

CONNECTION REVOLUTION

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#iccgts12



TIMES ARE CHANGING

Responsive Design



ANY TIME, ANYWHERE, ANY DEVICE

- Tim Berners-Lee (**original intent behind WWW**)

Image shamelessly stolen from Computer World Magazine (May, 2012)

EDUCATION

TUTORIAL PLAYER

- One example (there are alternatives)



- Demonstration (learning)
 - Photoshop running on laptop
 - Tutorial Player running on tablet
 - Seamless communication between devices

IDEATION

IDEATION

- Three examples

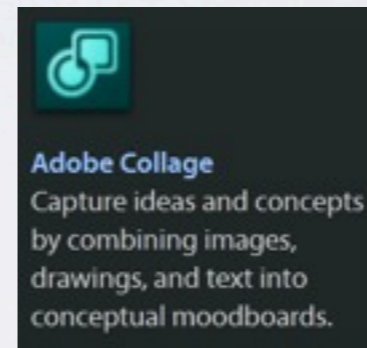
- Kuler

- Collage

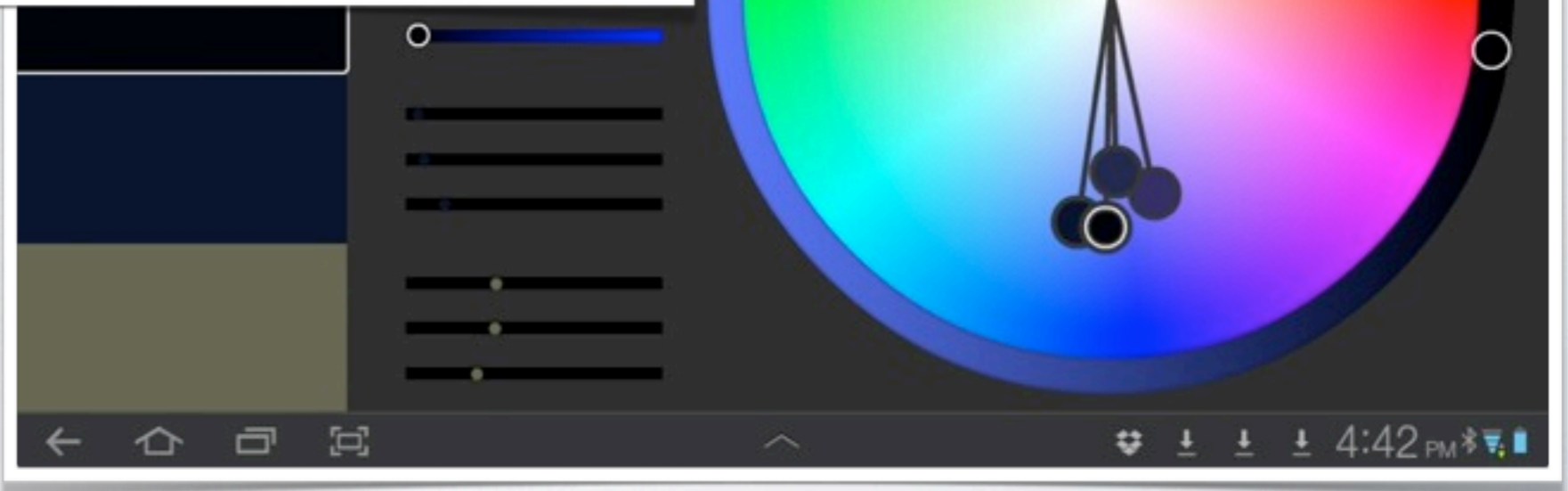
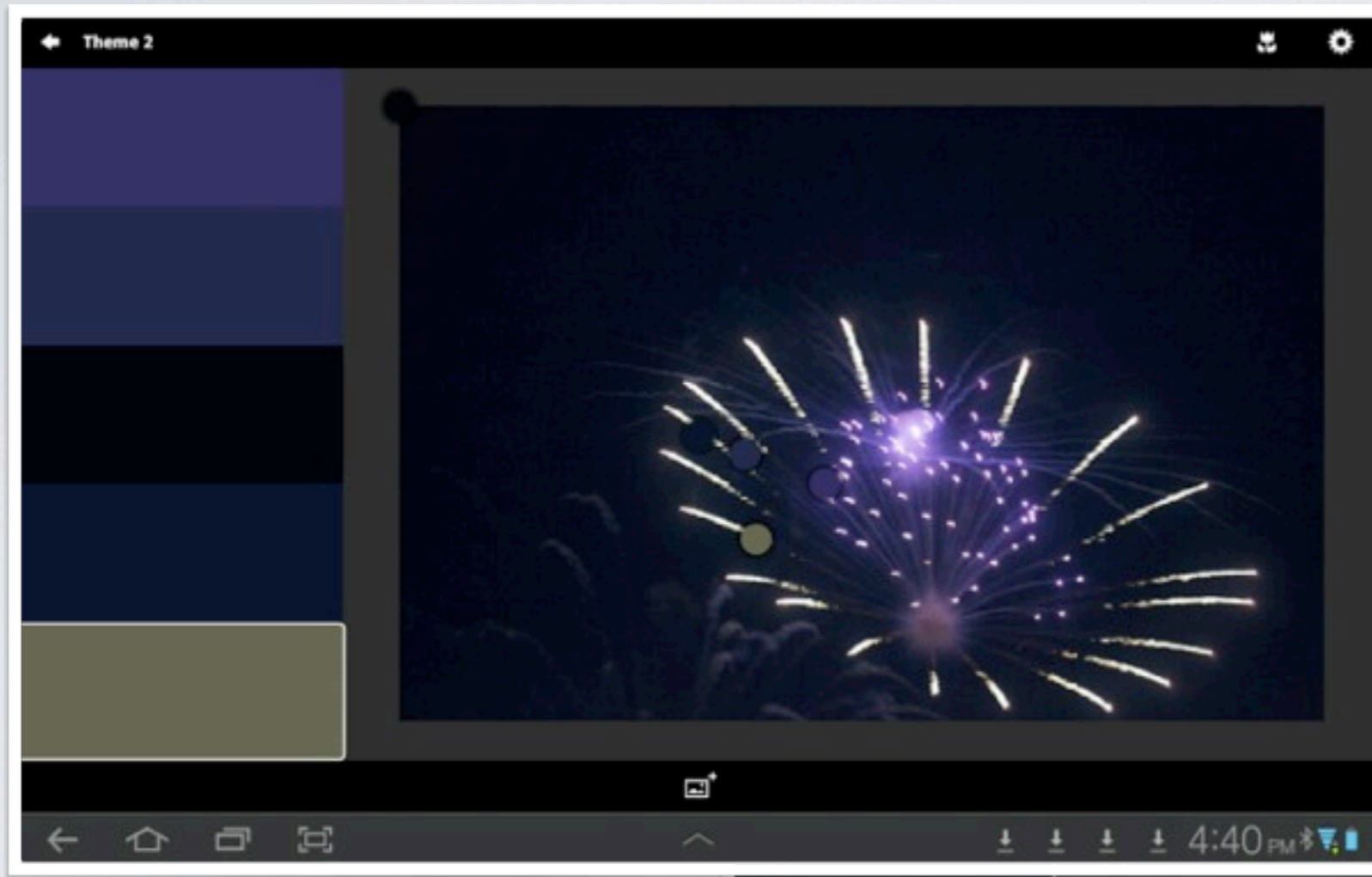
- Proto

- Demonstrations (ideation)

- Tablet apps (Android and iPad)



