

Designing Realtime Web Apps

Katie Pohlman & Tim Mecklem



Do today's web apps support real-time decisions better than the technologies they replaced?

**But we're just catching up to the
capability of our tools**

THE TAKEAWAY

**Realtime user experiences require
end-to-end solutions.**

How did we get here?

PROBLEM:

Scarce Resources

Example - low inventory on a commerce page



Example - low inventory on a commerce page

What are the problems here?

One potential solution

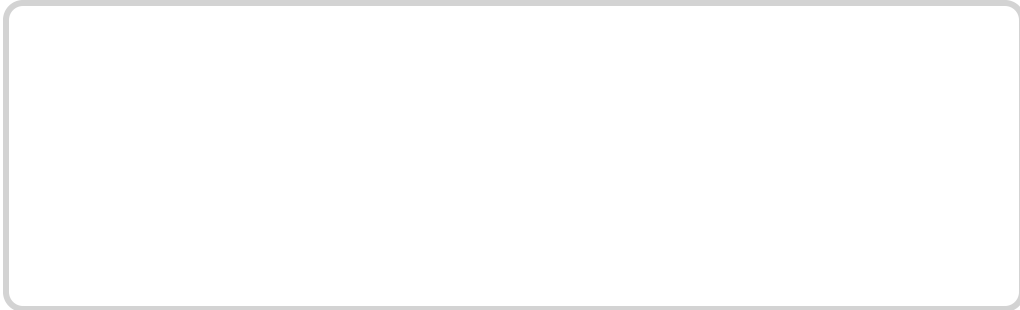
WHY IS THIS BETTER?

Exposes the state of things to the user

PROBLEM:

Rapid influx of data

Example -

A large, empty rectangular box with a thin gray border and rounded corners, intended for a diagram or content.A large, empty rectangular box with a thin gray border and rounded corners, intended for a diagram or content.

What are the problems here?

One potential solution

WHY IS THIS BETTER?

Considers the intent of the data

Tie all together with the backend stuff

SOMETHING TO KEEP IN MIND

Disconnections and partial realtime

Quick setup — if you've done this kind of thing before



Set up in Desktop

or

HTTPS

SSH

git@github.com:tmecklem/my-game-changing-new-project.git



Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# my-game-changing-new-project" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin git@github.com:tmecklem/my-game-changing-new-project.git
git push -u origin main
```



...or push an existing repository from the command line

```
git remote add origin git@github.com:tmecklem/my-game-changing-new-project.git
git branch -M main
git push -u origin main
```



...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

Questions?

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