

*“I have a really hard time describing what a progressive web app actually is.”*

—What the heck is a “Progressive Web App”? Seriously.

*“A progressive web app is an enhanced version of a Single Page App (SPA) with a native app feel.”*

—Building Progressive Web Apps

*“Before You Build a PWA You Need a SPA”*

—[hackernoon.com](https://hackernoon.com)

*“I’ve seen too many devs assume PWA is a subset of SPA. We need to improve our messaging”*

—Jake Archibald

*“A Progressive Web App is a regular website following a progressive enhancement strategy to deliver native-like user experiences by using modern Web standards.”*

—What is a PWA

*“The name isn’t for you and worrying about it is distraction from just building things that work better for everyone. ... It’s marketing, just like HTML5 had very little to do with actual HTML.”*

—Naming Progressive Web Apps

**Site is served over HTTPS**

**All app URLs load while offline**

**Metadata provided for Add to Home screen**

**Pages are responsive**

**First load fast even on 3G**

**Site works cross-browser**

**Each page has a URL**

**Page transitions don't block on the network**

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**HTTPS**

**offline**

**Metadata**

**HTTPS**

**offline**

**Metadata**

**HTTPS**

**+ service worker**

**+ web app manifest**

**= progressive web app**

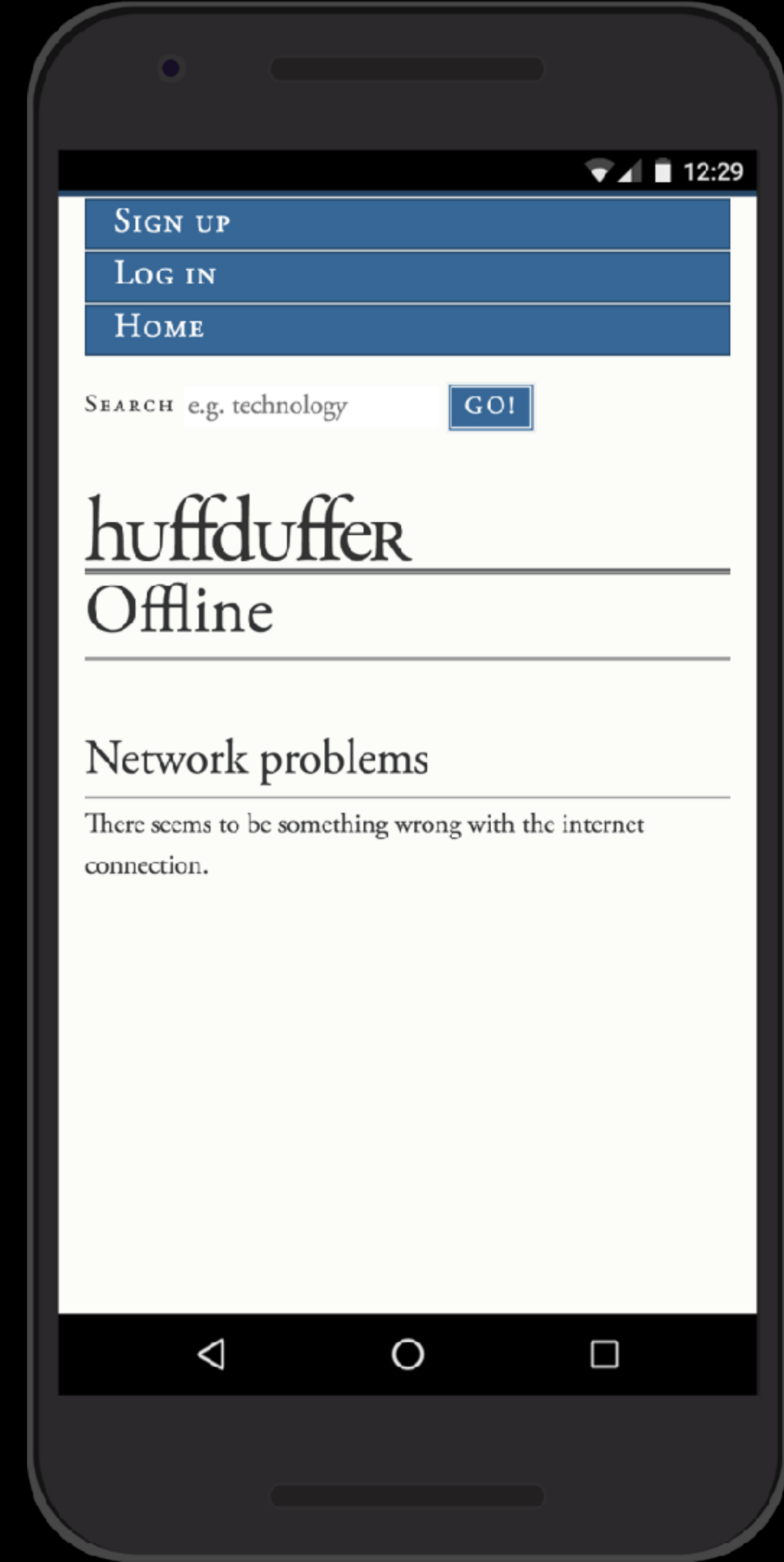
**offline**

**service worker**

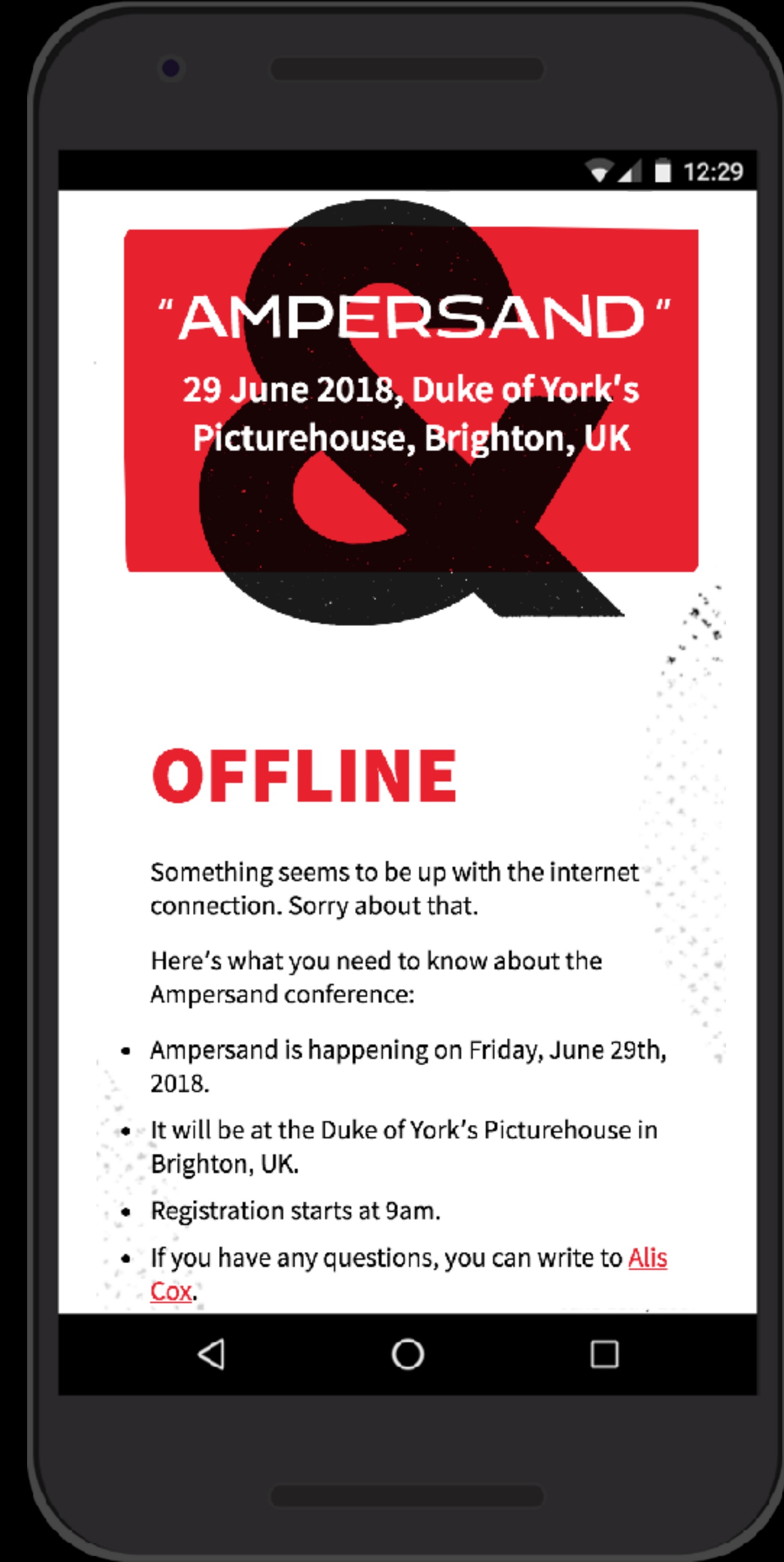
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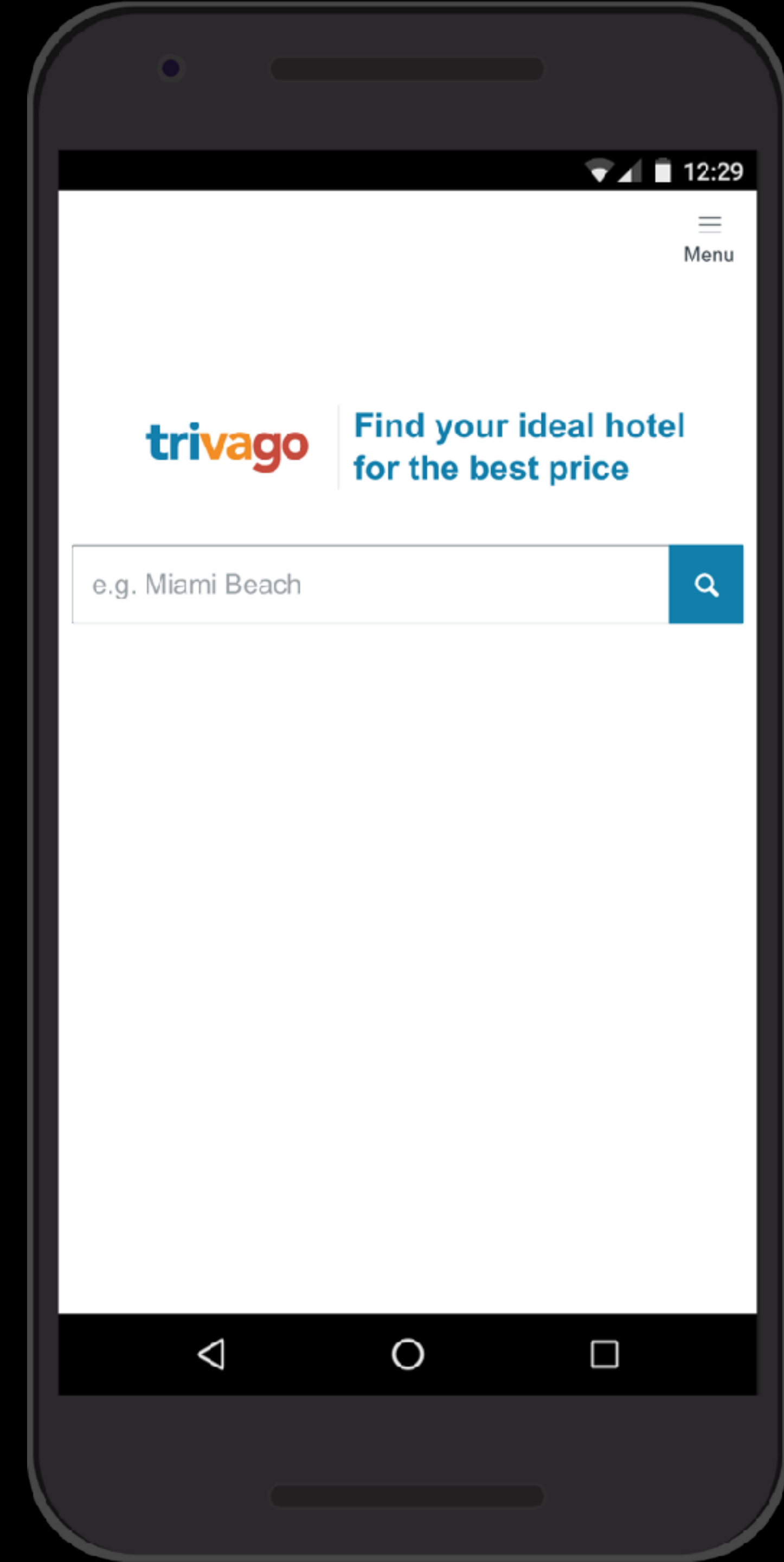
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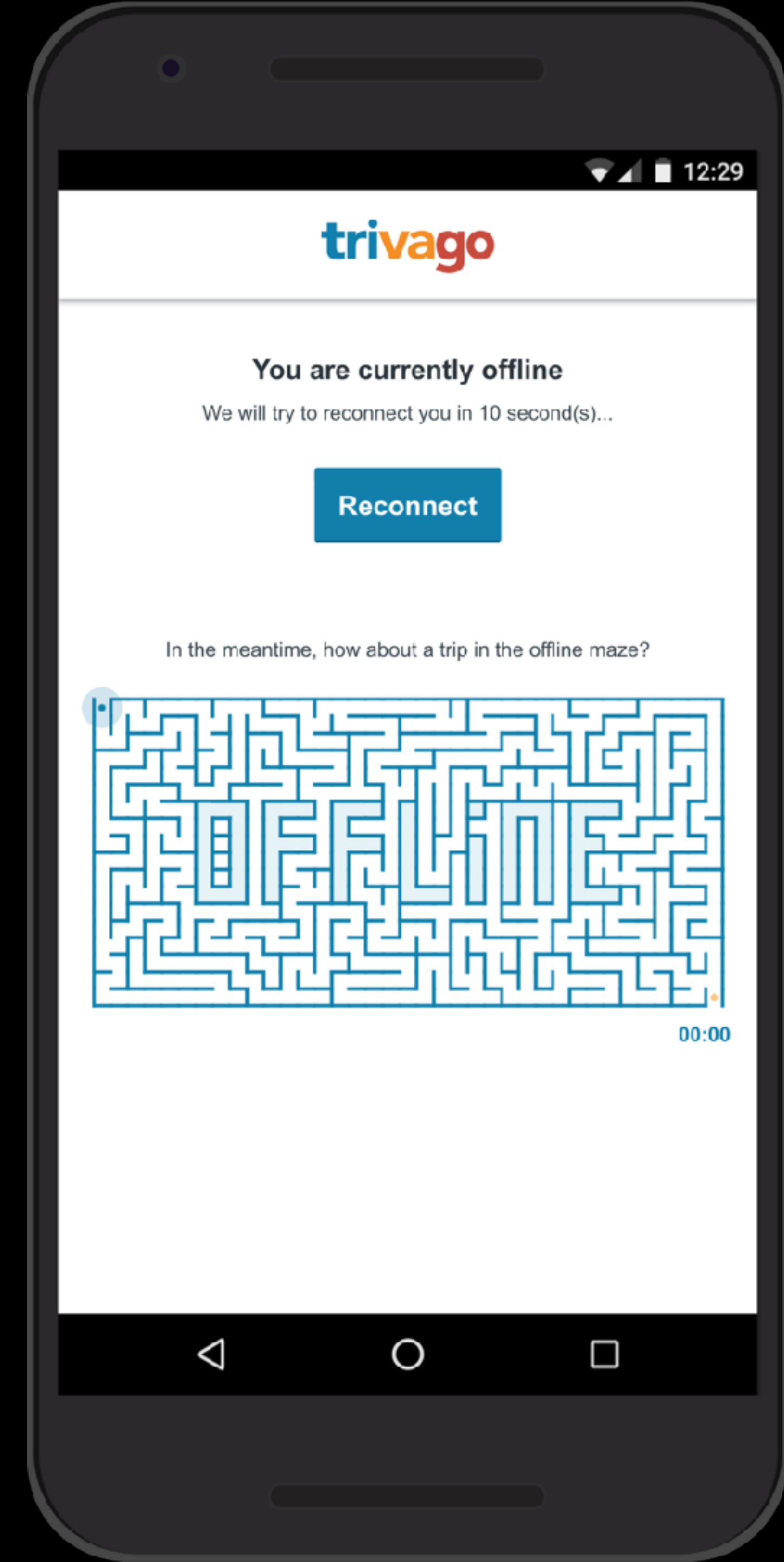
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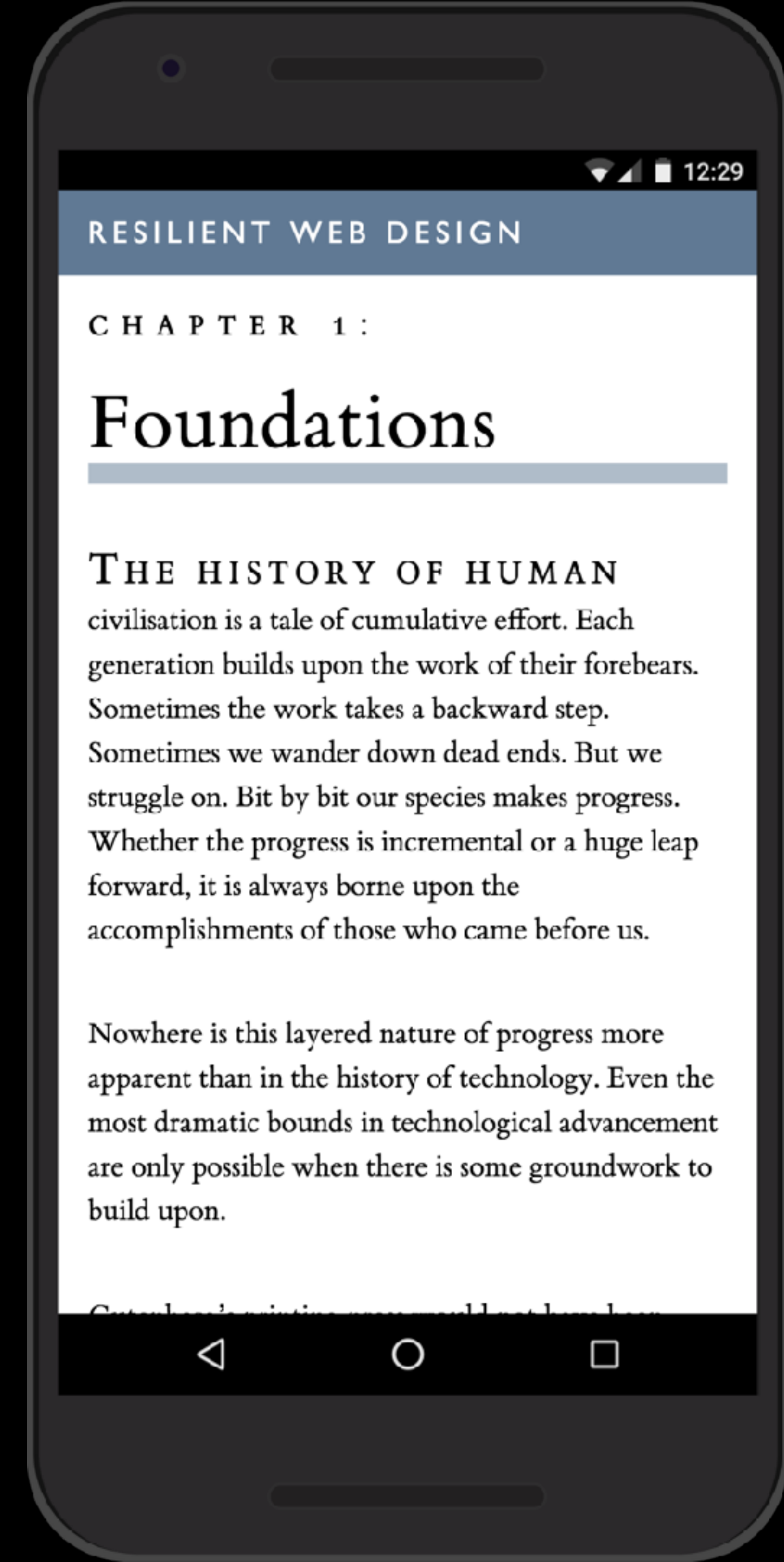


