

PROPOSAL

Big Ten Student Design Challenge

Indiana University | Visionary Hoosiers

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STUDENT NEEDS ANALYSIS & INSIGHT REPORT

The informal student collaboration space will be renovated on the second floor of the Student Building in the historic crescent of Indiana University Bloomington's campus – the original bell tower of the building serving as a visual icon for the University. It houses the Department of Geography as well as the Department of Anthropology and is widely used by students for general education courses.

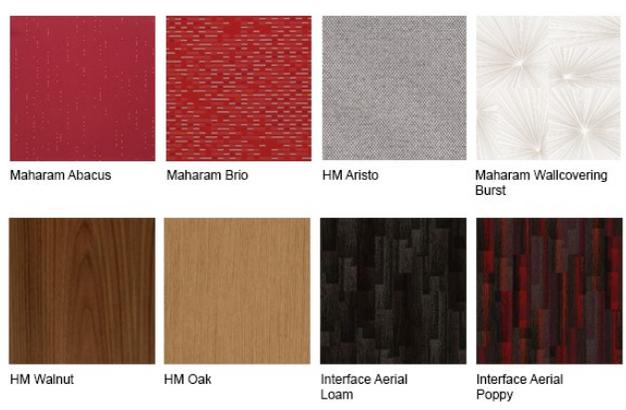
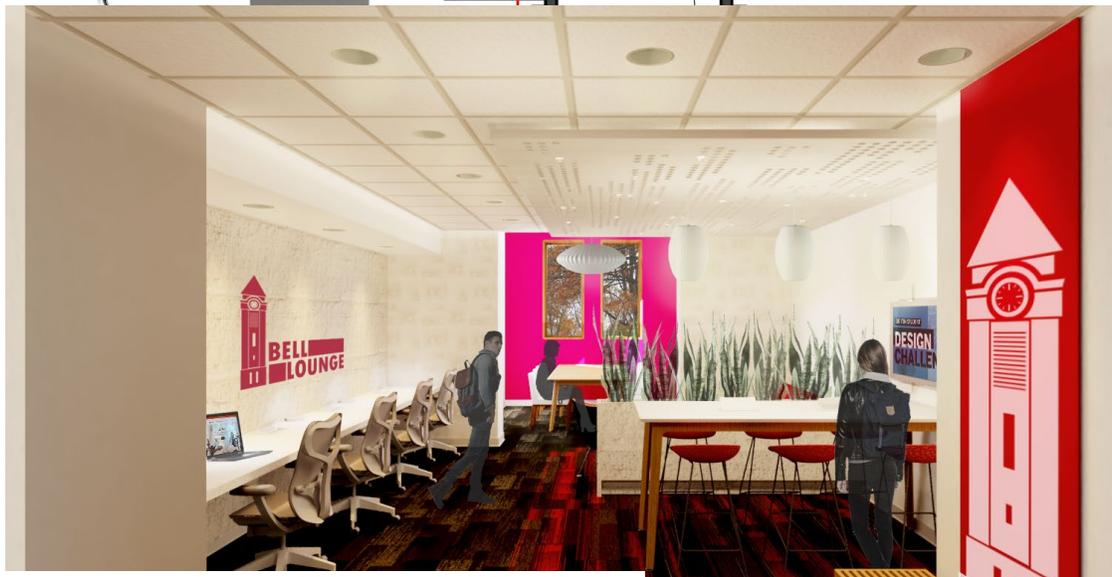
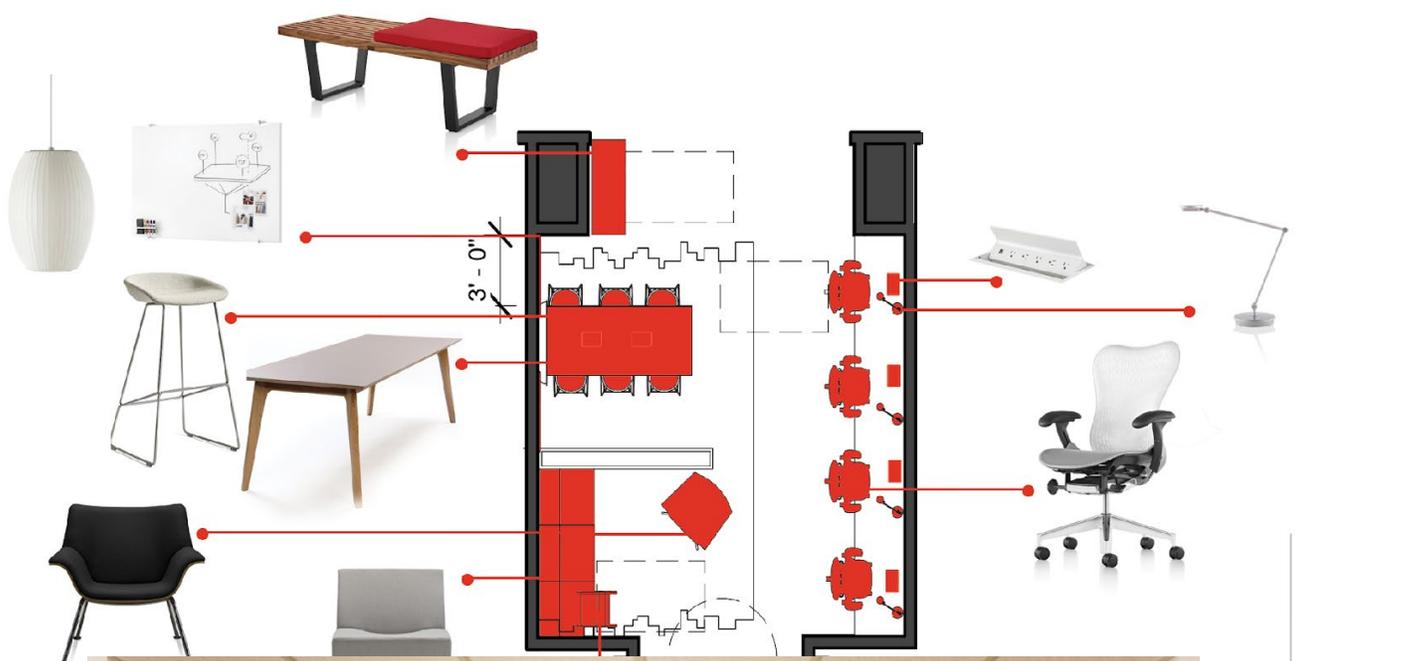
Upon observing the current space and interviewing some of the students, our team was able to learn useful insights into why students were using the space and what more they wanted out of it. Over the course of our observation, the space remained crowded ranging from 9 to 16 people.

