

Building Apps with AngularJS and Breeze

Part 1

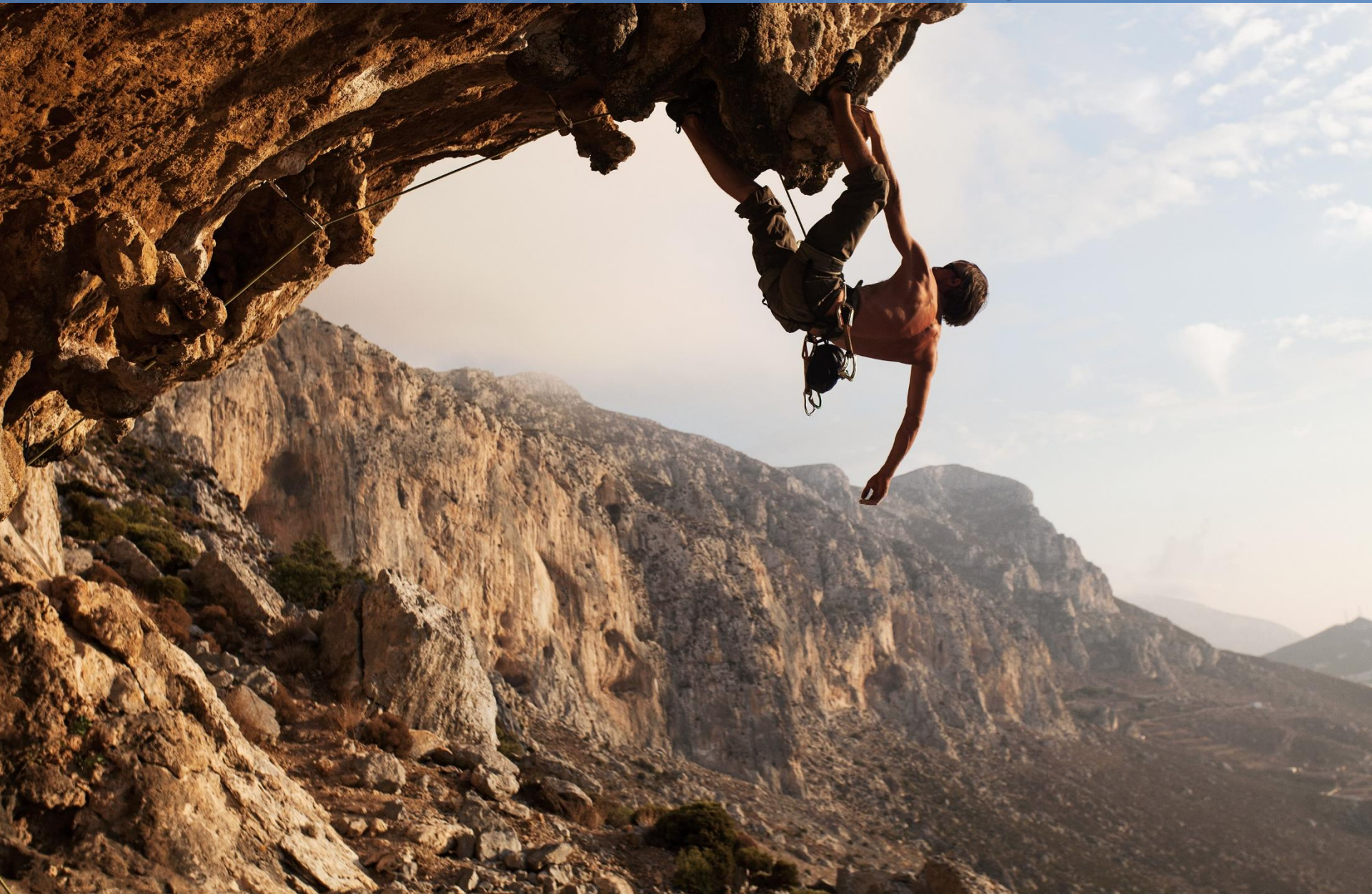
Sharing Local and Remote Data Across Views

John Papa
<http://johnpapa.net>
Twitter: @john_papa



pluralsight 
hardcore developer training

Scaling to Multiple Views





CodeC



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Sessions



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CodeCamper

Created by John Papa

Breeze

ANGULARJS



Dashboard



Sessions



Speakers



Attendees

Refresh

Speakers (37)



