ASSIGNMENT-1

DESIGN A STUDY TABLE FOR YOUR FRIEND

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DESIGN THINKING

A PROCESS THAT SEEKS TO SOLVE COMPLEX PROBLEMS BY APPROACHING IT FROM THE USERS PERSPECTIVE

FIVE STAGES OF DESIGN THINKING

- EMPATHIZE
- DEFINE
- IDEATE
- PROTOTYPE
- TESTING

In this assignment,we designed a table adhering to the 5 stages of design thinking.

We framed the problems statements and brainstormed a couple of solutions to build the table .

Then, we designed the final look of the table by holding a meeting and discussing it's pro's and con's.

STAGE #1

"EMPATHIZE"

- At this stage in the design thinking methodology, designers sit down with real people and absorb their points of view, world, and introspections without bias.
- When designing a product or service, empathy in design thinking builds a crucial and necessary bridge between the target user or audience and the product, project, or service being designed.
- Some steps that are often taken during this stage of the design thinking methodology are:
- Consulting subject matter experts about their insights
- Engaging more personally with an issue to gain a better understanding of a user's POV
- Having in-depth conversations about the topic with other designers
- Immersing oneself in a physical environment
- The empathy stage is a crucial moment in the design thinking journey, Without the empathy stage, truly solving a user problem is nearly impossible.

IN THIS STAGE , WE

dicussed together on call, what the person would want in a study table , and what are the challenges we have to solve in order to make it comfortable for the person.

STAGE #2

"DEFINE"

- During the Define stage, we put together the information you have created and gathered during the Empathise stage.
- This is where you will analyse your observations and synthesise them in order to define the core problems that you and your team have identified up to this point.
- We should seek to define the problem as a problem statement in a human-centred manner
- The Define stage will help the designers in our team gather great ideas to establish features, functions, and any other elements that will allow them to solve the problems or, at the very least, allow users to resolve issues themselves with the minimum of difficulty.
- In the Define stage we will start to progress to the third stage, Ideate, by asking questions which can help you look for ideas for solutions by asking: “How might we... ?”

IN THIS STAGE , WE

brought together all of the challenges and came up with a problem statement , which was " to create a study table with all features and one that saves a lot of space ".

STAGE #3

"IDEATE"

- Ideation is the creative process of generating, developing, and communicating new ideas, where an idea is understood as a basic element of thought that can be either visual, concrete, or abstract.
- Ideation comprises all stages of a thought cycle, from innovation, to development, to actualization.
- Ideation can be conducted by individuals, organizations, or crowds. As such, it is an essential part of the design process, both in education and practice.

ideate verb

Save Word

ide·ate | \ ˈī-dē-ˌāt \

ideated; **ideating**

Definition of *ideate*

transitive verb

: to form an idea or conception of

intransitive verb

: to form an idea

IN THIS STAGE , WE

searched the internet to get some nice ideas. Mostly we used pinterest and we again met on a call and discussed which one each prefers and why ? Then after a session of active brainstorming ,we concluded a foldable murphy table which had all necessary feautures built for the users needs.

STAGE #4

"PROTOTYPE"

- Prototyping is an experimental process where design teams implement ideas into tangible forms from paper to digital. Teams build prototypes of varying degrees of fidelity to capture design concepts and test on users. With prototypes, you can refine and validate your designs so your brand can release the right products.

The advantages of prototyping are that you:

- *Have a solid foundation from which to ideate towards improvements
- *Can adapt changes early
- Show the prototype to your users so they can give you their feedback to help pinpoint which elements/variants work best and whether an overhaul is required.
- *Have a tool to experiment with associated parts of the users' needs and problems
- *Provide a sense of ownership to all concerned stakeholders
- Improve time-to-market by minimizing the number of errors to correct before product release

IN THIS STAGE , WE

asked one of team member to draw out our idea and asked a few people to know if the idea was good enough and practical . After this we officially completed our design.