The space currently contains one countertop in the back alcove and two long tables along the sides of the space with desktop computers on them. As a result, an issue that continued to arise was people using their own devices while sitting at a provided computer. We believed this to be a result of the fact that the technology free workspace was somewhat hidden in the back while the front tables with computers were on display and seemed more convenient. Even then, only one or two people were using the provided technology at a time, and when they were it was mostly just for printing purposes.

We also noticed very little collaboration between students, which may be a product of the current layout as every single chair in the space faces a wall at the moment. Despite this fact, many students interviewed stated that they would love to be able to use this space more effectively for collaborative projects because of its convenient location relative to their other classes. While collaboration certainly needs to be increased, solitary work zones are still vital to the space. Many students use the space to study alone and value that time, and as a result the space will require a balance of zones that encourage various levels of collaboration as well as solitary work. How might we be able to accommodate the needs of students for both individual and collaborative work?

VISION

The informal learning space will become a well-recognized flexible and innovative hub for students to congregate between classes for individual, small group, or collaborative study. This will be achieved by creating purposeful settings that are adaptable, social, stimulating, healthful, resourceful, and sustainable. This room will be widely known as the “Bell Lounge” with a modern take on the “Cream and Crimson” color scheme. It will fulfill the need for an innovative, convenient, and accessible location on campus that offers a variety of study environments for students. This specifically includes: individual haven work stations with ergonomic task chairs and lighting; a landing bar height table for brief individual work or breakout collaboration between classes; a small plaza that provides comfortable seating and the opportunity to gather; and finally a cove conference table in the naturally lit bell tower that is conducive to group work for short or extended periods of time. The Bell lounge will propel students forward by providing access to technology and power, without unnecessary computer stations. It fosters wellbeing and positive student health by encouraging movement through the variety of Herman Miller workspaces. The Bell Lounge will become an integral part of student life on campus.





Bell Lounge Perspective

DESCRIPTION

In our furniture arrangement we decided to be strategic about breaking up the central walkway. In the original space, there are no furnishings obstructing the middle of the rooms, and we determined that this made it awkward to move through. We placed a bar-height table and stool arrangement towards the front entrance of the room so people can be immediately greeted into the space. The table breaks up the original pathway of walking straight down the middle of the room, making the space more inviting. We also intended this space for people who decide to quickly come and sit before class, but also for people who need to collaborate or work together in groups. We chose to use the Dalby table with oak legs and a white MDMFP countertop to maintain the continuity of wood throughout the space. Since this area would take up a considerable amount of visible space when looking towards the room, we decided to use the About A Stool chair by Hay because it has thinner legs, stretchers, and a shorter back. This would allow people to see through under the table more to make it feel less like a wall or obstruct the view of the holistic space. The stool is also upholstered for a more comfortable experience. For lighting, we decided to add a row of Nelson Cigar Bubble Pendant lights to fill the empty space above the table and provide adequate lighting. To make collaboration in this space more efficient, we also used wall space to add Herman Miller Glass White Boards that students can use to help them study.

After the site analysis, we decided to designate an area for individual workspace. Most of the people who were in the space during the analysis were using personal devices, eliminating the need for desktop computers. We decided to leave empty counter space for those using their own individual laptops. We used the Mirra 2 chair by Herman Miller because it would be more comfortable and ergonomic. It is an adjustable chair with a mesh seat and back that is favorable for people sitting down for long amounts of time. We also thought this chair would appeal to our modern aesthetic of the room. The space also incorporates the Tone Personal Lights for task lighting as each individual student would need to study. We added task lighting because this area is away from natural light and would require more comfortable and ergonomic lighting to increase productivity. We also added the Logic Grommet Mounted outlet for student's convenience and efficiency. Lastly, we added individual Ubi Bag Hooks for students to hang their belongings instead of leaving it on the floor making the space look cluttered.