Aaron
Skonnard



Brad
Green



Colleen
Papa



Craig
Shoemaker



Dan
Wahlin



Dave
Ward



Elijah
Manor



Eric
Barnard



Aaron
Watson



Abigail
Allen



Abigail
Ramirez



Abigail
Roberts

Scaling Horizontally

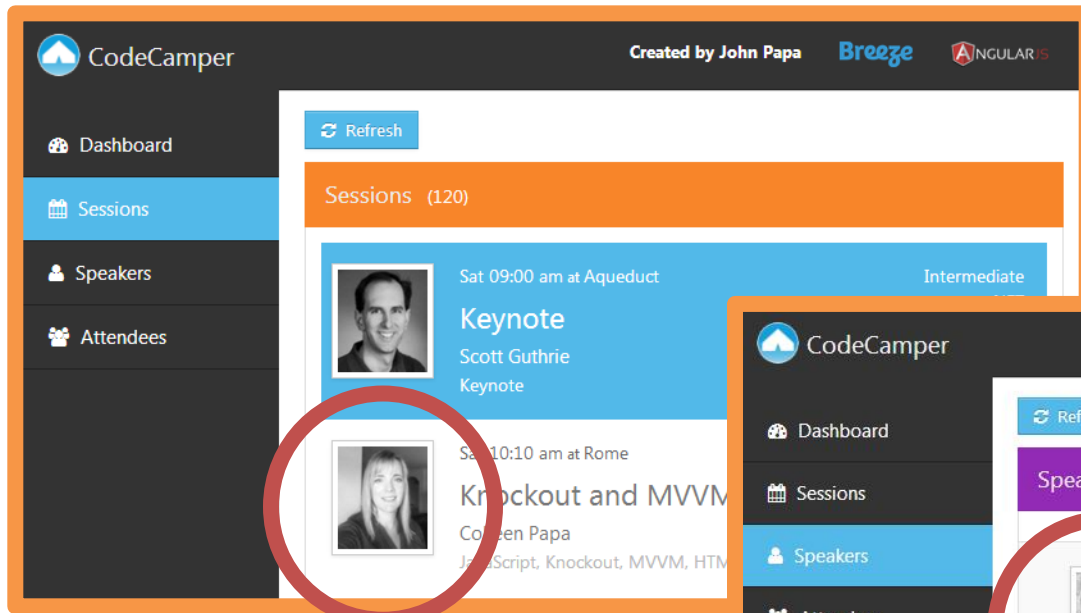
Multiple
Views

Re-Use
Data Calls

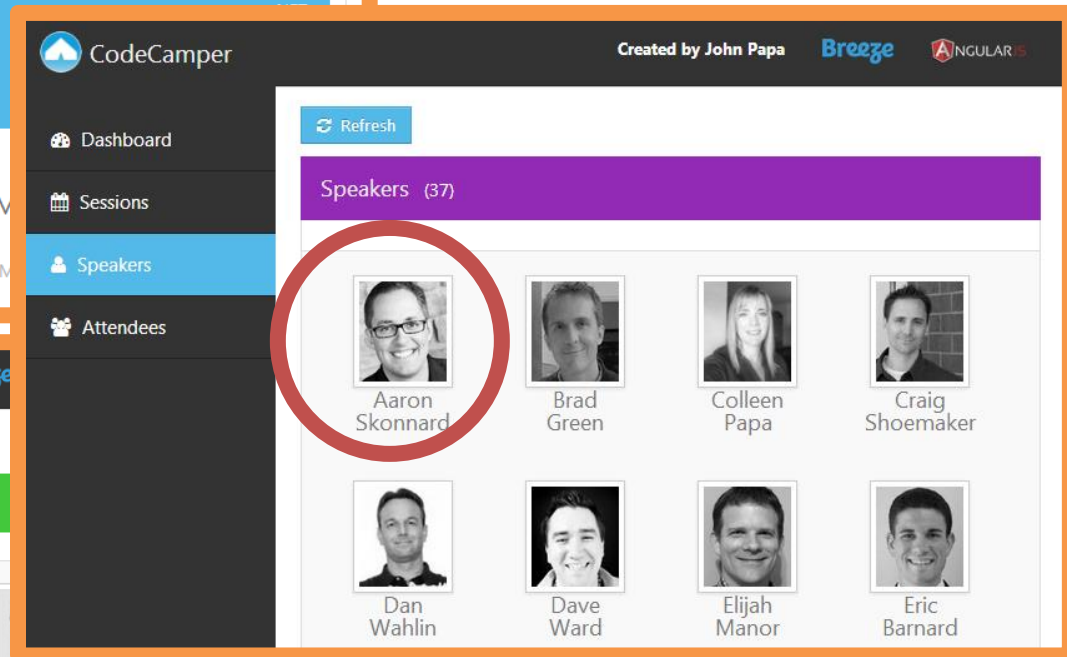
Any
Issues?

