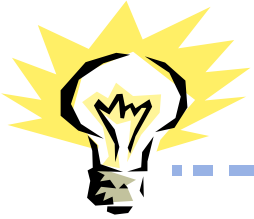


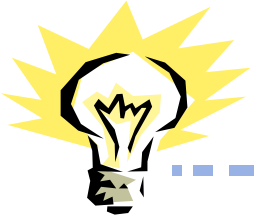
Mid-fidelity Prototyping Tools

Beyond Sketches



Agenda

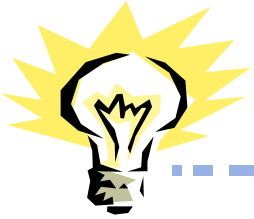
- Beyond sketches
- Computer methods



Prototyping Dimensions

- 1. Representation
 - ❖ How is the design depicted or represented?
 - ❖ Can be just textual description or can be visuals and diagrams

- 2. Scope
 - ❖ Is it just the interface (mock-up) or does it include some computational component?



Dimensions (contd)

➤ 3. Executability

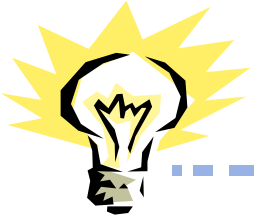
- ❖ Can the prototype be “run”?
- ❖ If coding, there will be periods when it can't

➤ 4. Maturation

- ❖ What are the stages of the product as it comes along?

Revolutionary - Throw out old one

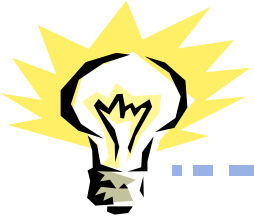
Evolutionary - Keep changing previous design



Terminology (1)

- Early prototyping
 - ❖ Used to evaluate function and interface
 - ❖ Typically non-computer

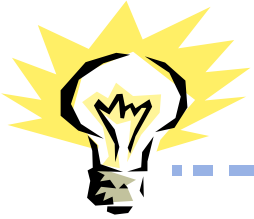
- Late prototyping
 - ❖ Used to evaluate performance
 - ❖ Usually computer-based



Terminology (2)

- Low-fidelity prototype

- High-fidelity prototype



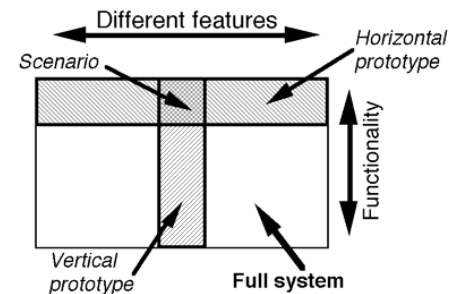
Terminology (3)

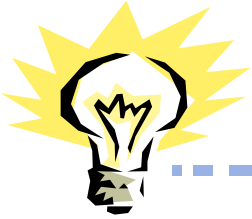
➤ Horizontal prototype

Very broad, does or shows much of the interface, but does this in a shallow manner

➤ Vertical prototype

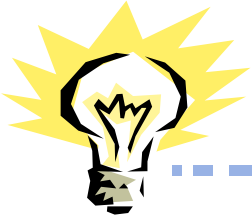
Fewer features or aspects of the interface simulated, but done in great detail





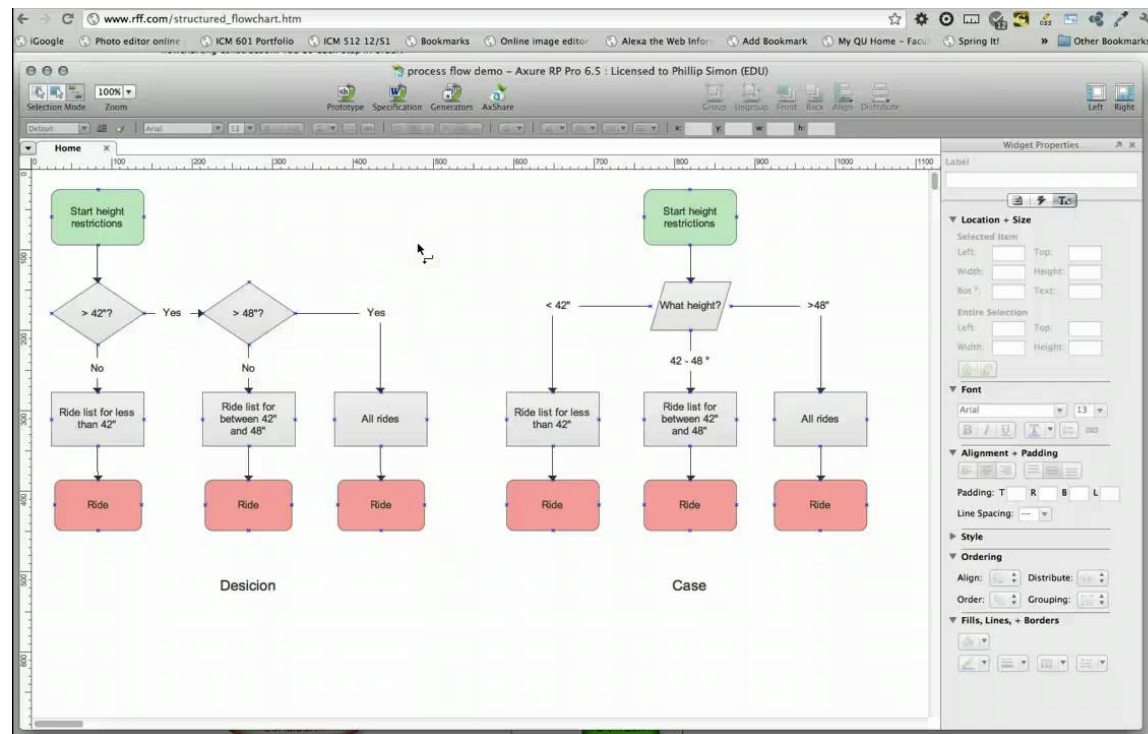
Computer-Supported Methods

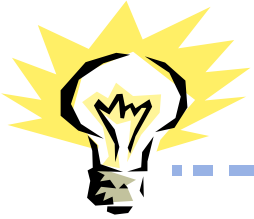
- Can support more rapid changes to simple mockups
- Can support more functionality for prototypes
- Can lead to “stale” design, can focus user (or customer) too much on the details of the interface, too early in the design process



