Design & Assessment of New Individual Study Carrels

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Problem

In what ways can existing carrels be updated to meet student needs?

Existing Carrel Assessment

- Observations by students in Innovation Bootcamp and
- Paper surveys left on carrels …

Findings:

- Poor lighting
- 40-Year-Old study carrels don't meet student needs
- Poor seating
- No power outlet
- Space use/invasion (leg stretch)
- Cramped feeling

Prototype Development

o Idea generation by Innovation Bootcamp students
o Bootcamp ideas used as springboard by HBLL Facilities, BYU Planning, & BYU Physical Facilities
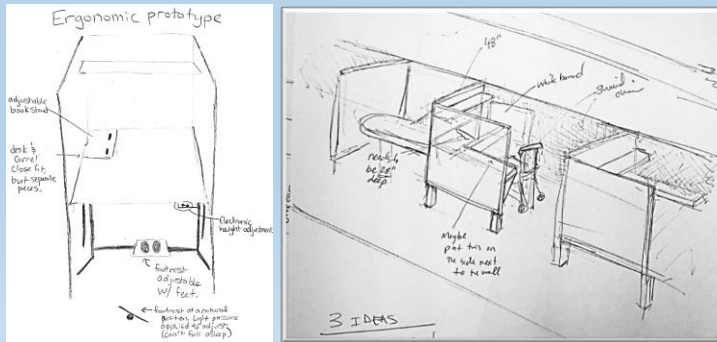
1st Prototypes

Feature comparisons

- Full vs corner shelf
- Large vs small white board size
- Foot rest bar vs no foot rest
- Manual vs Automatic light switch

1st Prototypes Assessment

Used survey with open-ended response via:

- iPad survey following first-impression of the carrel placed in common area
- Paper surveys placed on prototype when located on different floors for student use
- QR code linked to online survey
- Social media linked to online survey

Popular Features

- Electrical plug-in at desk level
- Larger size w/ desk extension
- Color

Modifications From 1st to 2nd Prototypes

- Long shelf
- Pin strip on whiteboard option
- LED light option
- USB added to electrical outlet
- Moveable foot rest
- Larger whiteboard
- Signage added for manual light switch
- Solid short wall with message board option

Feature comparisons

- LED vs fluorescent lights
- Solid vs glass short wall
- No pin strip vs pin strip

2nd Prototypes Assessment

Followed 1st iteration protocol (student used first followed by common viewing)

Final Carrel Features

- Electrical & USB outlet
- Long shelf
- Desk extension (includes left-handed model)
- Solid walls only (no message area)
- Movable foot rest
- Space protection (longer sides)
- Lighter carrel color
- Large white board
- LED light with manual switch
- Comfortable chair on wheels
- No pin strip on white boards