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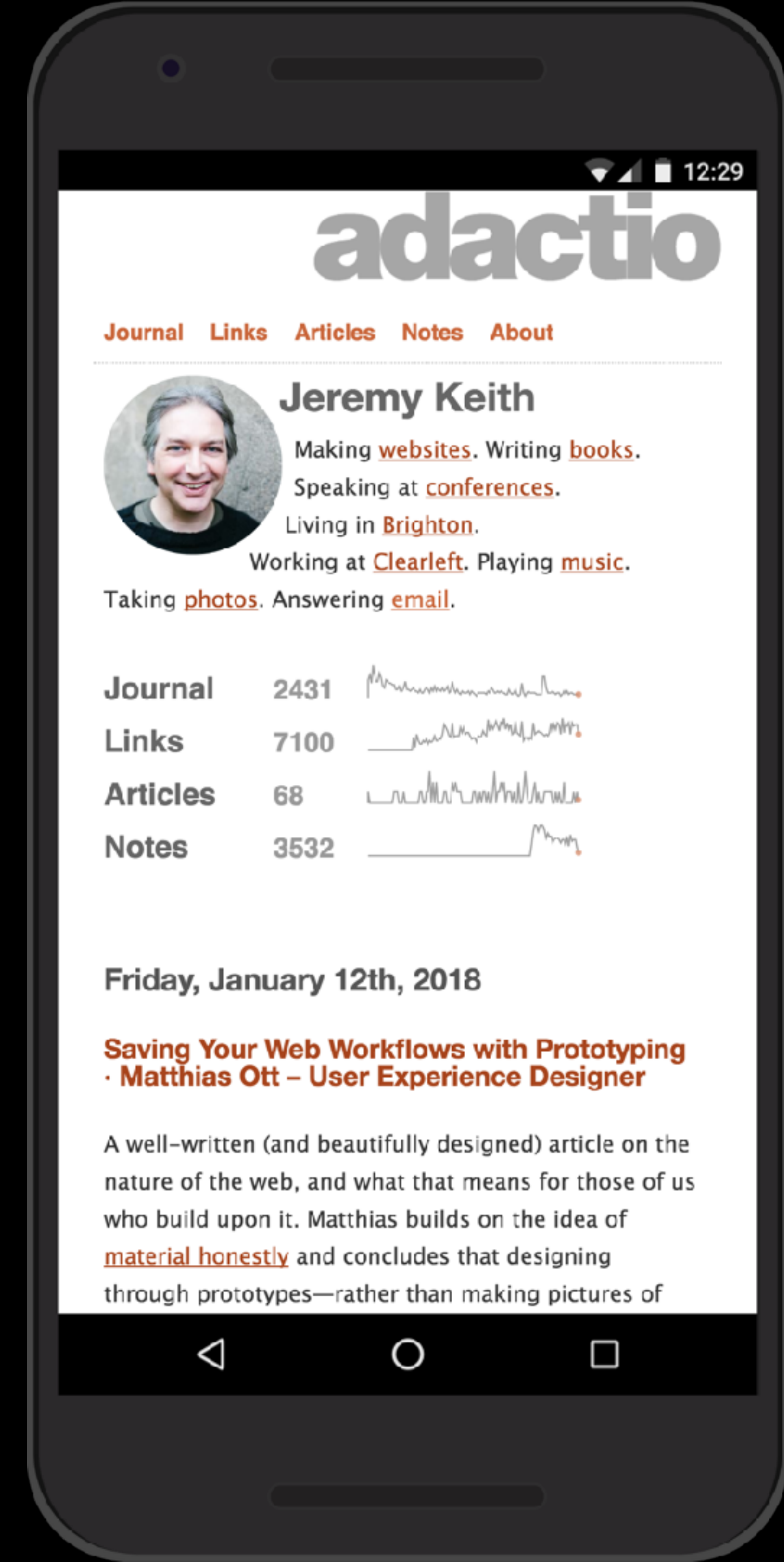




