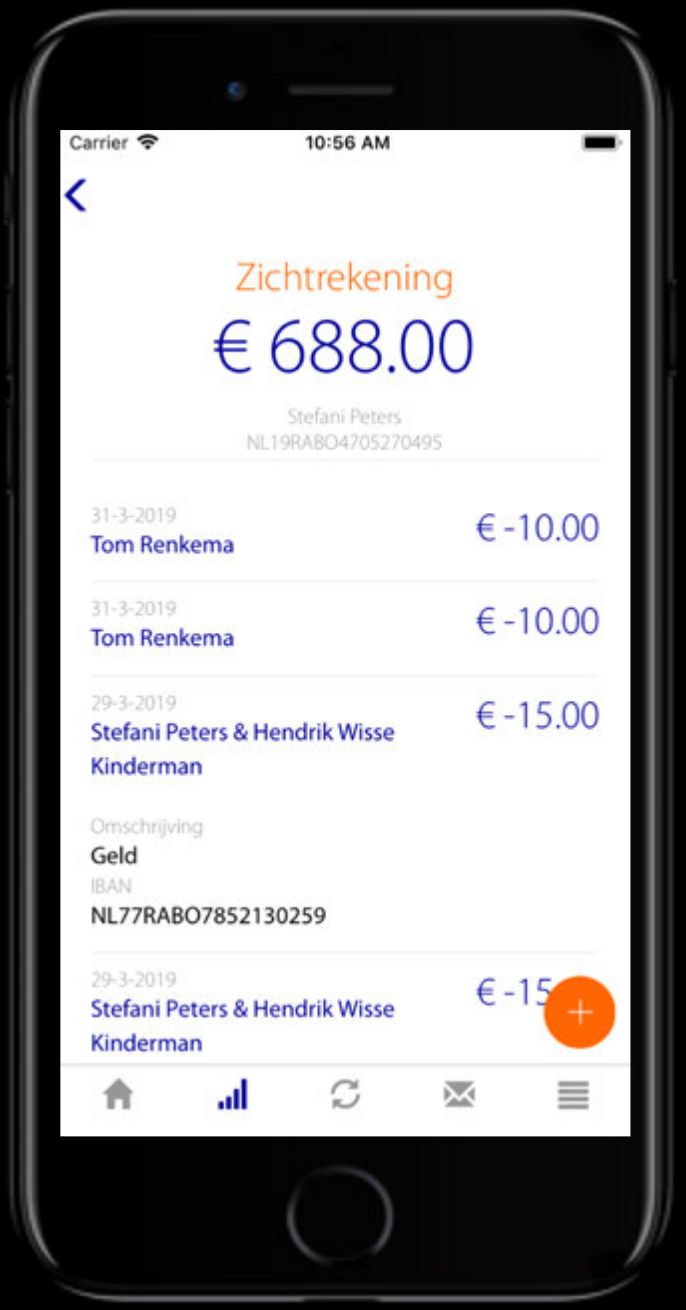
Rabobank IDB mobile banking app



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How? Joint effort

Actual use case

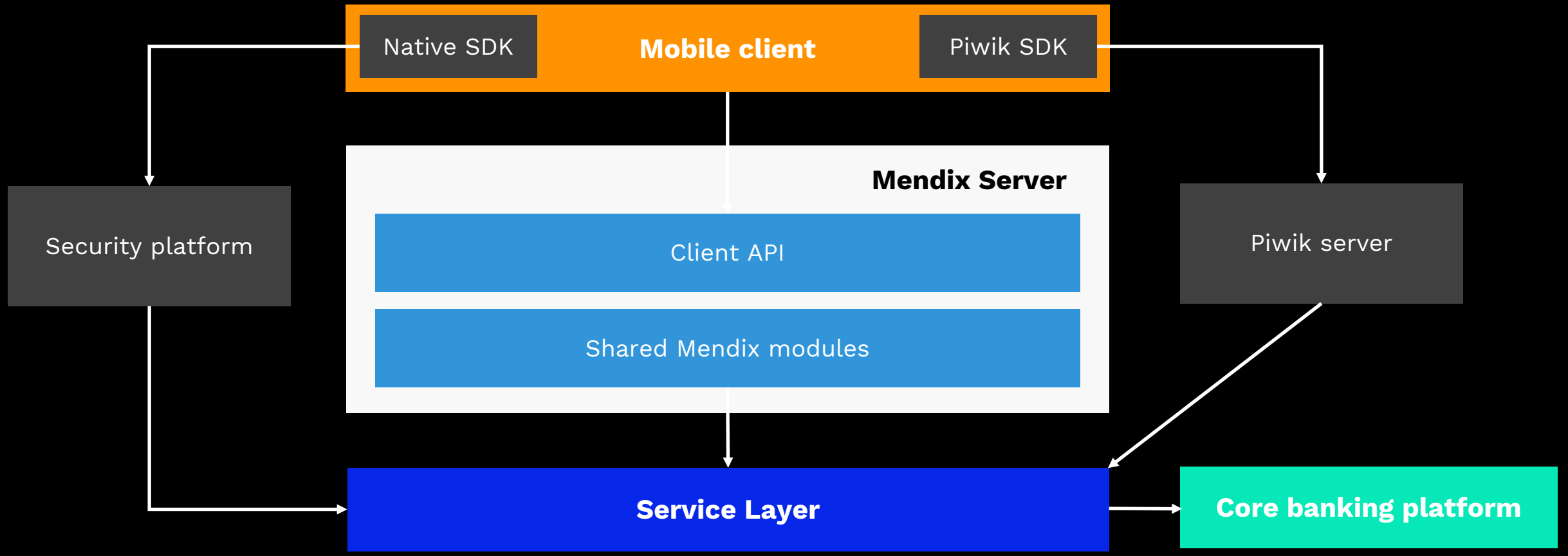
Mendix partner from the start

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

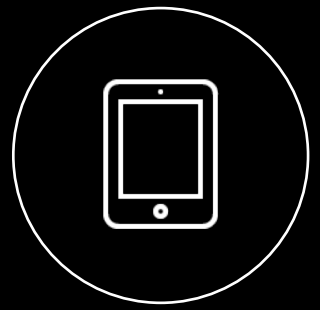
Architecture



Experience

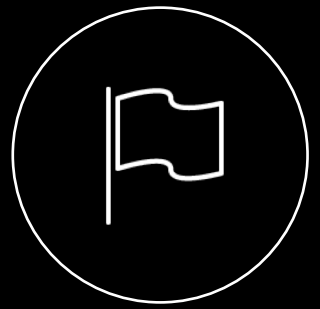
- Enabler for fast native mobile development
- JS actions (editor in MX) are awesome
- Stable releases
- Reusability of desktop components
- Close collaboration is a success

Next steps

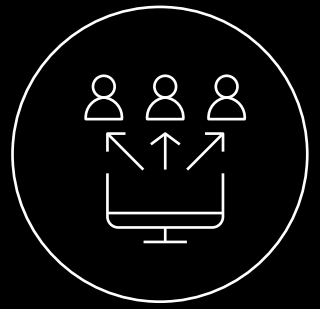


Tablet specific profile & side bar support

Snippets, building blocks & page templates



Multilingual support



Appstore publishing & over the air update

Go make
great apps!
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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