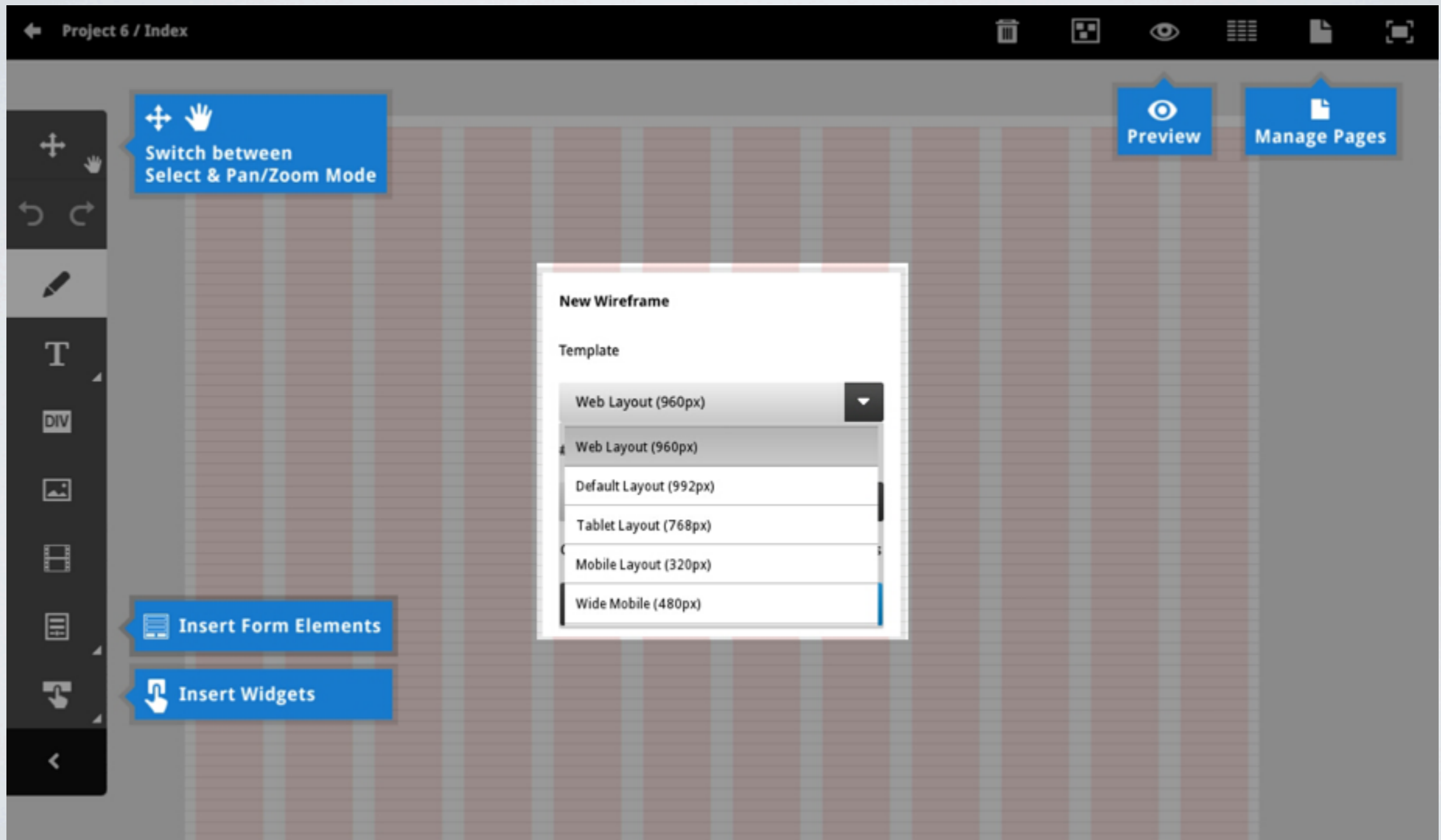
KULER DEMO



COLLAGE DEMO



PROTO DEMO



CONNECTION REVOLUTION

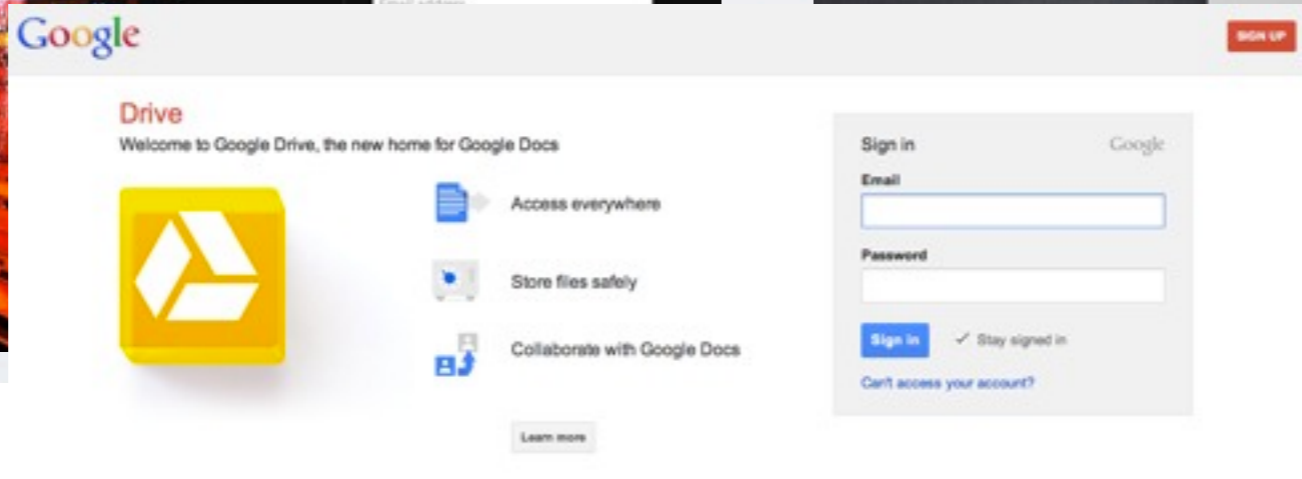
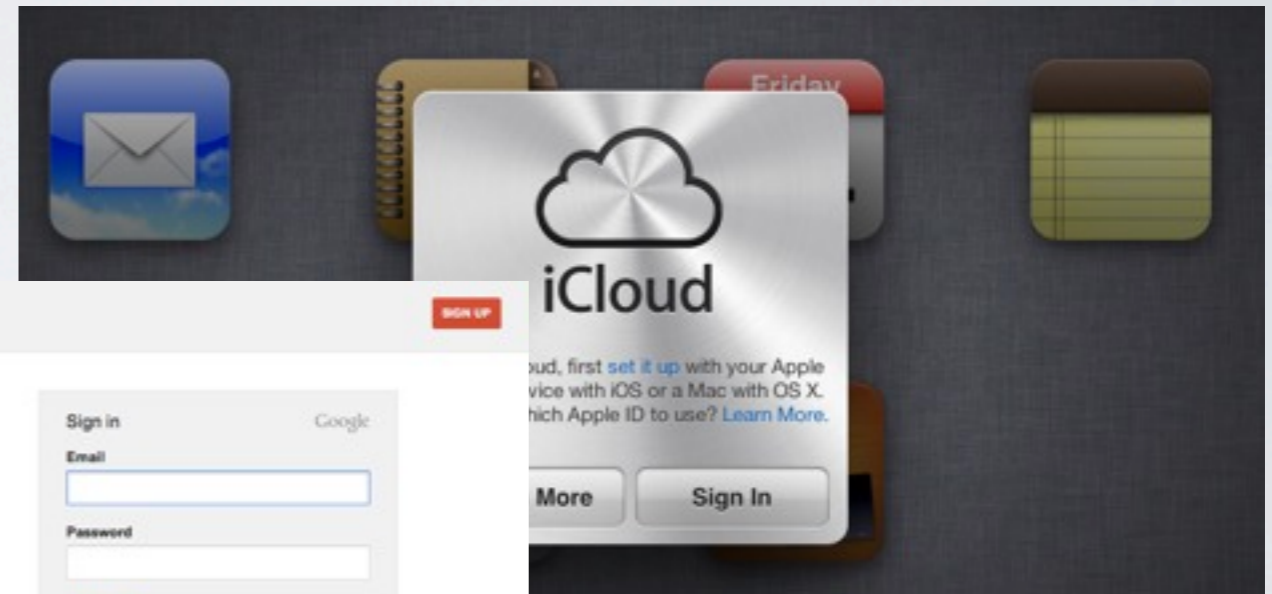
- As significant as Industrial Revolution
- Time scale is compressed
- mLearning is one aspect we need to embrace
- Tablets and smartphones are one aspect