Axure

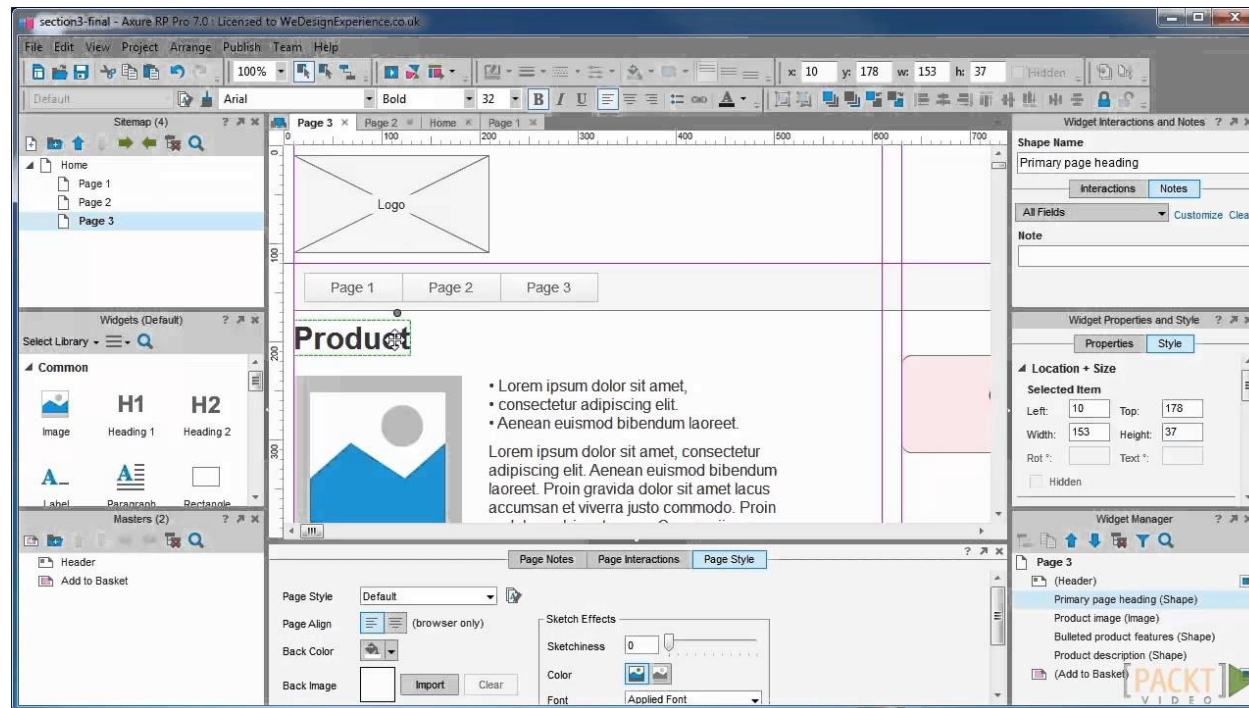
www.axure.com

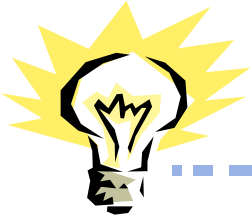




Axure

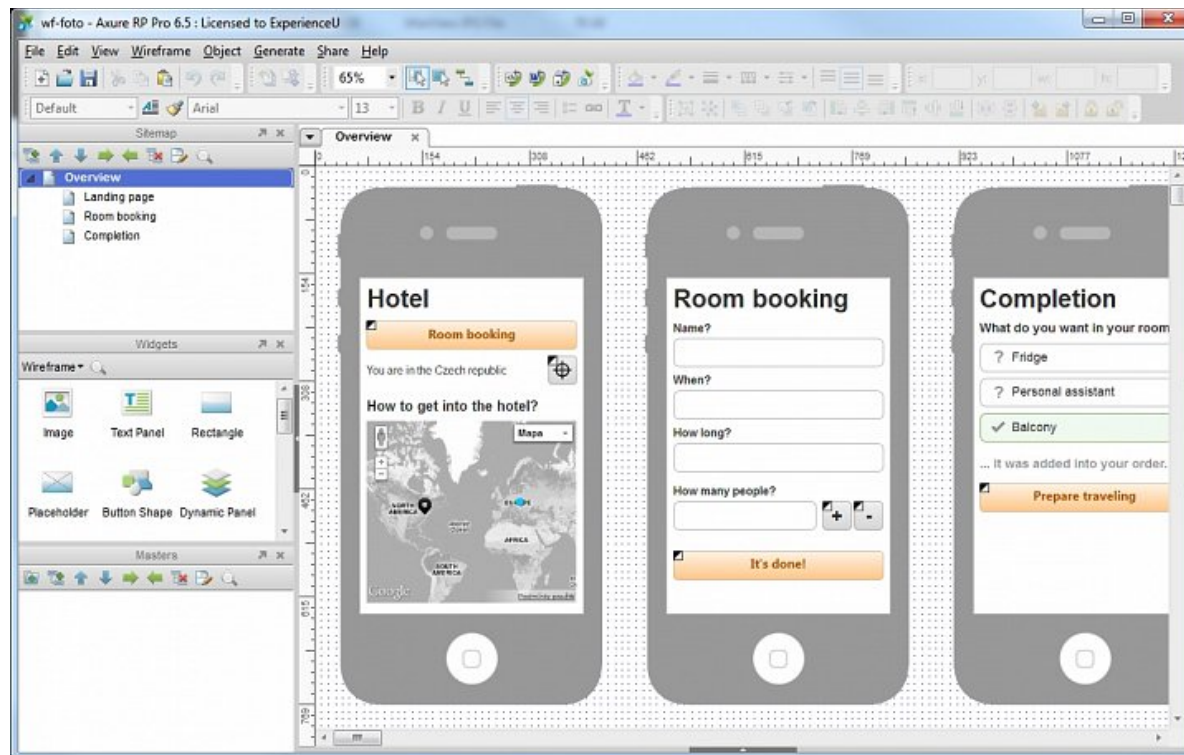
www.axure.com

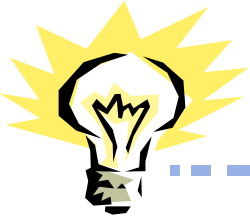




Axure

www.axure.com

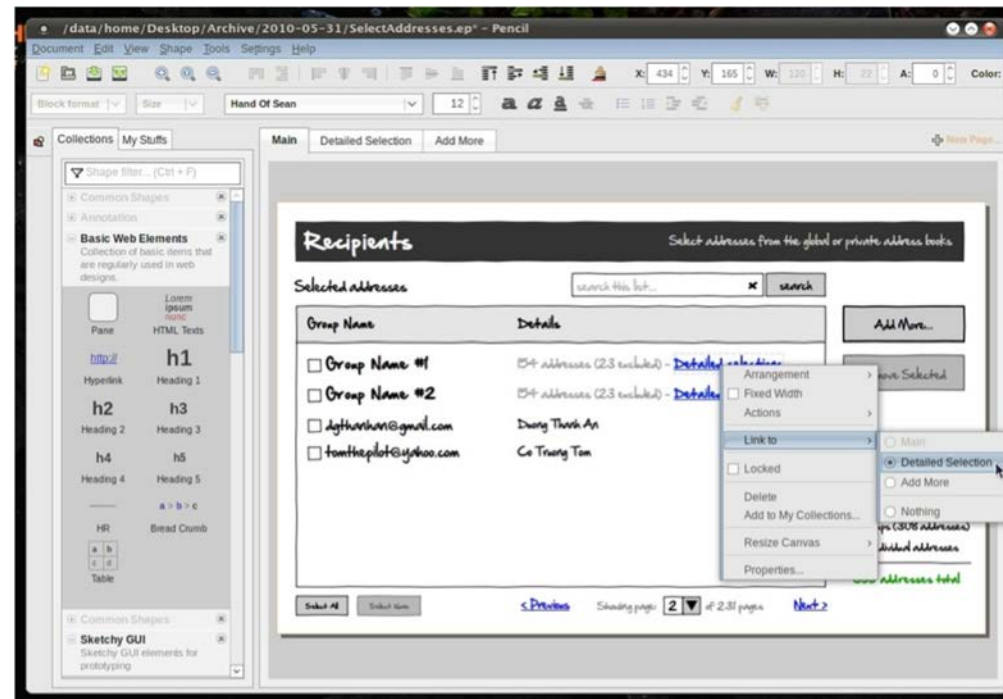


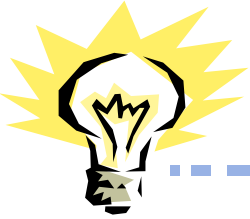


Pencil

- <http://pencil.evolus.vn/en-US/Home.aspx>
- Similar to Balsamiq
- Open-source
- Works with Firefox or as an app
 - ❖ OSX
 - ❖ Windows
 - ❖ GNU/Linux

