Methods & Design

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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
Kid Design Suggestions
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
heidi has a grandfather...
she lives in the mountains...
i think heidi doesn't have parents...
is she an orphan?

where do swiss people come from?
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