User Feedback

# General

## ID 1:

* Not really that useful for papers, better suited for books
* Maybe there is no digital medium available? Or I only have access to a printed copy

## ID 2:

* Frame of the screen could be problematic
* Need to be able to distinguish top/bottom
* How often do you even take notes? “Most things are just temporary anyway.”
* After finishing your work, annotations no longer needed
* Much more useful for additional information
* Shaking would not be so good, especially for device on a book or paper

## ID 3:

* Orientation on page is a problem, where did I do something already?
* Often no real work environment available (on a bus, outside, …)
* An inflexible display on curling/buckling paper: I’d prefer a normal pen
* More suitable for tables
* Maybe more useful for special scenarios like architects, or on construction sites where large sheets of paper are being used also consider collaboration on one such document

## ID 4:

* Better suited for books, digital enhancement
* Synchronization of notes
* Grip/mobility important factor
* “Overall, it’s cool”
* Underlying content shining through may be problematic

## ID 5:

* Should be flexible, like paper
* Weight can be problematic
* Can only really write on the device when sitting at a table
* Frame would be very annoying

## ID 6:

* Paper should be fixed to device, fear of dropping the device
* Pleasant way of holding the device is very important
* Main advantage of real paper: work outside at the pond, in the sun
* Cannot really use this without a desk, don’t want to tilt head too much
* Curling/buckling of paper very annoying: “That’s sh\*\*.”
* Device needs to know the content

## ID 7:

* Curling/buckling paper is an issue
* Device should slightly be fixed on the page
* Weight is important
* You usually “stiffen” the paper with one hand to prevent flipping over

## ID 8:

* Offset due to the device’s thickness is problematic, especially when using a pen
* Paper printed also for flexibility, is lost when using the device

# Highlighting

## ID 1:

* Problematic, the device needs to be put in place again to find sth., but highlighting is used to simplify finding sth. again
* Highlighting only useful when some export/syncing is possible, otherwise easier on real paper

## ID 2:

* Mark and copy sections would be a good feature

## ID 3:

* Would prefer yellow markings like in PDF reader

## ID 4:

* Preferring free-hand to word/line based highlighting
* Very important feature

## ID 6:

* Highlighting not so interesting

## ID 7:

* Highlighting should support both freehand markings as well as word/line based markings
* Definitely the most important feature

## ID 8:

* Very important
* Also allow comments on highlighted parts

# Annotation

## ID 1:

* Not so helpful for papers, you can write directly on them
* More useful for books, you don’t want to scribble on them
* Annotations only useful when some export/syncing is possible, otherwise easier on real paper

## ID 2:

* Would need some overview or a list of all annotations for easier access

## ID 3:

* Should support precise text input to be useful
* Sticky notes

## ID 4:

* Some sort of note taking function very important

## ID 5:

* Captions, additional information about a picture, e.g., blueprints, exploded views

## ID 6:

* Annotations not that interesting

## ID 7:

* Handwriting recognition would be very nice
* Readability is a problem
* Also support some “purely digital” form of note taking (sticky notes for longer texts), uses less space
* Not unimportant but not the defining aspect either, prefer pen to finger writing

## ID 8:

* An important aspect
* Simple drawing function can already be helpful
* But on the other hand, onscreen keyboard may be better than pen input

# Showing additional media and metadata

## ID 1:

* Definitely good to have
* Browsing through books always a problem, can help with that
* Animations would be a really nice addition
* Most important feature of tPad: augmenting with additional information (Refs, Translations, …)

## ID 2:

* Show videos full screen, not only centered on the picture linking to it
* Might be useful

## ID 3:

* Links/Refs are helpful
* Videos, animations etc. depending on the content

## ID 4:

* Should be able to save videos for later
* Very important

## ID 5:

* Open to the idea, but often not needed
* Content needs to be prepared for this

## ID 6:

* Look up unknown terms/definitions, offer translations
* Show References
* Such additional info is very important
* Formatting/overlay should indicate links and interactive content
* Also allow lifting up from the page, “normal mobile phone posture” when watching video
* Hide such overlays when device is placed on different text

## ID 7:

* Looking something up is “quite cool”
* Maybe use tap-and-hold for translation
* Not used very often

## ID 8:

* Problematic to implement, but nice concept
* Showing references is a good idea, would be nice to see authors’ bibs
* Looking up unknown terms, when you don’t have a lot of experience with the topic
* Convenient

# Replacing content (invert, etc.)

## ID 1:

* Magnifying glass would make sense, more comfortable reading
* Could even save resources: print smaller, magnify electronically
* Show table of contents (for books)

## ID 3:

* Zooming, for the elderly
* Translation, different fonts

## ID 4:

* Useful for automatic translations, or looking something up
* Font size, spacing, but not as important

## ID 5:

* Good for looking sth. up or translations, inverting text may be useful for some people

## ID 6:

* Zooming
* Colorblind mode
* Zoom out for broader view/orientation

## ID 7:

* High contrast mode would be very good, but pictures don’t need to be inverted

## ID 8:

* Inverting/ High contrast mode is useless and colors would distract reader
* Automatic translations have bad quality, are not helpful

# Flipping as interaction technique

## ID 2:

* Could be used for sketching/editing vs. exploration/additional info
* Or: maybe just for inverting the mode, same functionality
* Or: Active reading on one side, different apps on other side

## ID 3:

* Flipping is too complicated
* Would prefer a context menu or gestures

## ID 4:

* Unintuitive, strange
* Would prefer tap-and-hold to trigger popups

## ID 5:

* To laborious
* Maybe use one side as a digital note book

## ID 6:

* Use a menu instead of flipping to change modes
* Doesn’t feel very comfortable

## ID 7:

* Explicit flipping is okay when you don’t have to do it too often

## ID 8:

* To cumbersome, rather use button

# Additional features

## ID 1:

* Should provide translations of individual words
* Some form of social networking would be nice, which parts of a text are good, comments of others

## ID 3:

* Show diagrams, other forms of presentation for data, but the content has to be provided by the author

## ID 4:

* Some reading aid when it is dark

## ID 6:

* Clipboard, some connection to mobile phone
* Should offer larger area for note taking, not enough space on text
* Maybe combine with technologies like Google Glass

## ID 7:

* Allow lookup but also editing in literature database