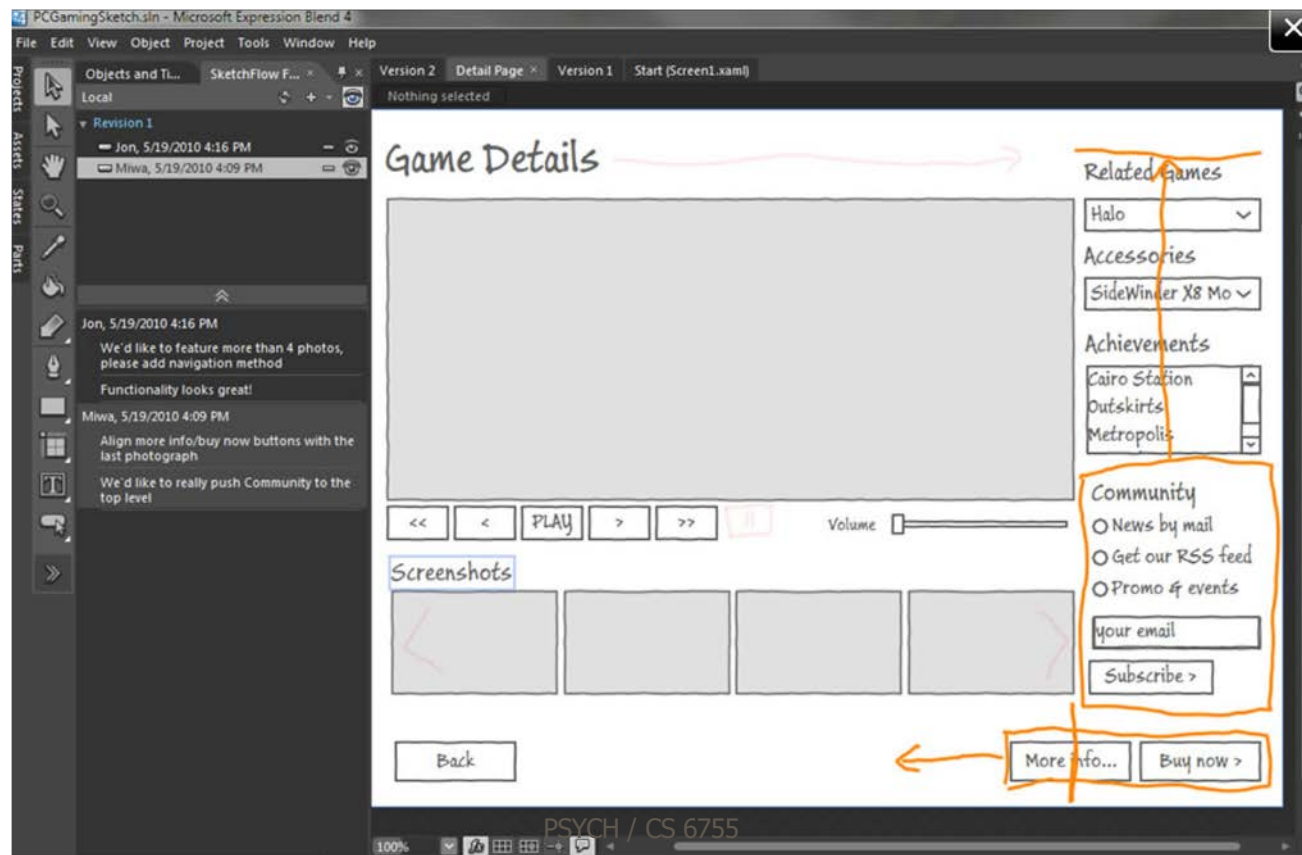
Inter-page Linking

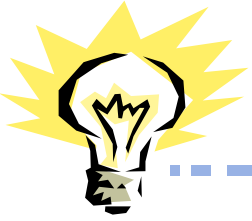




Microsoft SketchFlow

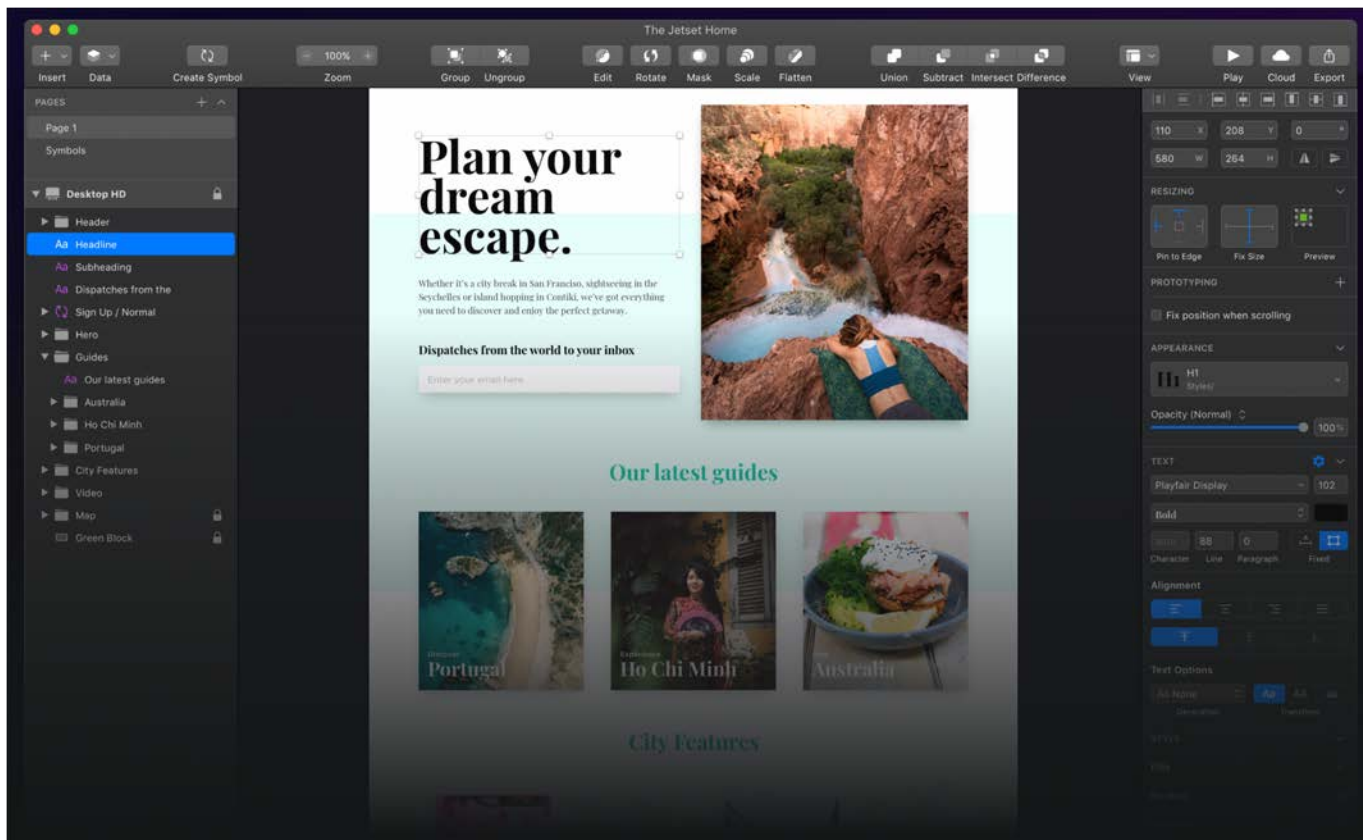
- http://www.microsoft.com/Expression/products/SketchFlow_Overview.aspx
- Demo: <https://www.youtube.com/watch?v=vIdxERxhO3c>