Sharing
Data

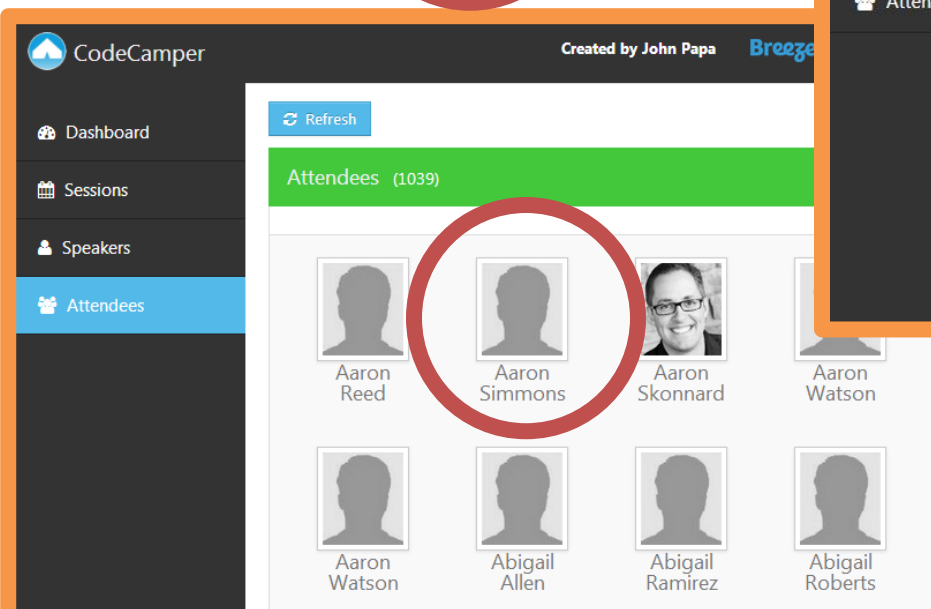
Sharing Data



This screenshot shows the 'Sessions' page of the CodeCamper application. The left sidebar contains links to Dashboard, Sessions, Speakers, and Attendees. The main content area has a 'Refresh' button and a header for 'Sessions (120)'. Below this, a session titled 'Keynote' by Scott Guthrie is shown, scheduled for Saturday at 09:00 am at Aqueduct. Another session, 'Knockout and MVVM' by Colleen Papa, is partially visible below it. A red circle highlights the profile picture of Colleen Papa.



This screenshot shows the 'Speakers' page of the CodeCamper application. The left sidebar is the same as the Sessions page. The main content area has a 'Refresh' button and a header for 'Speakers (37)'. Below this, a grid of speaker profile pictures is displayed. The names of the speakers are listed below their photos: Aaron Skonnard, Brad Green, Colleen Papa, Craig Shoemaker, Dan Wahlin, Dave Ward, Elijah Manor, and Eric Barnard. A red circle highlights the profile picture of Aaron Skonnard.