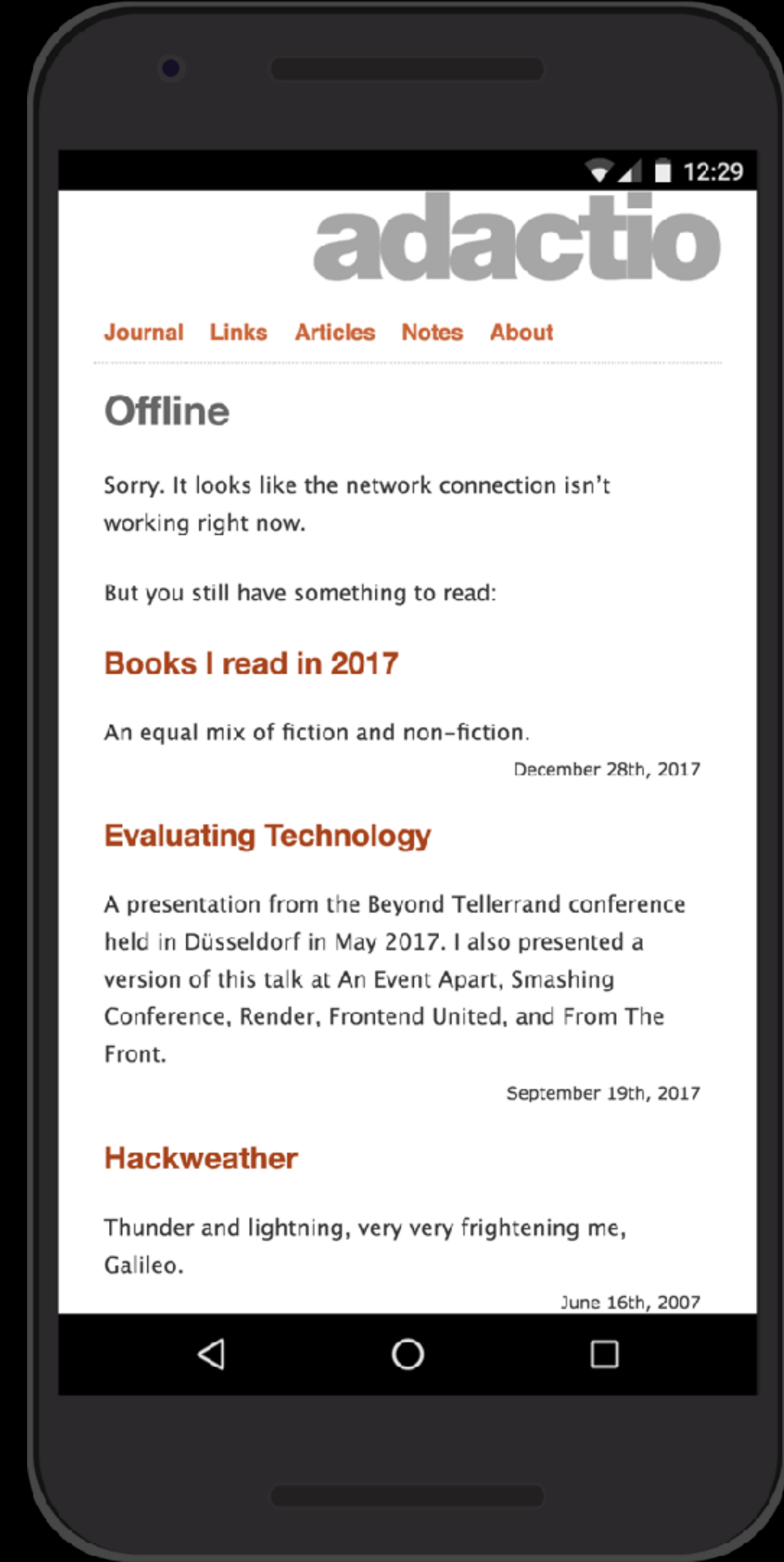
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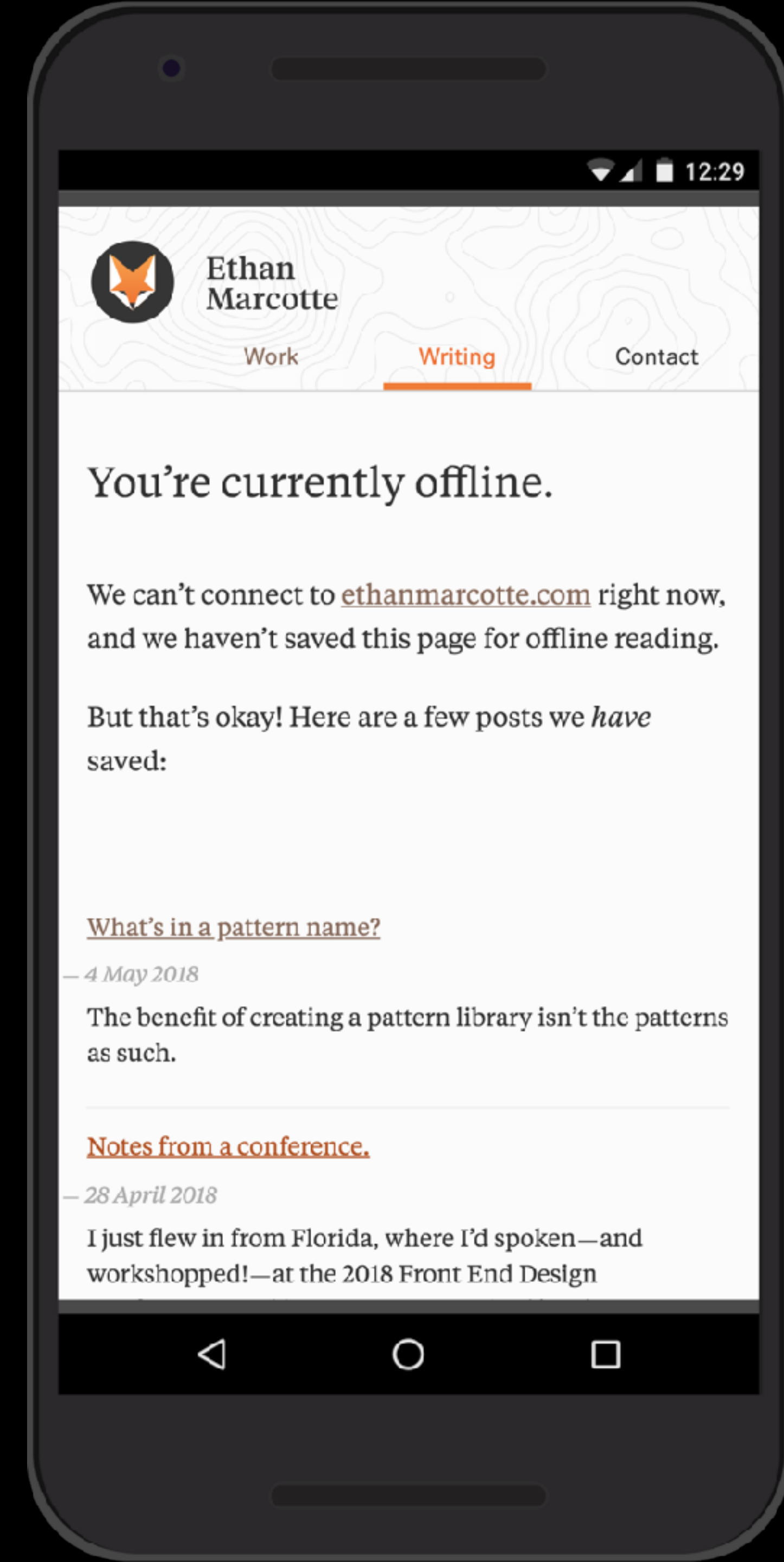
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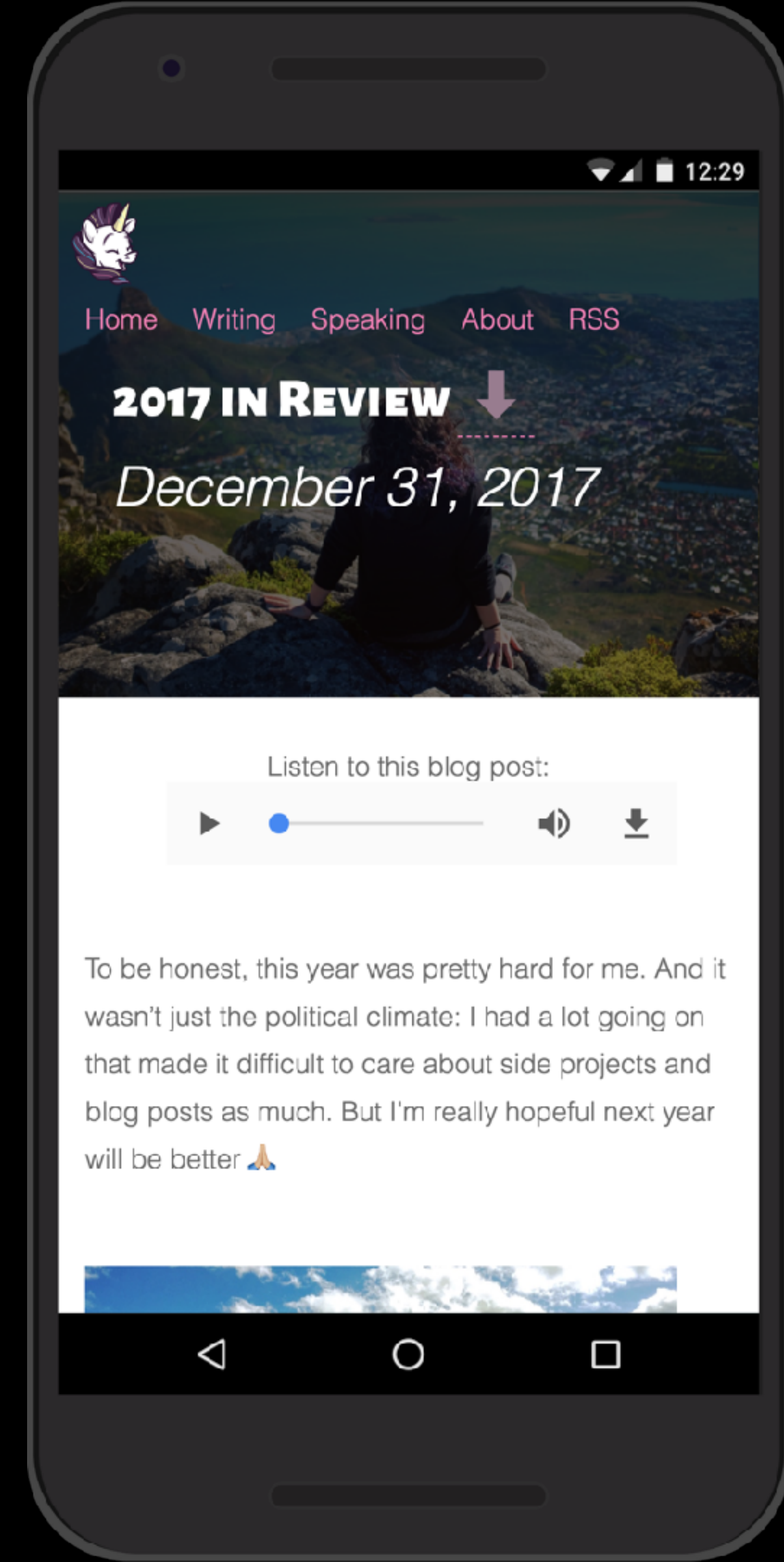