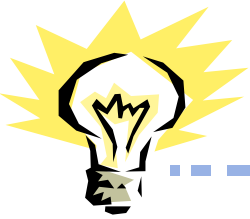




Sketch

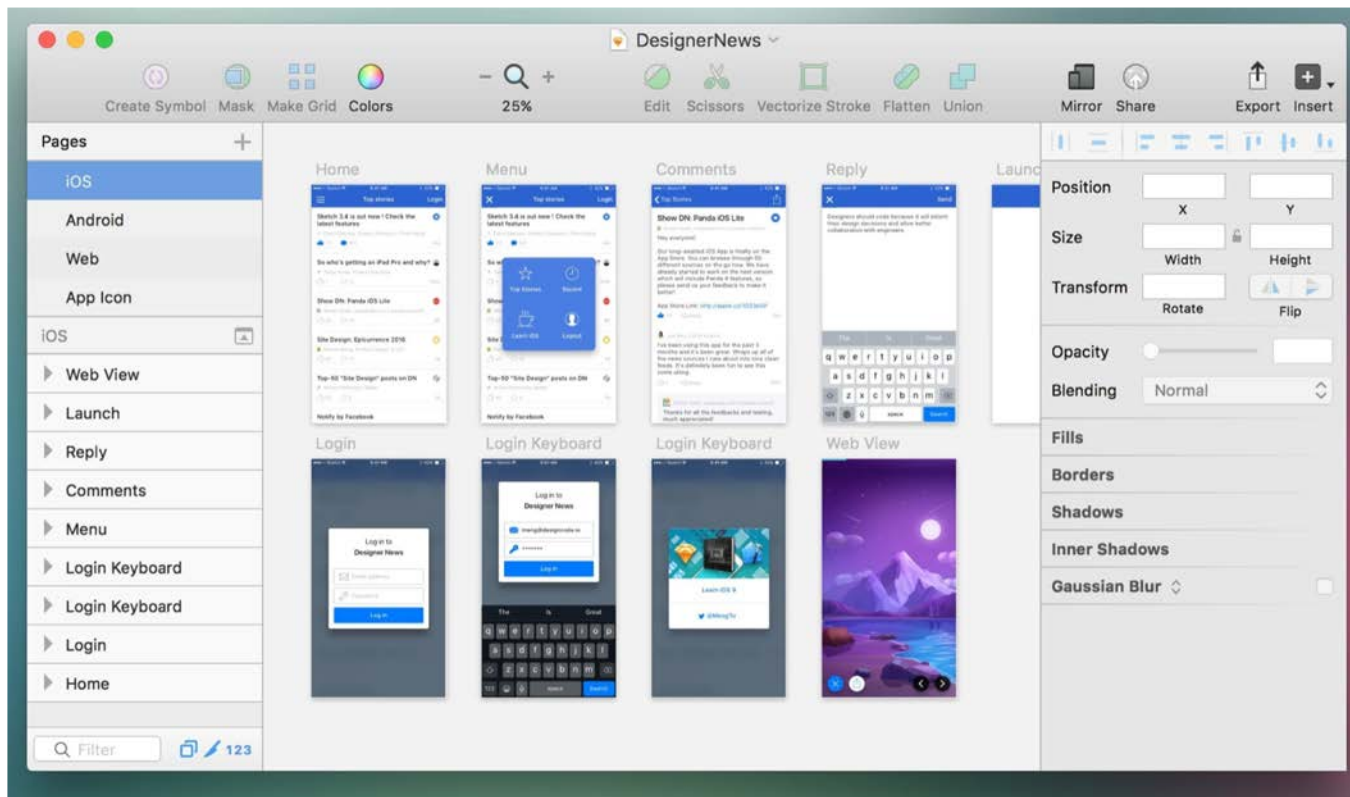
- <https://www.sketch.com>
- <https://designcode.io/sketch-learn>

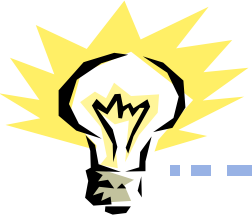




Sketch

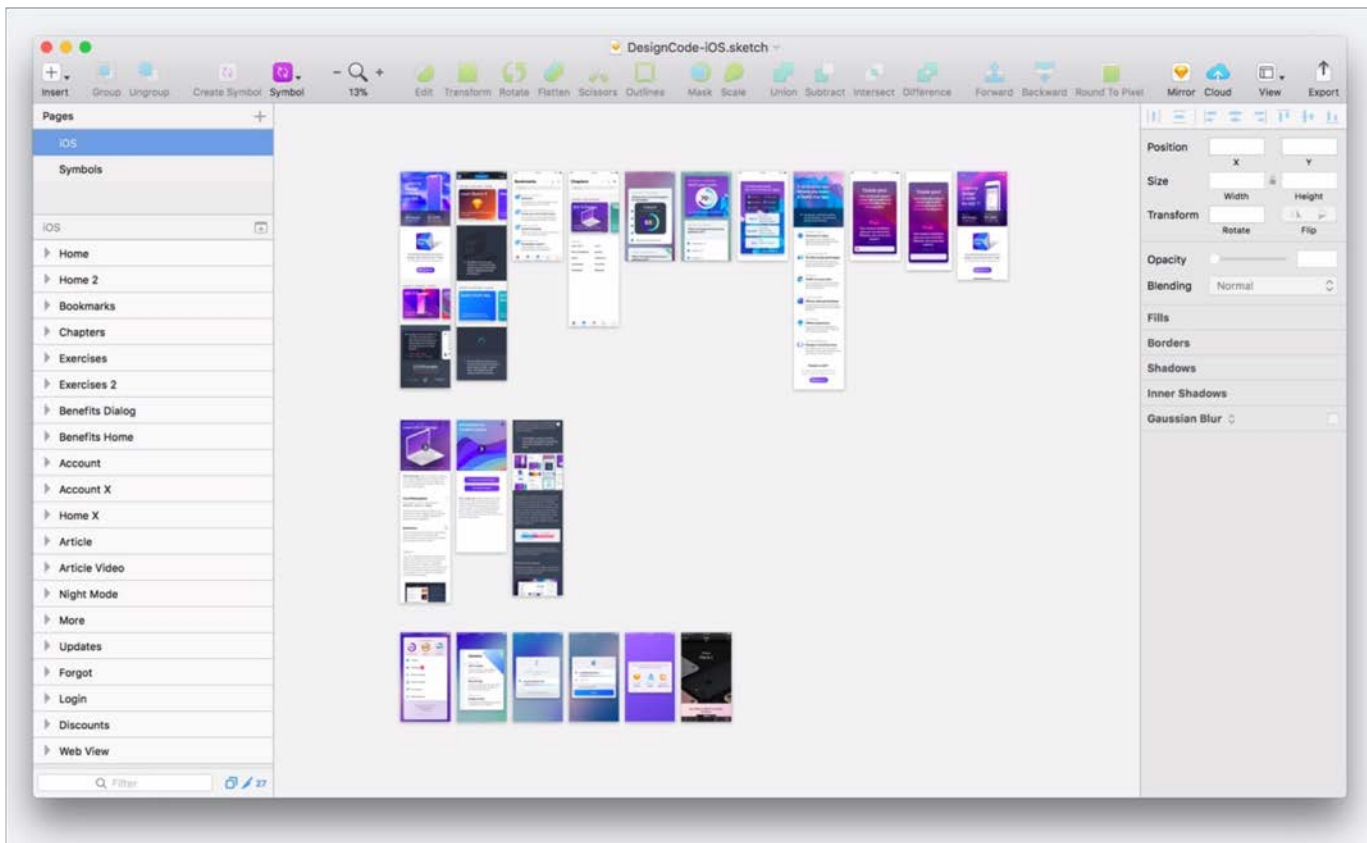
- <https://www.sketch.com>
- <https://designcode.io/sketch-learn>