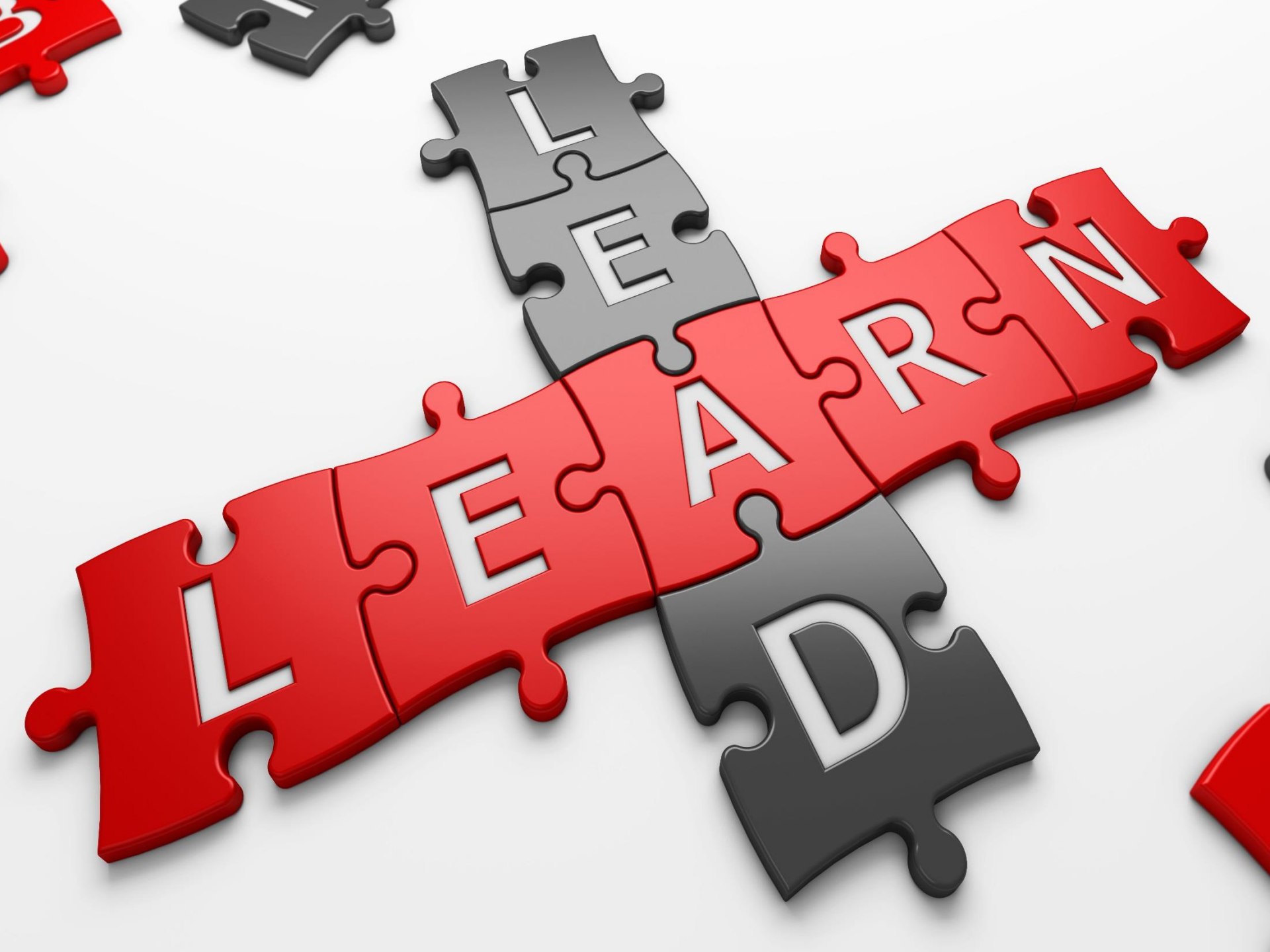


This screenshot shows the 'Attendees' page of the CodeCamper application. The left sidebar contains links to Dashboard, Sessions, Speakers, and Attendees. The main content area has a 'Refresh' button and a header for 'Attendees (1039)'. Below this, a grid of attendee profile pictures is displayed. The names of the attendees are listed below their photos: Aaron Reed, Aaron Simmons, Aaron Skonnard, Aaron Watson, Aaron Watson, Abigail Allen, Abigail Ramirez, and Abigail Roberts. A red circle highlights the profile picture of Aaron Simmons.