For the alcove area, we decided to dedicate this area to a more collaborative working space for groups who are going to be studying for longer amounts of time. We thought this space would be better for a permanent working area because it is deep into the space and requires the most travel space to get to. The historical element of this particular space was a determining factor for our furniture choices. We chose to incorporate furniture that had more wood and a less modern look. We decided to use the Dalby table in a dark walnut accompanied by the armless Nessel Lounge chair. The wooden legs would be consistent with

the wooden Dalby table and upholstered seat and back would provide more comfort. For lighting we decided to incorporate the Nelson Saucer Bubble Pendant light to maintain consistency with the Nelson Cigar Bubble Pendant in the bar-height area. For window treatment, we incorporated the SheerWeave Oyster/Beige shades by Draper, which are the standard shades used by Indiana University.

In the original design we felt that there was not a lot of variety of spaces for students to choose from, thus we decided to add a lounge area for students to be able to spread out and relax. We chose the Herman Miller Modular Swoop furniture because of its comfortability and flexible design. We wanted the lounge space to feel as open and unrestrictive as possible, so we placed the modular seating up against the wall with a freestanding lounge chair as well. We also added the Eames Molded Plywood coffee table to be a convenient place for students to place their things when they sit down. In order to define this lounge area and give more privacy, we added a planter that would create a partition between the lounge area and the bar-height area.

For additional accessories outside of Herman Miller, we wanted to provide more audio and visual usage in the collaborative bar-height space. We included a 43-inch Samsung television on the wall side of the table for students to connect their computers to or use for collaboration with group work.

Wall Treatment and Flooring Selections were made to remain consistent with the vision of creating a comfortable and collaborative environment inspired by Indiana University's color scheme. A variety of material create a stimulating space that encourages innovation, wellbeing, and connection to the building. The overall aesthetic is a neutral palette with IU's Crimson woven through. This is created by specifying a modern white wall paint, neutral 2'x2' acoustic ceiling tiles, grey Interface carpet, and light grey baseboards. Visual interest is then layered in with a neutral patterned wallcovering (Maharam Burst), a limestone accent wall and planter, and an Armstrong grey suspended metal ceiling. Crimson is woven through in three strategic ways: furniture, wall paint, and carpet specification. A red Interface carpet is used under the suspended ceiling for zoning and to lead students into the space by creating a well-defined comfortable work area. A vertical stripe of crimson paint is used in the entrance to catch student's attention from the adjacent hallway and notify them of the lounge's presence. The back wall of the Bell Tower is additionally painted crimson to circulate students into the space and indicate the significance of the historic bell tower. A custom graphic of the bell tower is used in the entrance as well as on the limestone accent to give the space an identity and to make it a recognizable destination on campus.

ITEMIZED EXPENSES

FROM HERMAN MILLER CUSTOM CATALOG

ITEM	QUANTITY	COST
Dalby 6 Leg Table 2800 Walnut Top Walnut Leg \$8310	1	\$8,310.00
Dalby 6 Leg Bar Height Table 2800 White MFMDf with Oak Leg \$7598	1	\$7,598.00
About A Stool , Maharam Brio Fabric Upholstery \$573.00	6	\$3,438.00
Swoop Armless Chair A103 , Maharam Abacus Fabric Upholstery \$1,371.00	3	\$4,113.00
Swoop Plywood Lounge Chair AO22 , Maharam Abacus Fabric Upholstery \$2,086.00	1	\$2,086.00
Nessel Chair , Walnut Leg Aristo Pewter Fabric Upholstery \$1,529.00	8	\$12,232.00
Mira 2 Chair , Butterfly Suspension Back, Fog with Studio White Frame \$964.75	4	\$3,859.00
Riley Table , Oak \$1,163.00	1	\$1,163.00
Nelson Cigar Bubble Pendant , Small \$476.00	3	\$1,428.00
Nelson Saucer Bubble Pendant , Large \$672.00	1	\$672.00
Tone Personal Light , Silver \$284.75	4	\$1,139.00
Logic Grommet Mounted Power Outlet , 5 Receptacles White \$306.00	6	\$1,836.00
Glass White Board , Y7232 \$1,670.00	2	\$3,340.00
Ubi Bag Hook , \$20.40	4	\$81.60
Maharam Wallcovering , Burst \$43.00 Per Yard	20 Yd	\$860.00

Total (Maximum \$80,000)		\$52,155.60
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ADDITIONAL ELEMENTS

ITEM	QUANTITY	COST
Samsung 43" Television \$499.99	1	\$499.99
Senju Fire Sprinkler 5.6K Extended Coverage Concealed Pendant QR 162F \$27.95	6	\$167.70
SIMPLEX Multi-Candela Horn Strobe, Red \$150.00	1	\$150.00
SIMPLEX Manual Pull Station \$89.75	1	\$89.75
Total (Maximum \$5,000)	-	\$907.44