# ethan marcotte.com

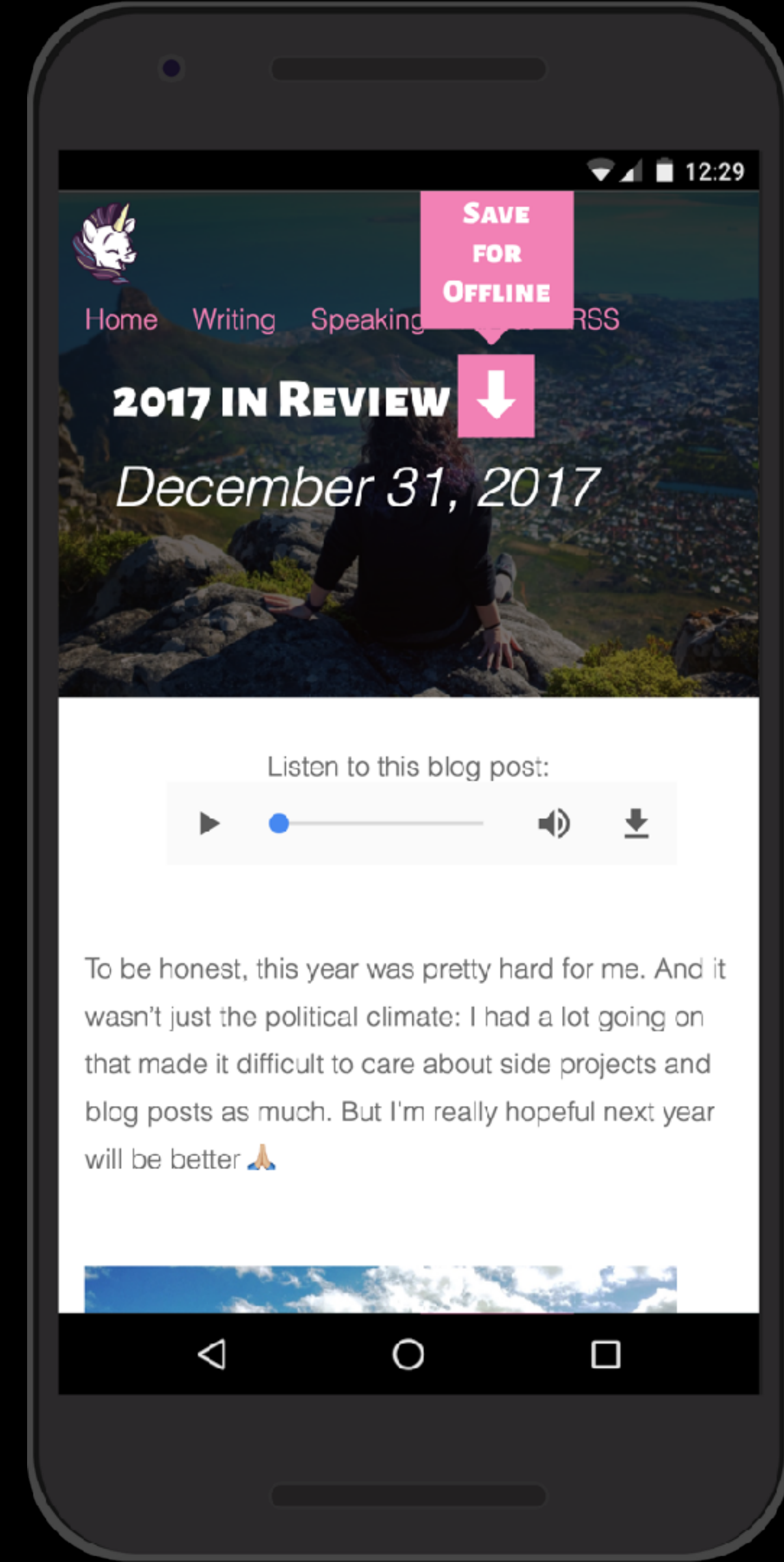




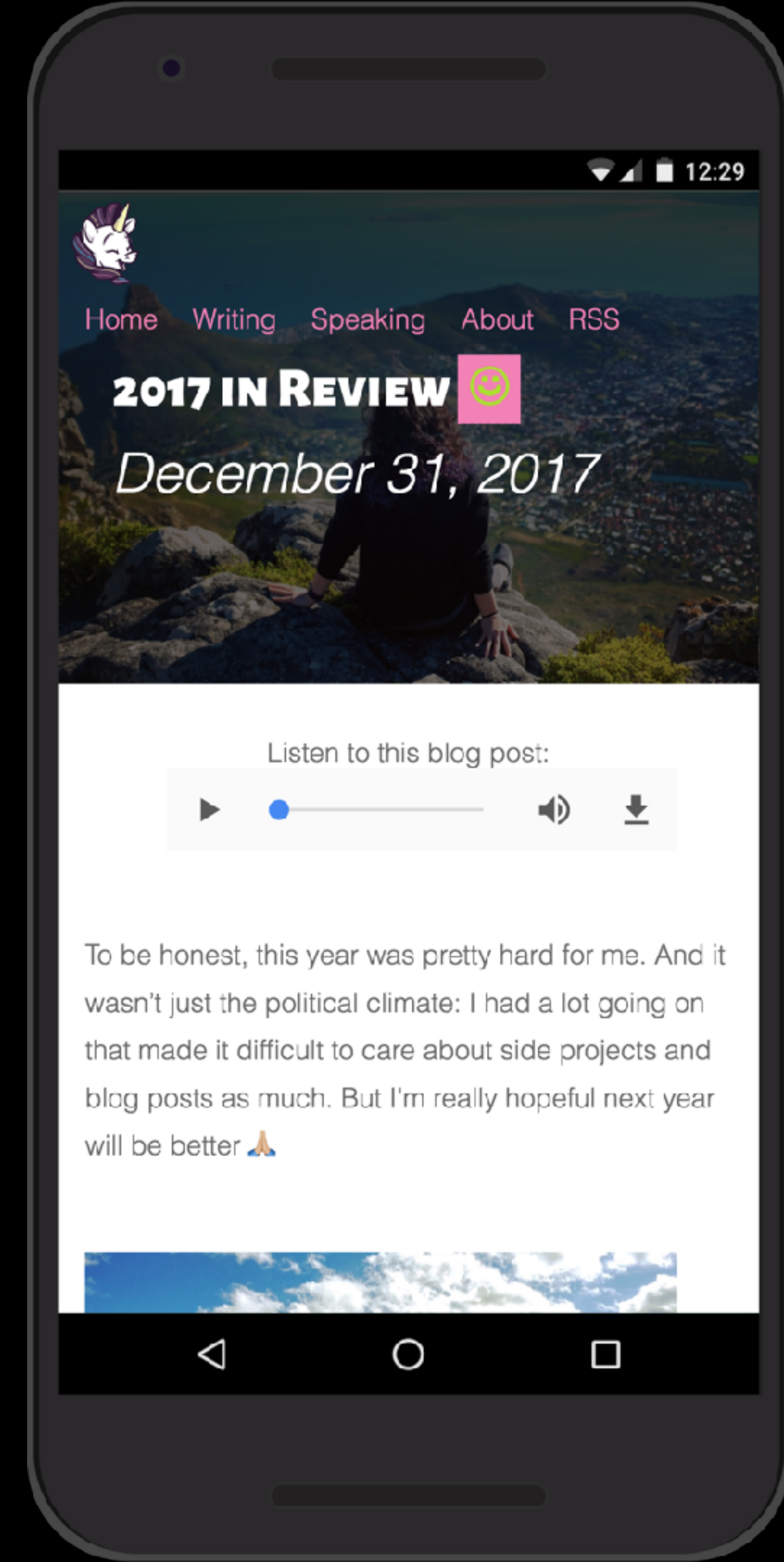
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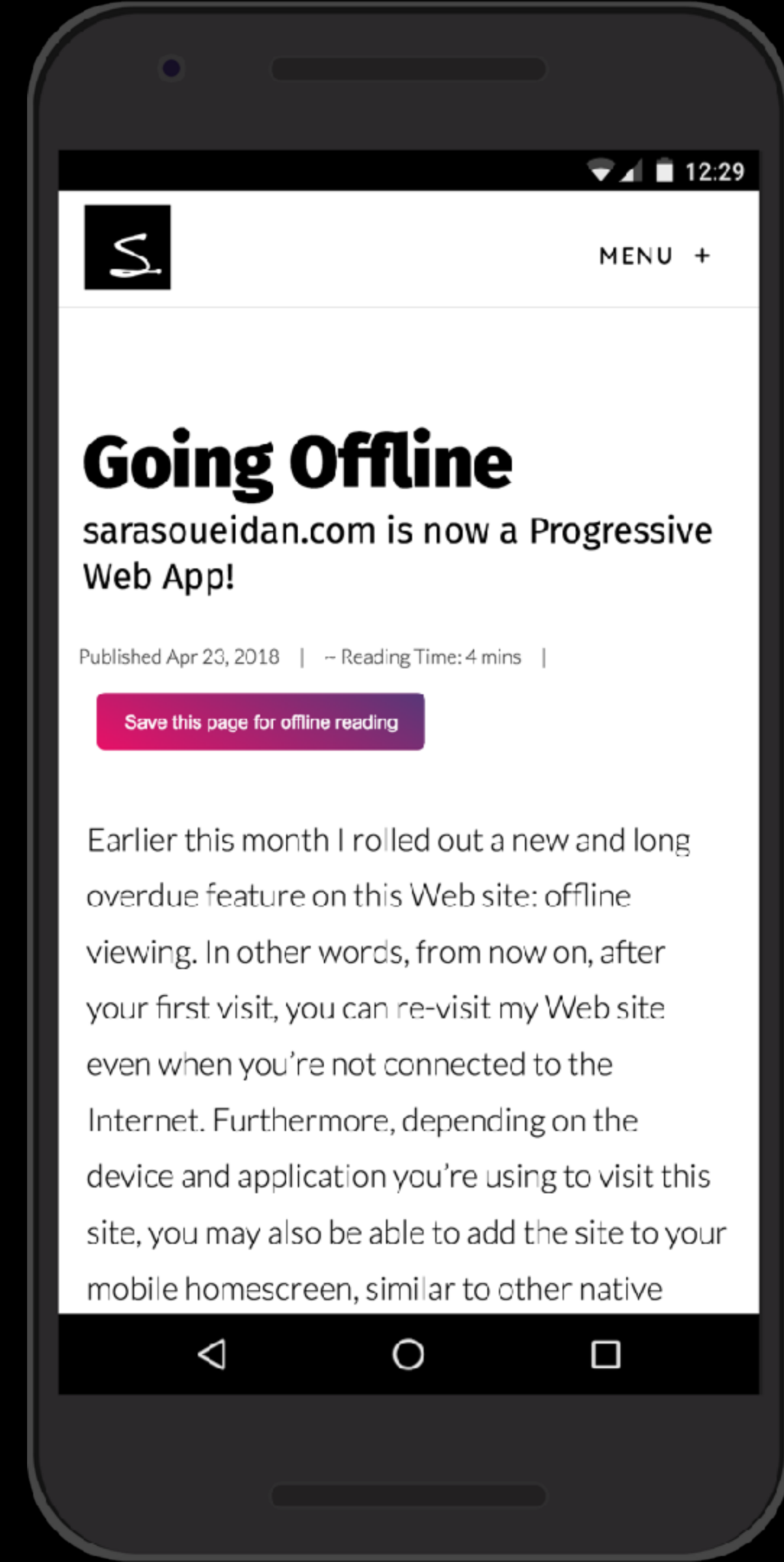


