



Methods & Design

Kendra Knudtzon

Adam Perer



Project & Goals

- ✓ School Reader for ICDL
 - For middle-school aged children (10-13)
- ✓ Annotations to support reading comprehension questions
- ✓ Annotations + note-taking to support book report or essays

Original Design Ideas

- ✓ Highlighting
- ✓ Stamps
- ✓ Sticky Notes
- ✓ Book Marks
- ✓ Note Page / Question Sheet

Kid Design Partners

- ✓ Worked with 5 children, ages 10-13
- ✓ Talked about school-related reading activities
- ✓ Discussed types of tools needed in a digital library for these activities
- ✓ Made low-tech prototypes

Kid Design Suggestions

- ✓ Tabular bookmarks (with names)
- ✓ Highlighting
- ✓ Post-it notes
 - Stamps associated with notes
- ✓ Customization
 - Different styles of reading logs
 - Comprehension sheets
- ✓ Other
 - Searching, Bookshelves, Dictionary, Translations

Kid Design Suggestions



Artemis Fowl

Ch 1

Short Notes or

Artemis Fowl

Artemis Fowl

Eng 8er

Action

Home work help

Pop up type in

Teacher Suggestions

- 6th Grade Reading Teacher
- Click & clunks (! and ? sticky notes)
- Guided Questions (pop-ups?)
 - Prediction forms
- Competition – comparing notes with other children
- Reading at different speeds (teacher stamp for books)

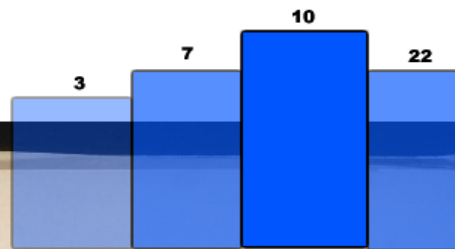
Final Design Ideas

- ✎ Combined highlighter, stamp, and sticky note
 - Teacher and children suggestions
 - Most elegant, simplified design
- ✎ Bookmarks and ear-marking pages
 - Children suggestions
- ✎ Note Page / Question sheet
 - Teacher and children suggestions



Low-Fidelity Prototype





INTRODUCTION

of a literary family, and devoted all her talent to the writing of books for and about children.

Since "Heidi" has been so often translated into English it may well be asked why there is any need for a new version. **The answer lies partly in the conventional character of the previous translations.** Now, if there is any quality in "Heidi" that gives it a particular charm, that quality is freshness, absolute spontaneity. To be sure, the story is so attractive that it could never be wholly spoiled; but has not the reader the right to enjoy it in English at least very nearly as much as he could in German? **The two languages are so different in nature that anything like a literal rendering of one into the other is sure to result in awkwardness and indirectness.** Such a book must be not translated, but re-lived and re-created.

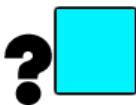
To perform such a feat the writer must, to begin with, be familiar with the mountains, and able to appreciate with Wordsworth

what two languages
are they talking
about?

NOTES

heidi has a grand-
father...
she lives in the
mountains...
i think heidi doesn't
have parents...
is she an orphan?

where do swiss
people come from?



More
tools

Implementation Details

- ✓ ICDL standalone book-reader code
 - (Once it is ported to Piccolo)
- ✓ Java and Piccolo
- ✓ Object persistence (probably with XML)
 - Time permitting or for a future project