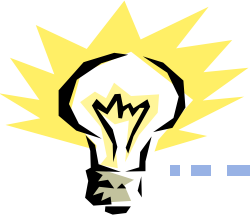




Sketch

- <https://www.sketch.com>
- <https://designcode.io/sketch-learn>

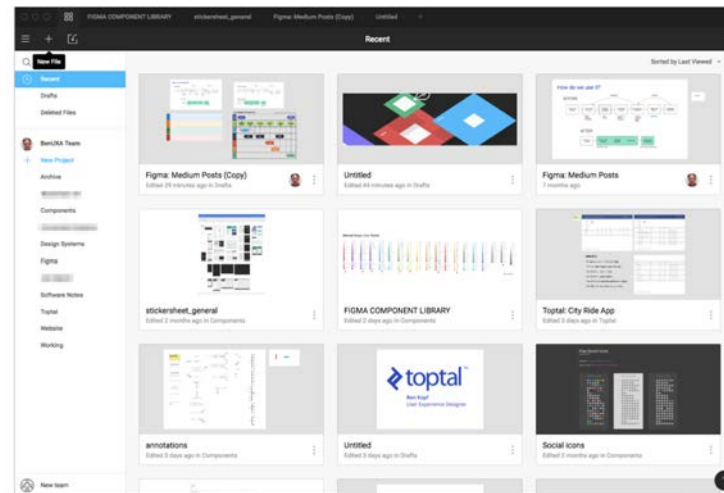


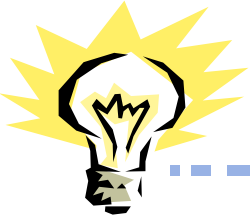


Figma

- <https://www.figma.com>
- <https://www.toptal.com/designers/ui/figma-design-tool>

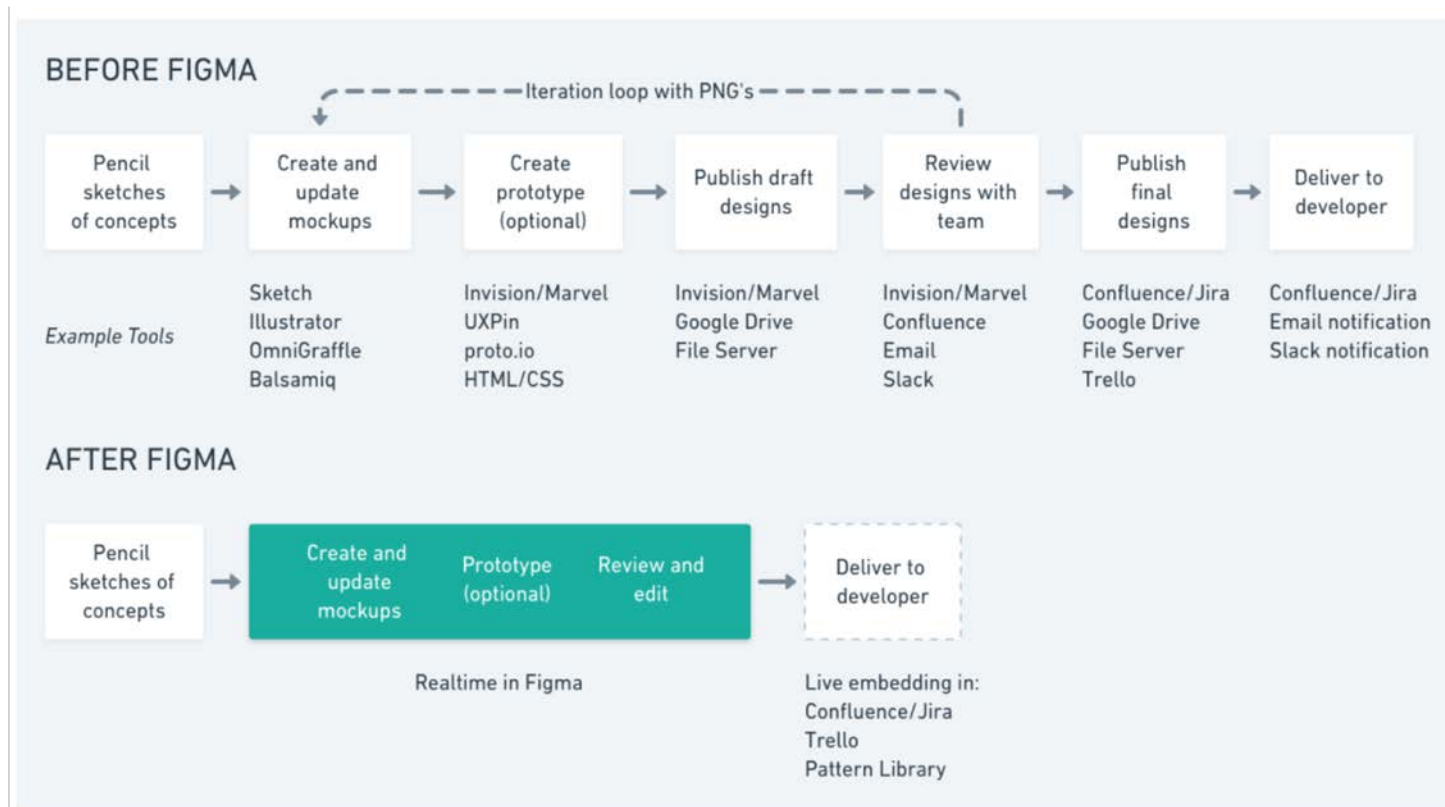
Figma is a cloud-based design tool that is similar to Sketch in functionality and features, but with big differences that make Figma better for team collaboration. For those skeptical of such claims, we'll explain how Figma simplifies the design process and is more effective than other programs at helping designers and teams work together efficiently.