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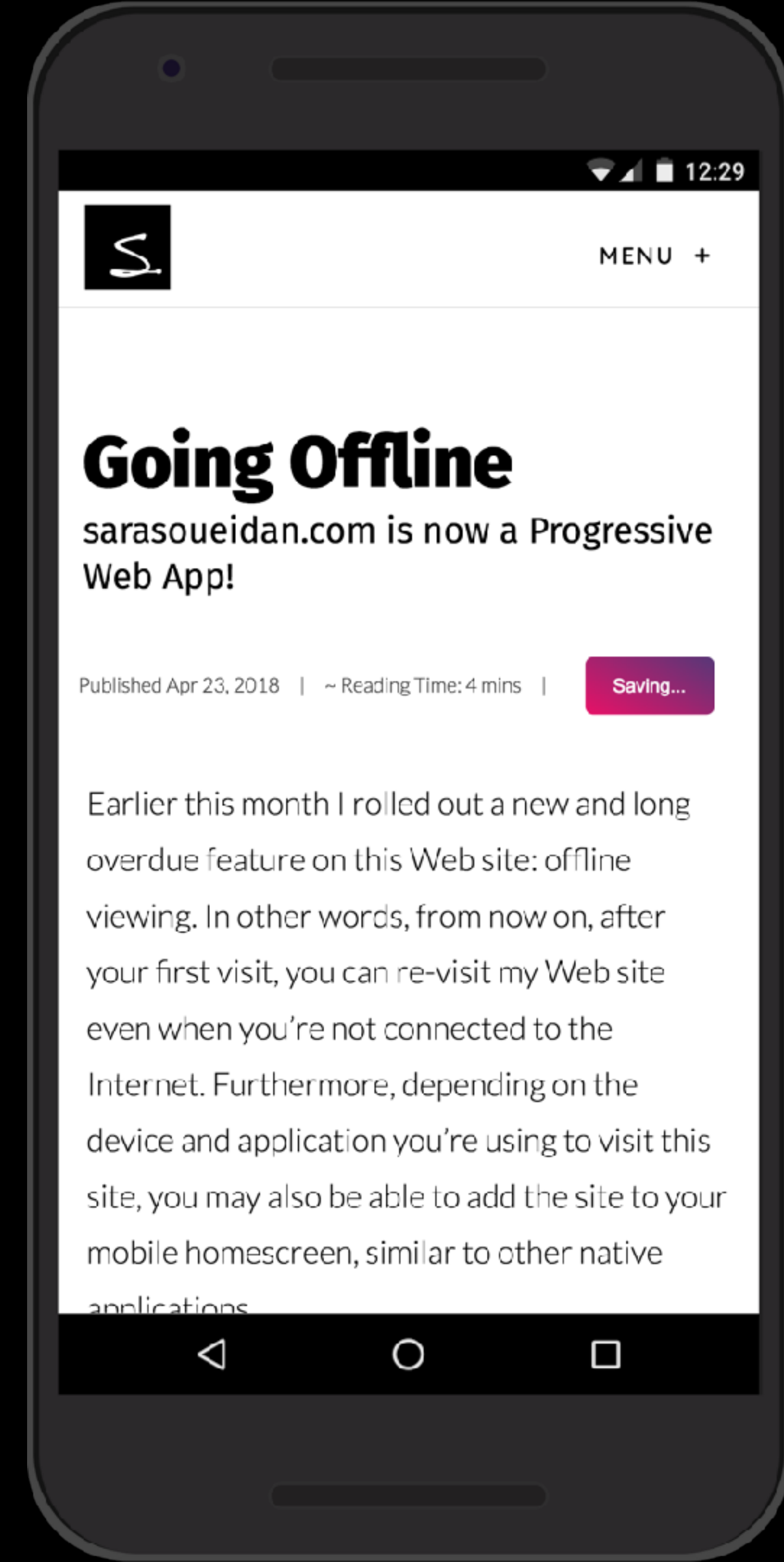