THE CLOUD

EDUCATION AND CLOUDS

- Options depend on tools/ desired outcomes



EBOOKS

- Kindle is one ecosystem



The image shows a promotional banner for Kindle Cloud Reader. At the top, the text "kindle cloud reader" is displayed in a sans-serif font, with "kindle" in orange and "cloud reader" in black. A small white cloud icon is positioned above the word "cloud". Below this, on the left, is a square icon with the word "kindle" in orange and a white cloud at the bottom. To the right of the icon, the text reads "Kindle Cloud Reader lets you read ebooks, instantly—no Kindle device required." Below this text is a yellow button with the text "Sign In or Create New Account" and a right-pointing arrow. Underneath the button, a line of text states "Use of this app is subject to the Kindle License Agreement & Terms of Use". A horizontal line separates this section from the next. The second section is titled "Buy Once, Read Everywhere" and contains a bulleted list of three points. To the right of the list is an image of a stack of colorful books, with the top book being "Her Fearful Symmetry" by Audrey Niffenegger. A horizontal line is at the bottom of the banner, above the text "Works With These Web Browsers".

kindle cloud reader



Kindle Cloud Reader lets you read ebooks, instantly—no Kindle device required.

[Sign In or Create New Account](#) >

Use of this app is subject to the [Kindle License Agreement & Terms of Use](#)

Buy Once, Read Everywhere

- Kindle Cloud Reader runs in your web browser but looks and acts just like an app—and you can continue reading even if you lose your internet connection.
- Shop over a million ebooks in the Kindle Store.
- Already have Kindle ebooks? Read them in any supported web browser with Kindle Cloud Reader.



Works With These Web Browsers

CLOUD COMPUTING

- Consider Adobe Touch apps we reviewed
- Can be uploaded to <http://creative.adobe.com>
 - Others can view, comment, download
 - File formats are compatible with Adobe products
 - Workflows are changing as business reduces “non-billable” hours

BILLABLE HOURS - INDUSTRY

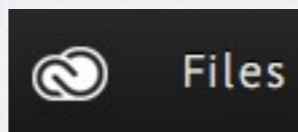
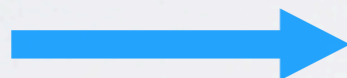


WORKFLOW - WEB SITE

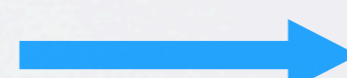
- Client meeting ended, upload files to Creative Cloud
- Team can immediately begin working



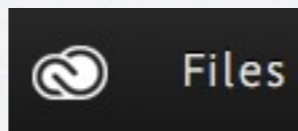
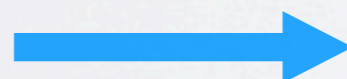
Ideas



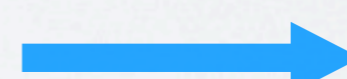
Files



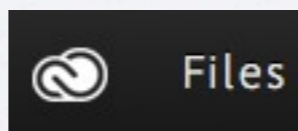
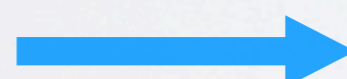
Proto



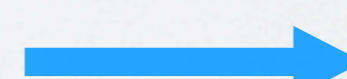
Files



Kuler



Files



ASE

CONNECTION REVOLUTION

- Tablets, smartphones are one aspect
- Cloud computing allows for new inter-relationships between multiple devices
- But these are part of larger connections

SOCIAL MEDIA

SOCIAL MEDIA

- Facilitate online relationships and information sharing



TWITTER

- Twitter hashtag for this event - **#iccgts12**
- Possible uses in education
 - Students tweet with #tag in response to a question
 - Point to additional resources/ challenges outside of class (use class #tag)
 - Include a Twitter widget in your course

CONNECTION REVOLUTION

- Tablets and smartphones are one aspect
- Cloud computing is another
- Social media is helping tie this all together
- But don't underestimate the massive amount of data and relationships

OUR DIGITAL WORLD

DATA CREATED IN 2011

- 1.8 zettabytes (10^{21} or 1,024 exabytes)
- 57.5 billion 32 GB iPads
- Doubling every 2 years (actually pace is increasing)

RANDOM STATISTICS

- Roughly **72 hours** of video uploaded to **YouTub**e every **minute** of every day.
- If **Facebook** were a **country** it would be **3rd largest** (almost surpassing India) - over 900 million members
- Over **340 million tweets** per **day**

CONNECTION REVOLUTION

- We are in a period of unprecedented change
- Technology is a major driving force
- As educators, we need to adapt rapidly
 - Learning should be happening on **any device**, at **any time, anywhere**

CONNECTION REVOLUTION

- What is it?
- How does it work?
- Who is doing it?
- Why is it significant?
- What are the downsides?
- Where is it going?
- What are the implications for higher education?