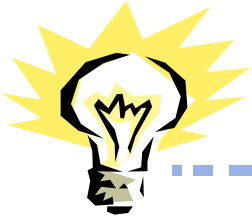




Figma

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- <https://www.toptal.com/designers/ui/figma-design-tool>

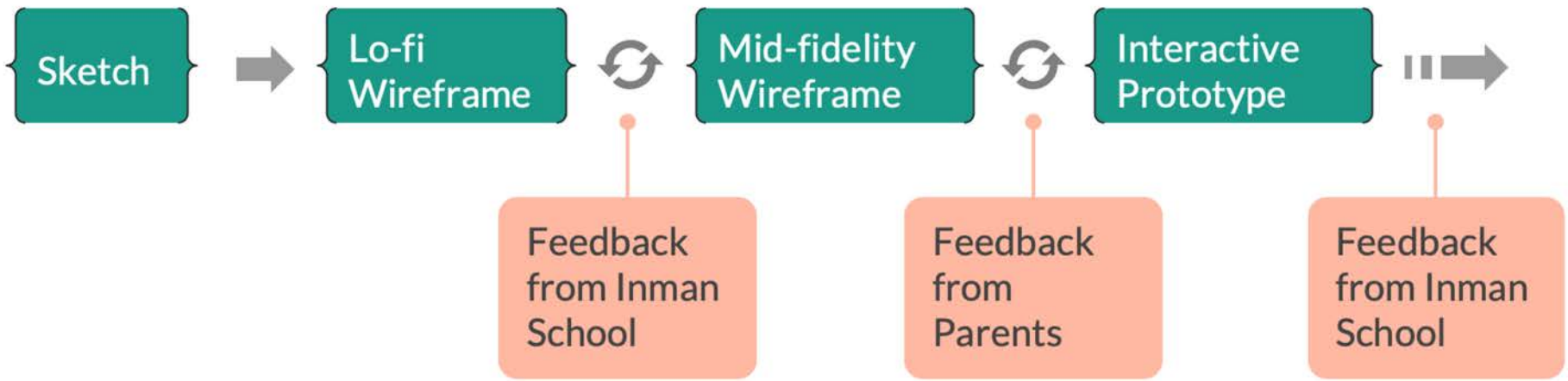




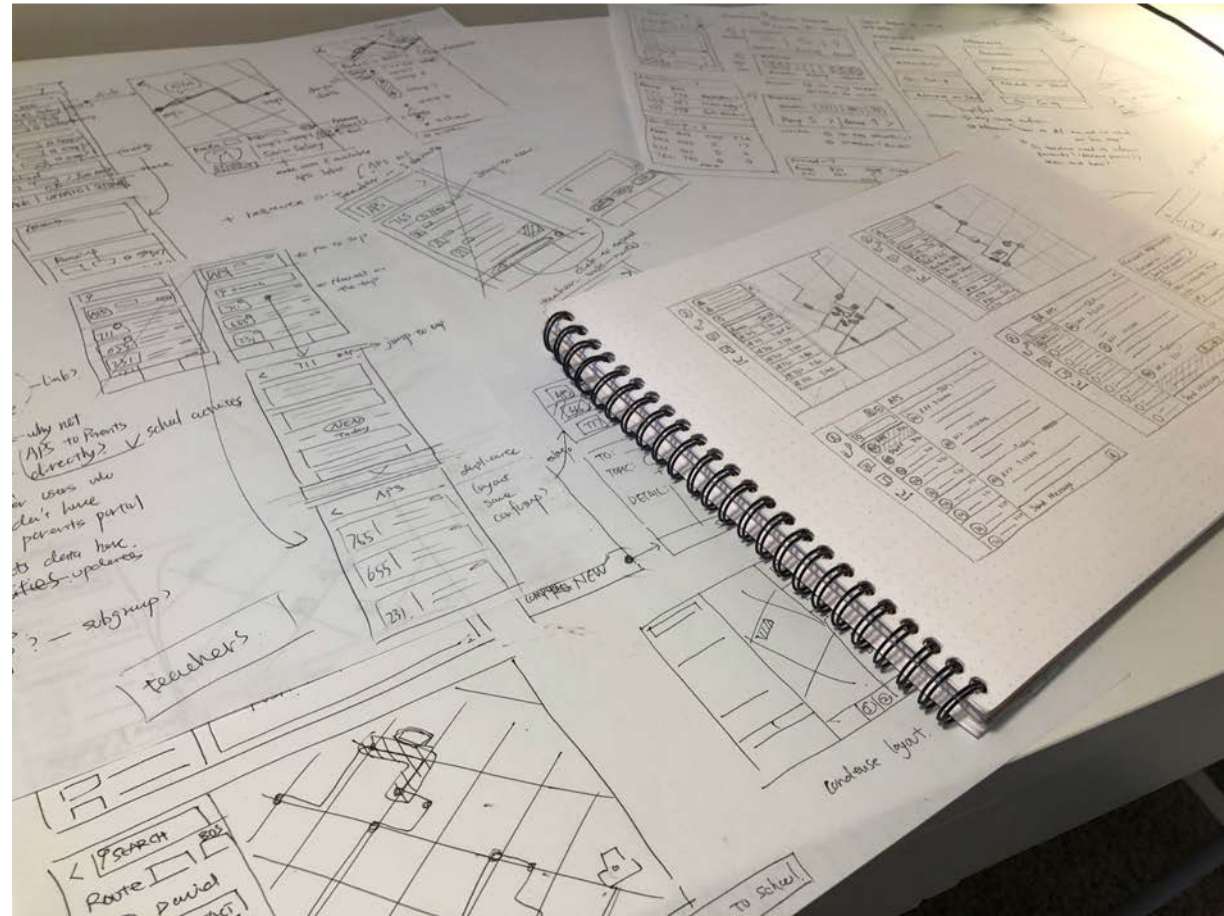
Figma in Use

- School Bus Information App

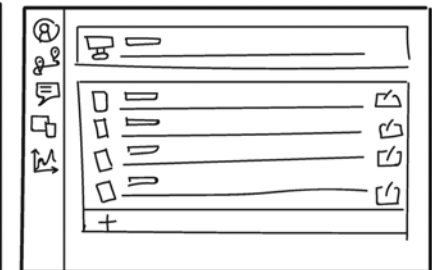
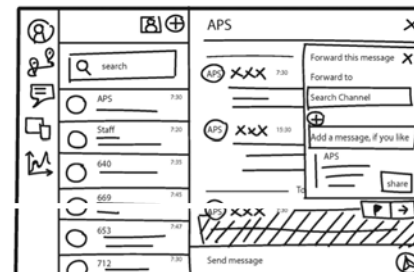
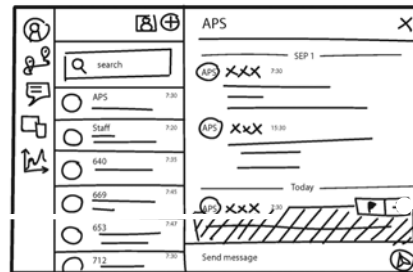
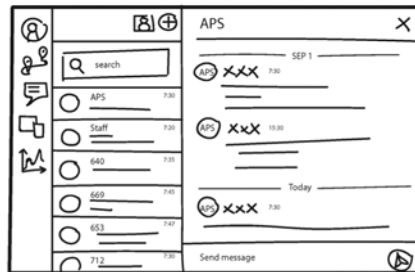
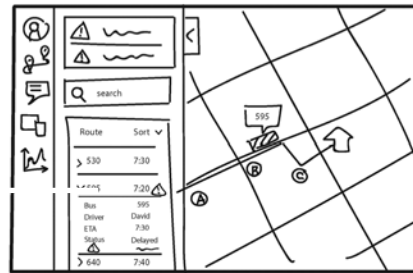
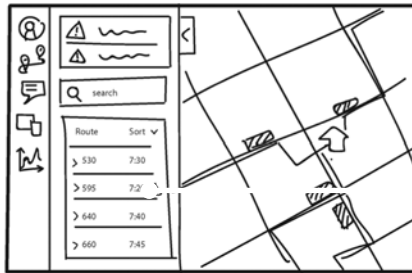
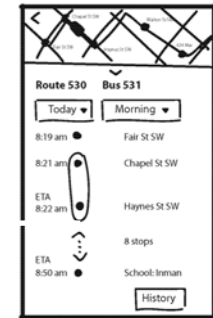
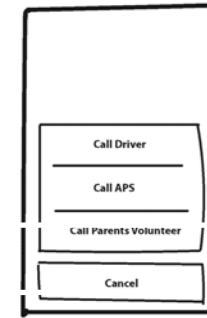
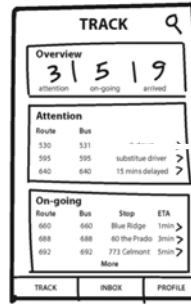
School Portal - Design Process