# sara soueidan.com

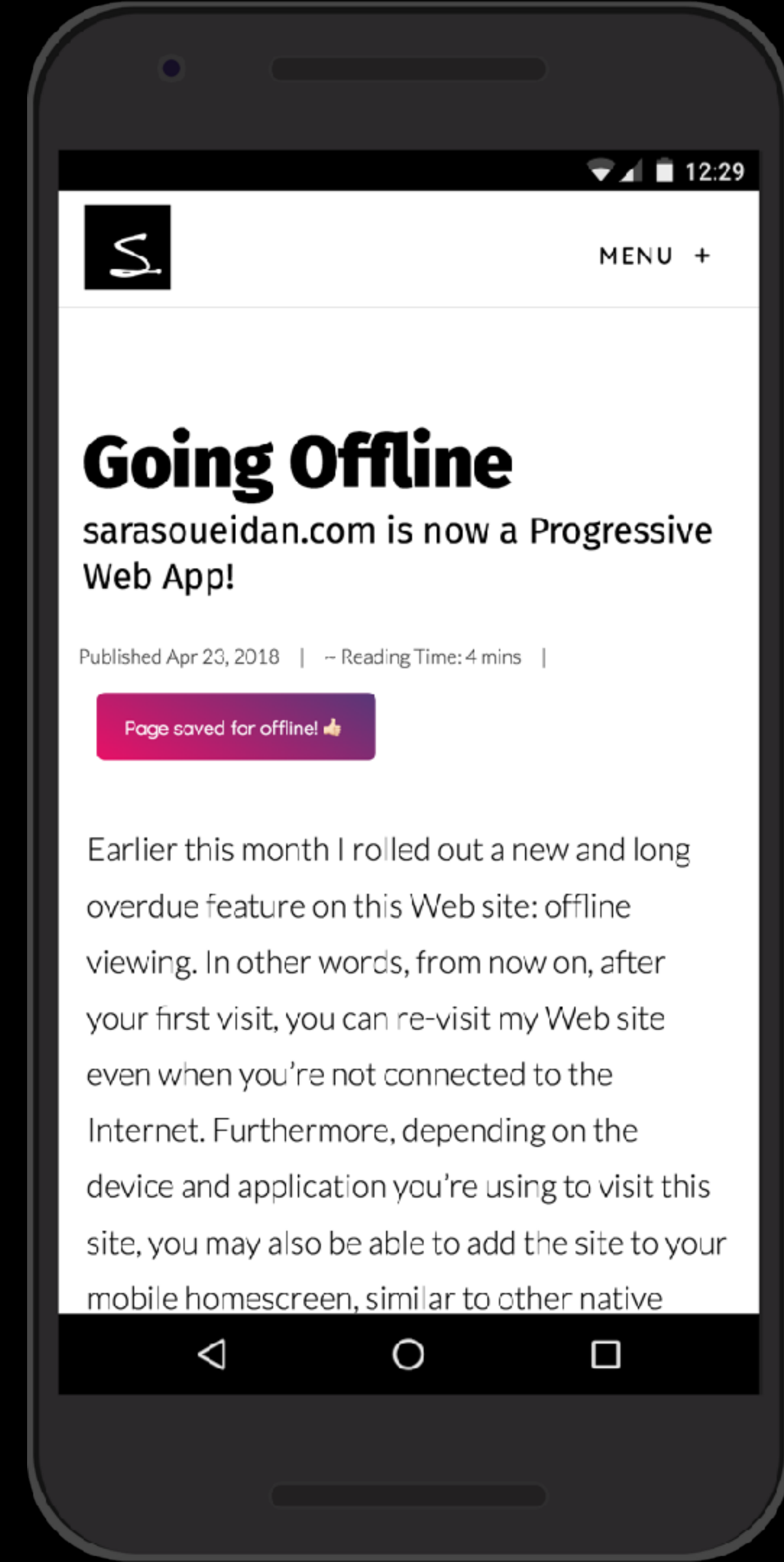




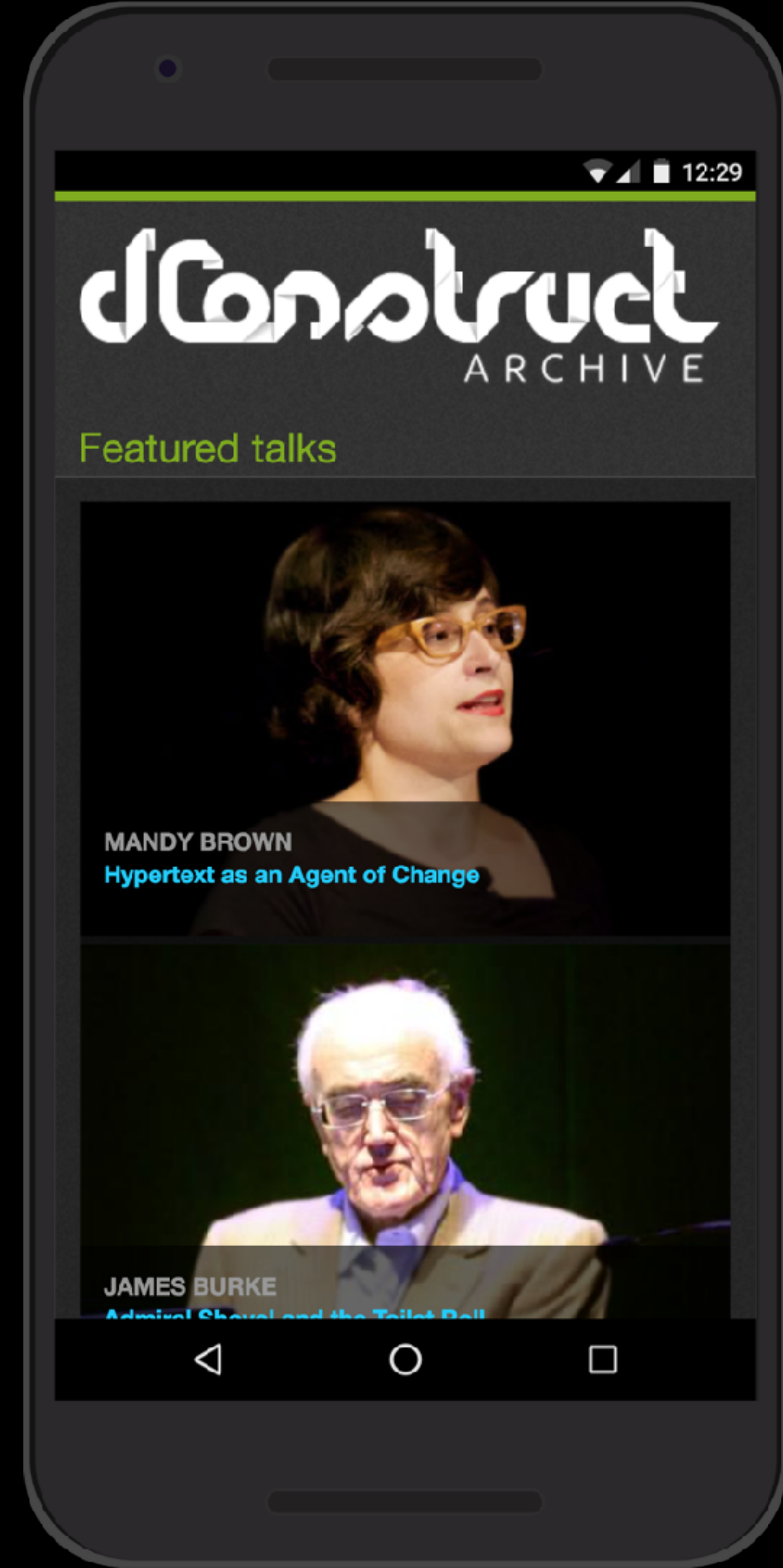
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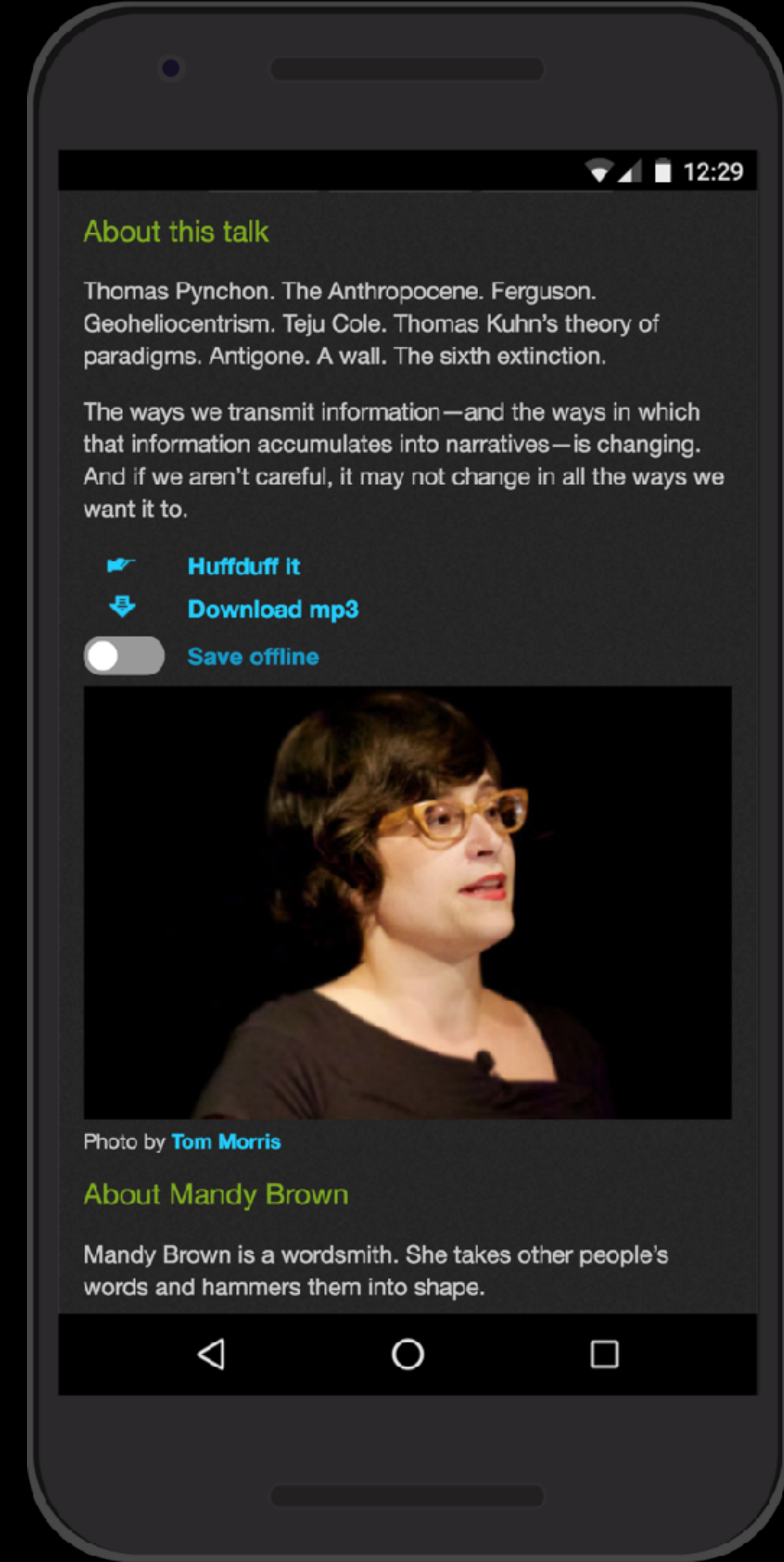
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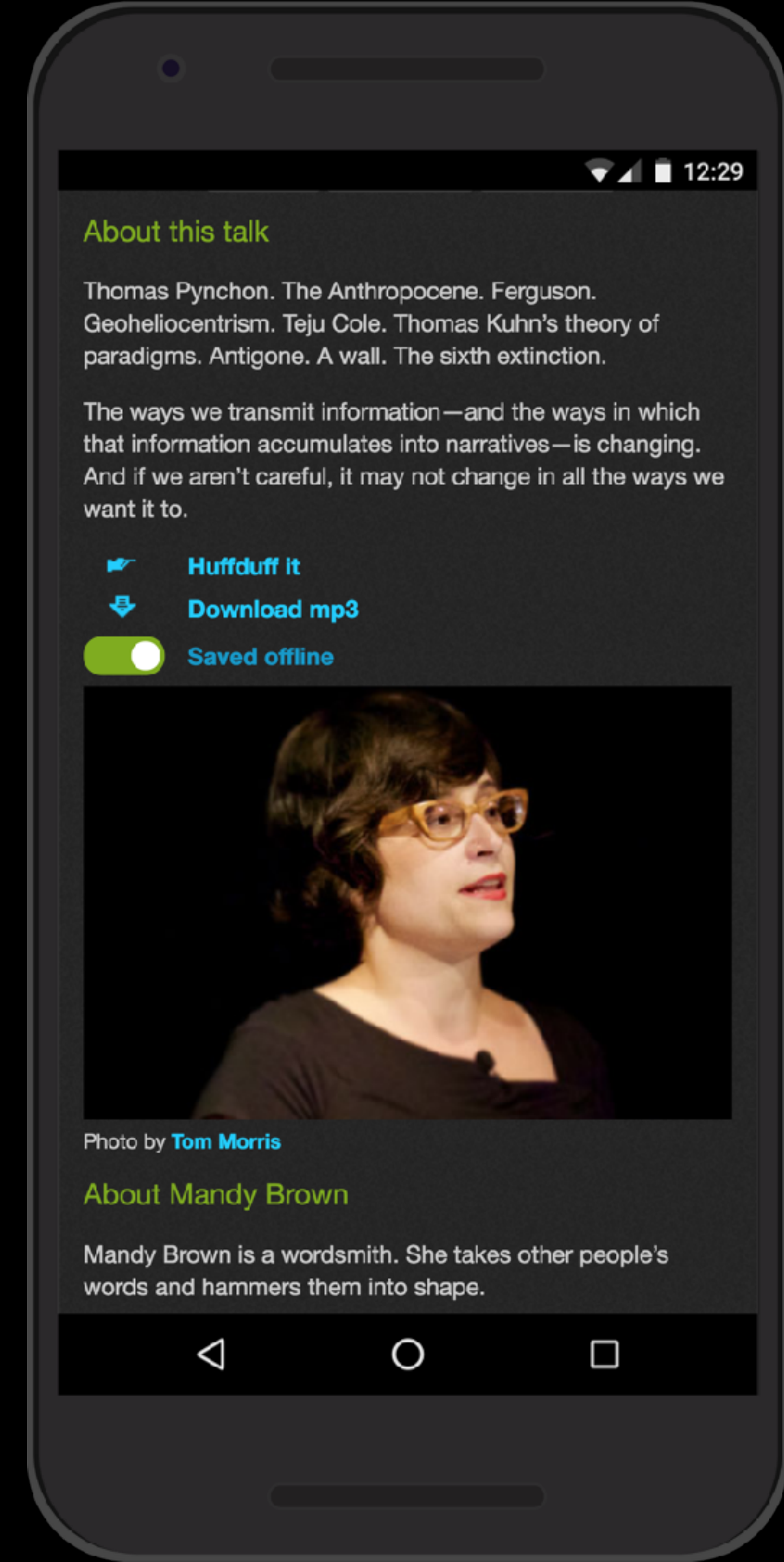