Creating More Views

Learn a lot from 1st View

Learn even more from 2nd View



LEARN
LEAD

Extending the Person Model with Breeze

Use this Constructor

```
metadataStore.registerEntityTypeCtor('Person', Person);
```

```
function Person() {  
    this.isSpeaker = false;  
}
```

Extend the Client Model

Filtering Breeze Queries

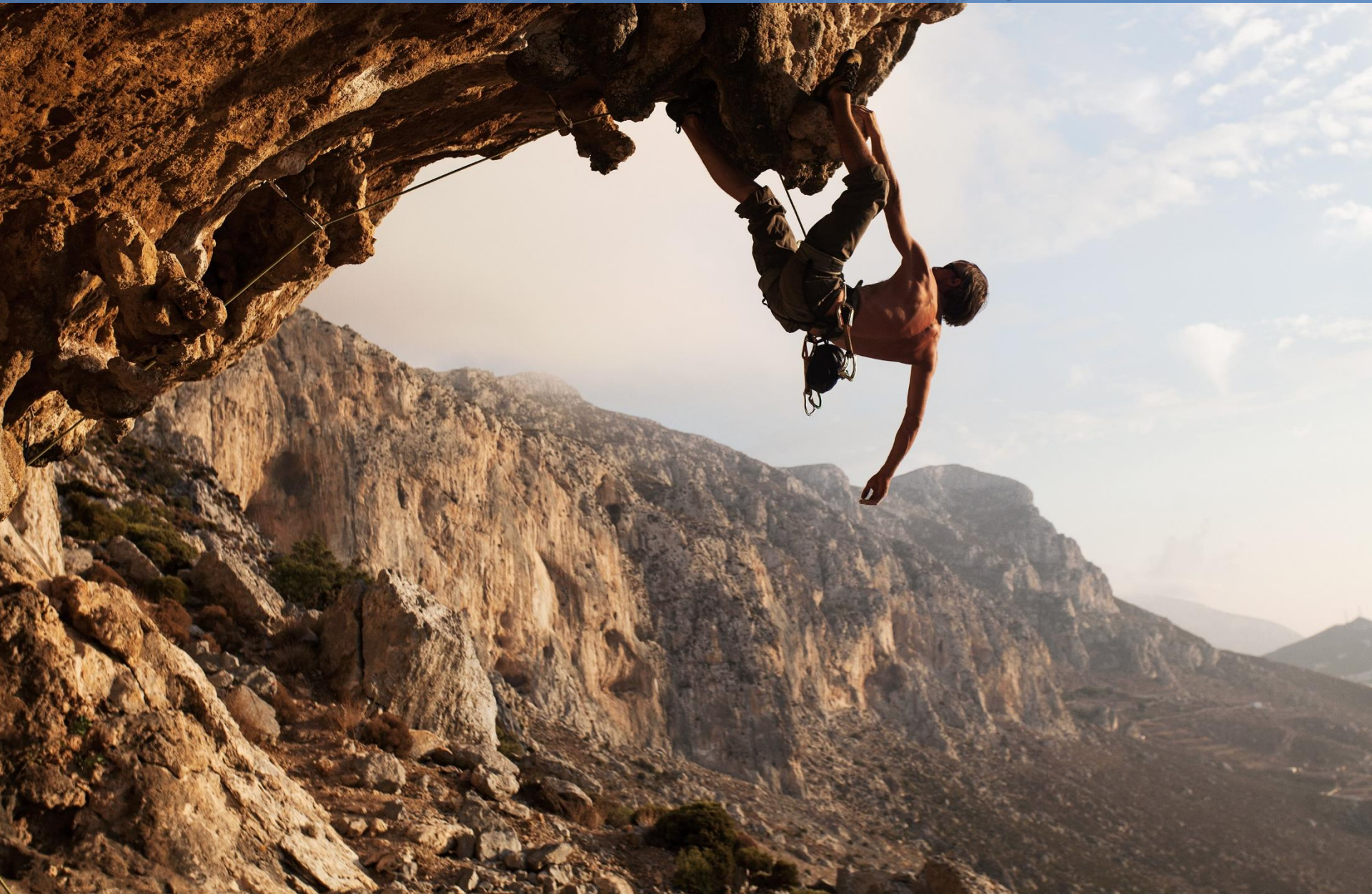
Define the predicate

```
var predicate = breeze.Predicate.create('isSpeaker', '==', true);
```

```
return EntityQuery.from(resource)  
    .orderBy(ordering)  
    .where(predicate)  
    .using(manager)  
    .executeLocally();
```

Use the predicate

Our Structure Scales



We Have the Data



Why Not Share It?



Sharing the Data Leads to Improved UX

