

## .design inspiration



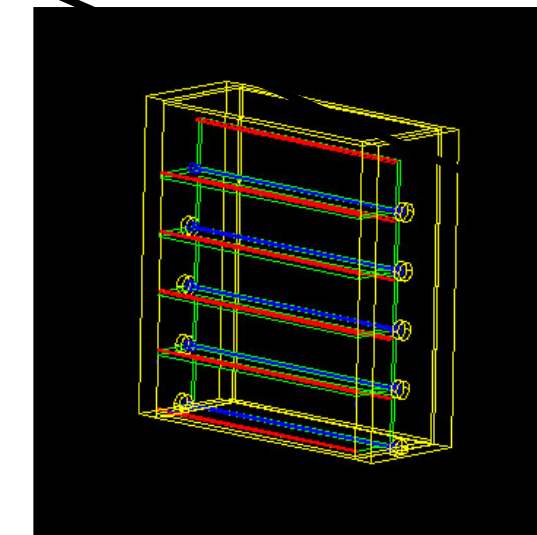
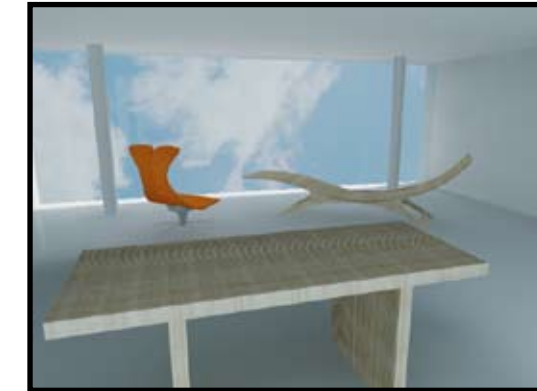
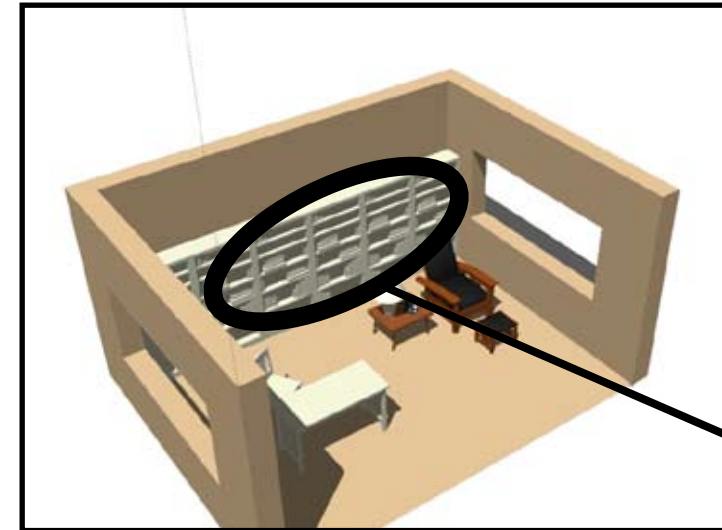
## .goals

- . break the previous idea into smaller, more manageable parts
- . look again at folding cups, murphy beds, nesting tables for ideas on saving space
- . realizing that bookcases take up a lot of space either way, creating rolling book cases seemed like a silly idea. instead, consider hiding the books themselves

## .components

- . bookcase frame - deep enough so that bookshelves can rotate
- . L-shaped shelves (dovetail joint?) with ledges on each edge to prevent books from falling off during movement
- . rotation axis - rod and axel
- . possibly use servos in bookcase to control shelf angle

## . models



## . bookcase

- . shelves rotate to hide books
- . ledge prevents books from falling
- . servo controlled movement
- . make servo react to sound input:
  - hide books if the beats are strong (time to dance!)
  - or show them if study music is on

## . other space

- . still work wooden chair into the space
- . design a similar styled folding wooden table
- . alter chair design to create a desk chair