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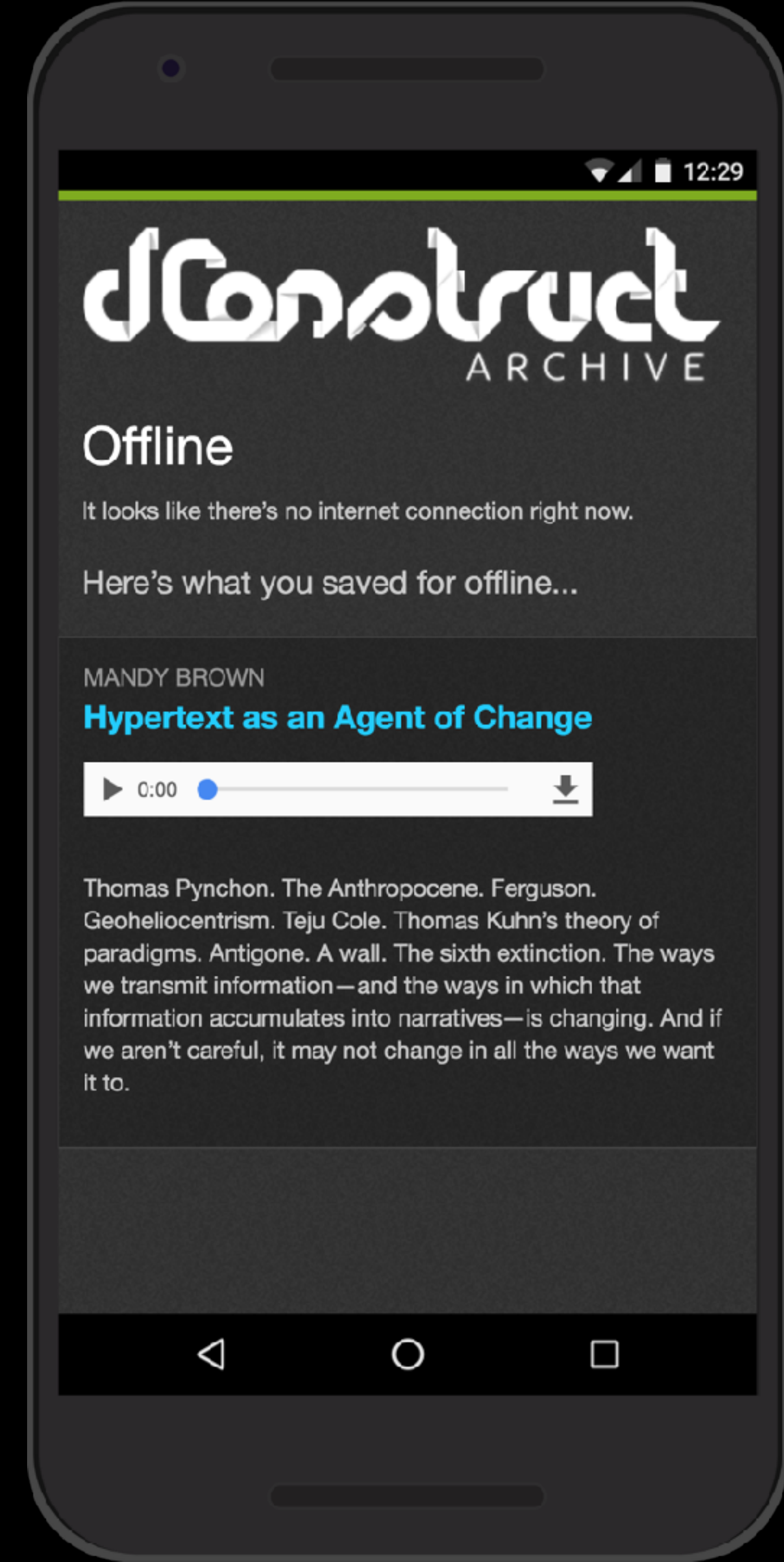




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*“Yes, that web project should be a PWA”*

—A List Apart

 A BOOK APART

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26

Jeremy Keith

# GOING OFFLINE

FOREWORD BY Aaron Gustafson

[abookapart.com](http://abookapart.com)