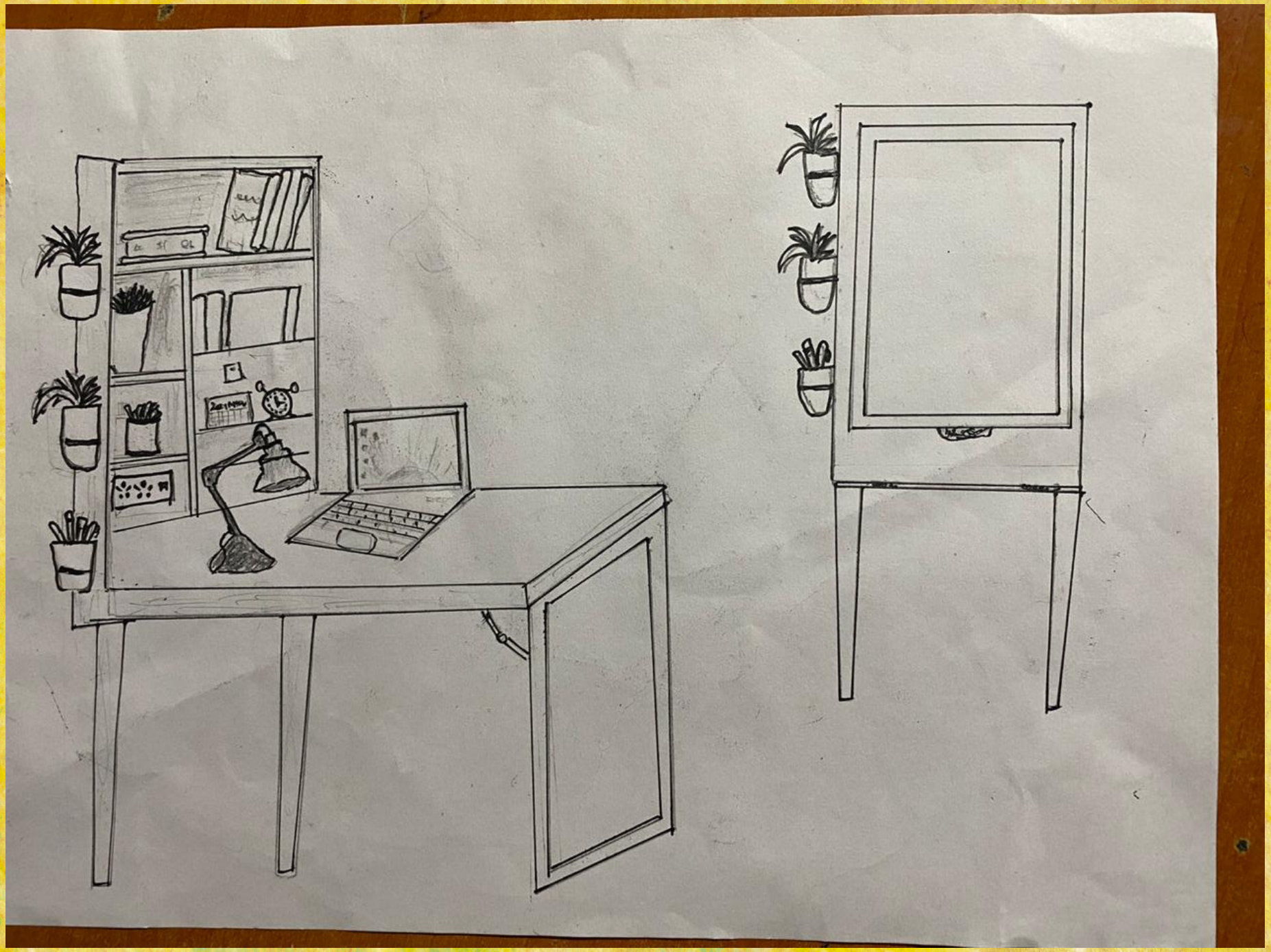
STAGE #5

"TESTING"

- In design testing, users are presented with a visual stimulus, for example, a prototype or image of your digital product. It’s not enough to find out whether users simply “like” or “dislike” your design because this doesn’t tell you which brand characteristics users associate with your design.
- You must use a structured approach, i.e., proven design testing methods that garner first impressions. These testing methods include a 5-second test, or a set of open-ended questions to gain deeper insights into what users think your design represents.
- Use design testing to gauge users' first impressions, which are super important. For instance, it takes users just 0.05 seconds to form an impression of the visual appeal of a web page.

IN THIS STAGE , WE

couldnt do much of testing, because it might have to be made in real life or created in a software, both of which we couldnt do. But on the basis of design thinking and our users needs, our design seemed pretty good for a smart and modern study table..



OUR DESIGN

So, this is our study table design.It looks fancy,but its simple to use and quite smart.First of all , the user asked us for a table that can save her room space. So we thought of designing a table that extends and retracts .But she also demanded that it be less heavy.So we have to think of a simpler alternative.And thus, we came across this design in pinterest where the shelf folds down as a table .The mechanism is square hinges that also make the legs stay in place . Everything is made of solid wood , so its pretty strong .We also added spring mechanisms which cant be spotted,but they help in preventing any sudden falls when the hinge is in use . In simple words the table base wont fall on anyones face while opening and create a chaos . And also our team member suggested that we add some plants to the decor,which was a healthy idea and the side of the shelf was such a good spot for the plants to hang around and not create a mess on the table . Then we FIXED an extension box setup to a part of the shelf , because we all know how annoying extension boxes and their wires can be !. So that was another smart solution. Overall, this table is an investment to anyone who is having a hard time with room space and desperately needs some fresh air .