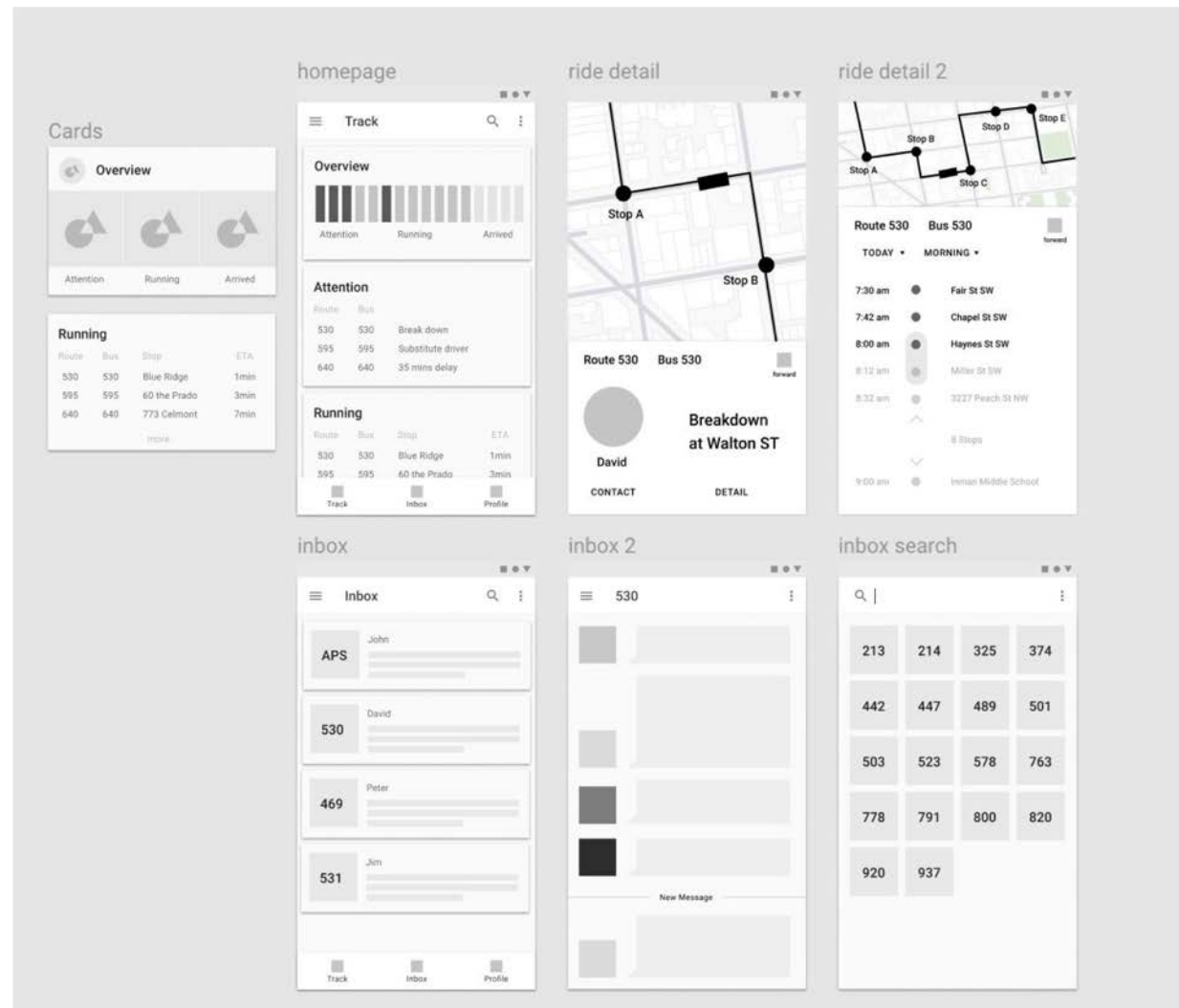
School Portal Sketch



School Portal Wireframes



School Portal Mid-fidelity Mobile Interfaces



School Portal Feedback

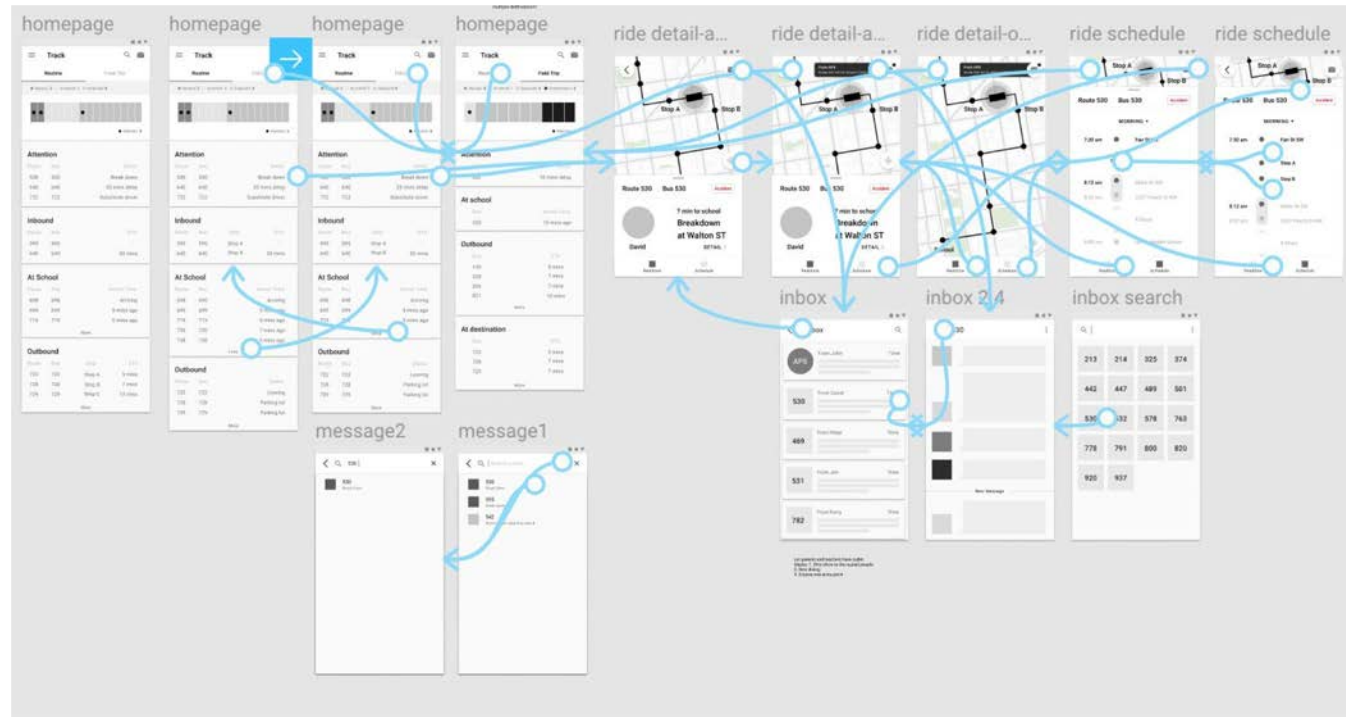
- From Parents



School Portal Prototype

Link:

