

Write up a short "brief" that clarifies the challenge you'd like to address. Write it as if you were handing it to someone else to design with. Capture thoughts on why this is a problem, and what the opportunity for design will be.

In the Library, currently used software (Easylib version 6.2a) is not efficient in sending mails to the students regarding book return and payable fine amounts. Librarians find it difficult to calculate the number of days student has delayed in returning the book. (If the student returns the book right after the holiday without even single day delay then his holiday fines would be waived off), rather the student has to pay holiday fees. So, the probable solution would be to design a interface in which librarian can enter book submission date and book return date. So, after 15 days it should be able to start fine calculations and it will end on the day, the student returns the book (except holidays).

DESIGN THINKING WORKSHEET

Hello Designers!

Whether this is your first design project or your fiftieth, you are taking a brave step to address challenges in your community by designing new solutions that build from people's needs and desires. Exciting! This workshop is meant to help you structure your process and capture your thoughts.

Lets begin with Phase 1 of Design Thinking!

Who is your client?

Asst. Librarian (Shardha)

Lets understand!

Finding opportunities for design often begins by noticing problems. Sometimes it comes out as wishes ("I really wish I had"). Sometimes it comes out as complaints ("It annoys me that we're not...") Either starting point is fine.

Define your challenge.

It annoys me that we are not able to calculate proper amount for fine payment for late returning of the books by the students.

I really wish we had some software which brings more clarity in fine payment amount calculations (excluding holidays).

Lot down 3 root causes that prompts your challenge.

- 1) Failure of current used software in the library in delivering the email to the students.
- 2) Lack of library automation
- 3) Errors in calculating fines excluding holidays and fests for fine payment which depends on book return date.

TIP

Keep the challenge simple and optimistic. Make it broad enough to allow you to discover areas of unexpected value, and narrow enough to make the topic manageable.

NOTES

Write a Brief

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Now that you've narrowed down the challenge, it's time to start to contemplate on a solution. Brainstorm, ideate & propose a exploratory solution.

The solution for these problem is to build or develop a interface which takes ^{book issuing} submission date as input for particular student and stores it in its students dat library database. It calculates returning date of the book by the student. (by adding 15 days to the issuing date). Then sending reminder to the students regarding submission date & return date of the book. Suppose if student misses the return date, then for each day, student must be notified by the software by sending sms or e-mail for returning of the book to the library. So that student might not forget the returning of the book & keep the book with themselves for long period of time. Suppose if holidays come in between the return collide with return date, student must return the book immediately after the holiday (holiday fine will be waved off). By this, there will no confusion & student will not forget to return the book to the library.