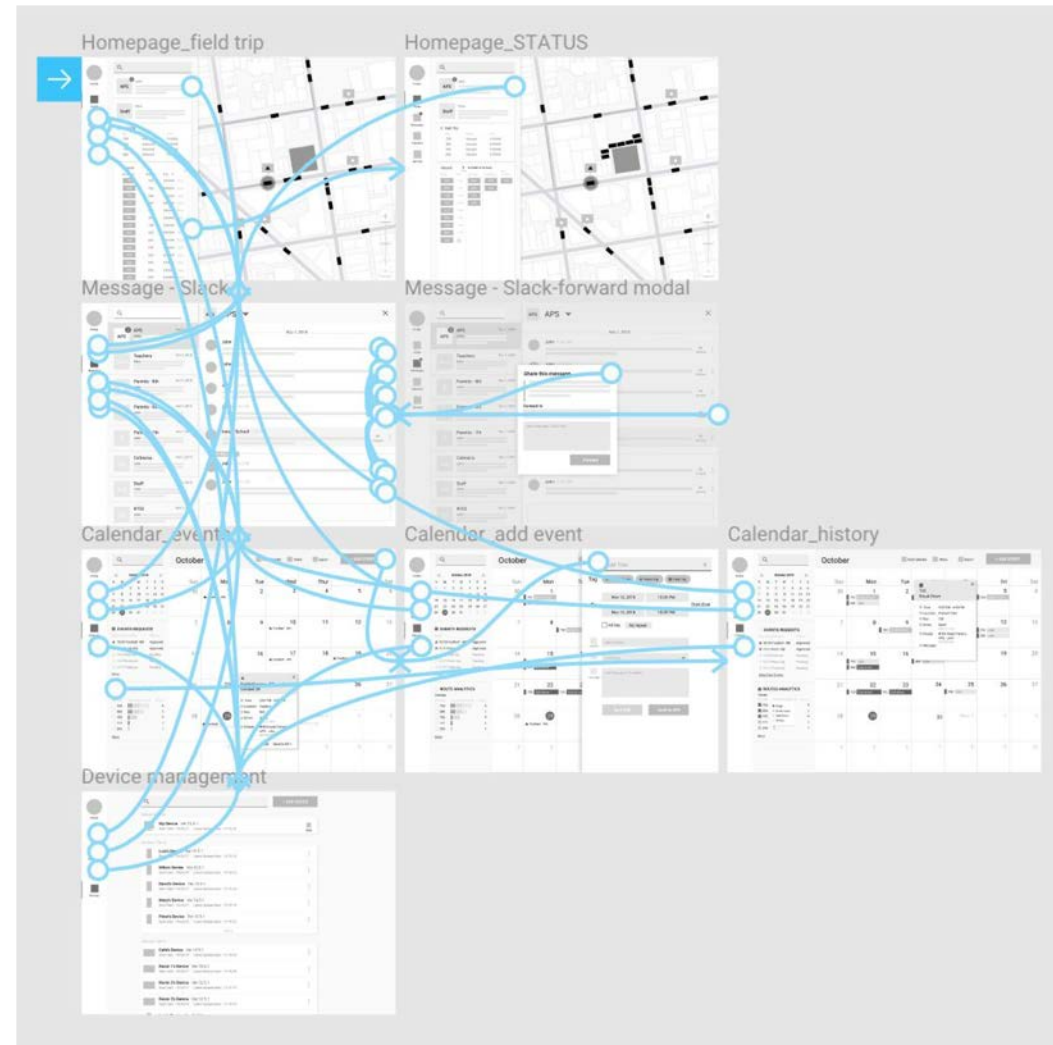
<https://www.figma.com/proto/FdqWgnwkorJYda8yA1bv5CCC/School-Portal?node-id=0%3A1&scaling=scale-down>



School Portal Prototype

Link:

<https://www.figma.com/proto/FdqWgnwkorJYda8yA1bv5CCC/School-Portal?node-id=262%3A2&scaling=min-zoom>



School Portal User Testing

- From
Principal of
Inman
Middle
School



School Portal - Iteration

Based on meetings with advisor, feedback sessions from stakeholders and user testings

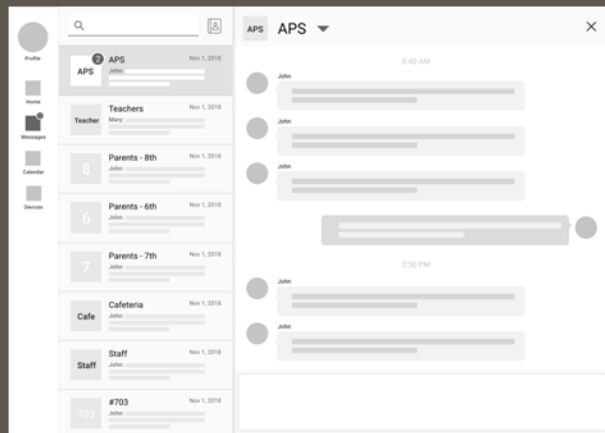
We iterate our design constantly during the process...

School Portal Iteration on mobile platform

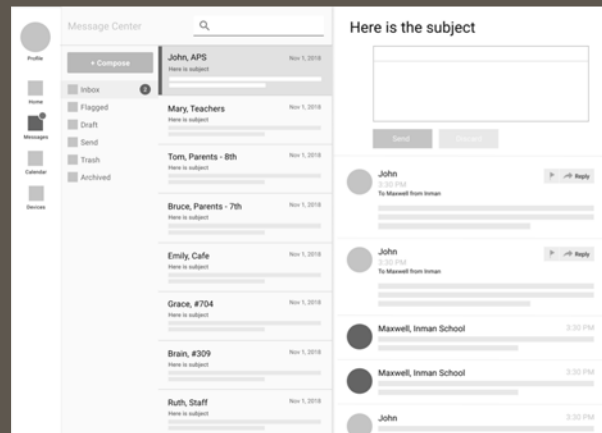
- Overview evolution



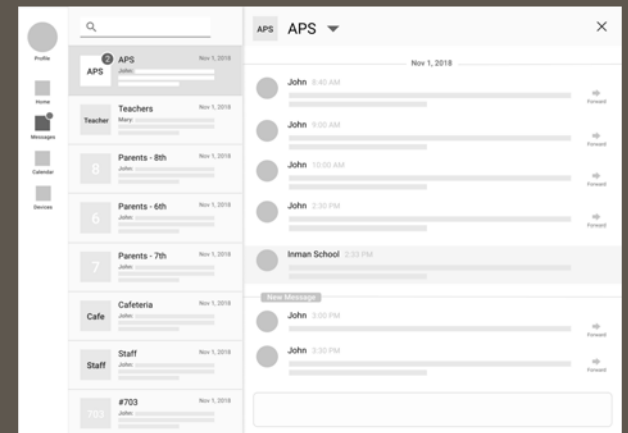
School Portal - Iteration on desktop platform



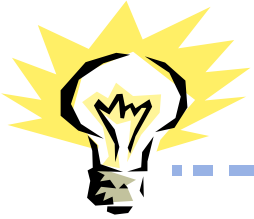
Text



Email



Slack



Upcoming

- Midterm Exam
- Poster Session