

Ideation Phase

Define the Problem Statements

Date	24-10-2023
Team ID	NM2023TMID03178
Project Name	Blockchain Powered LibraryManagement

Customer Problem Statement Template:

I am	I am trying to	But	Because	Which makes me
dedicated librarian	implement cutting-edge solutions	I face challenges	limitations of existing systems	feel enhance data security, transparency, and operational efficiency

IDEATION PHASE

Says

What have we heard them say?
What can we imagine them saying?

Thinks

What are their wants, needs, hopes, and dreams?
What other thoughts might influence their behavior?

Blockchain Powered
Library Management

learning how to
use blockchain
technology for
library
management

exploring the
new features
enabled by
blockchain

setting up
and
maintaining
blockchain
infrastructure

concerns about
the security and
integrity of
library records .

Evaluation
the technical
aspects of
block chain
integration.

Wondering
about the
benefits of
block chain for
library services.

excitement about
the potential for
improved record
keeping and
transparency

hopeful for
improved
access to
library
resources

concerned
about the
complexity and
potential
technical issues

training and
support for
blockchain
implementation

user -friendly
interfaces
technical
training and
support

cost -
benefit
analysis

Does

What behavior have we observed?
What can we imagine them doing?

Feels

What are their fears, frustrations, and anxieties?
What other feelings might influence their behavior?

[See an example](#)



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 10 minutes to prepare

🕒 1 hour to collaborate

👤 2-8 people recommended



Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

A

Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B

Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

C

Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →

1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

PROBLEM

How might we [your
problem statement]?



Key rules of brainstorming

To run an smooth and productive session



Stay in topic.



Encourage wild ideas.



Defer judgment.



Listen to others.



Go for volume.



If possible, be visual.

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

TIP



You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Person 1

use blockchain to create a decentralized catalog of library resources

Blockchain ensures that once a book is added to the library's collection, the record is immutable, reducing the risk of data manipulation

Integrate blockchain to manage digital rights for e-books, ensuring that only authorized users can access and borrow digital materials

person 2

Store digital assets in a decentralized manner using blockchain

Implement smart contracts to facilitate the borrowing and return of physical and digital books

Create a token-based reward system for active library users

person 3

Blockchain can streamline interlibrary loans by securely recording and sharing information between libraries

Use blockchain to ensure the long-term preservation of digital resources

Blockchain can enhance the privacy of user data and transactions

person 4

The transparent nature of blockchain can build trust between the library and ratings to help users discover new content

Implement a blockchain-based system for crowdsourced book reviews and

Use blockchain to track and manage intellectual property rights for authors and publishers

integrate blockchain to manage digital rights for e books, ensuring that only authorized users can access and borrow digital materials

Create a token - based reward system for active library users

Use blockchain to track and manage intellectual property rights for authors and publishers

The transparent nature of blockchain can build trust between the library and ratings to help users discover new content

Blockchain can streamline interlibrary loans by securely recording and sharing information between library

Implement smart contracts to facilitate the borrowing and return of physical and digital books

Blockchain ensures that once a book is added to the library's collection, the record is immutable, reducing the risk of data manipulation

Use blockchain to ensure the long - term preservation of digital resources

4

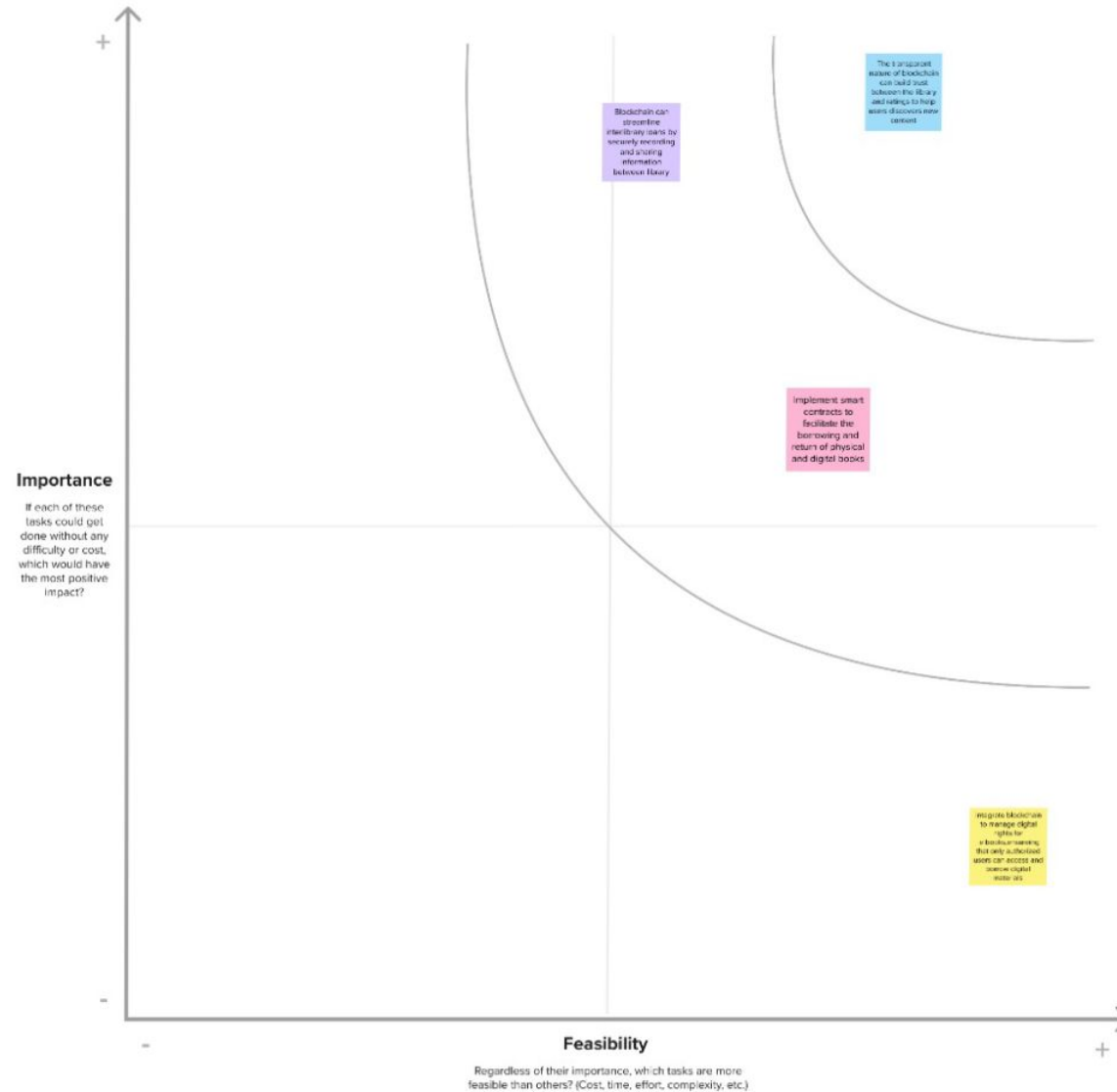
Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.






After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

- A Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

-  **Strategy blueprint**
Define the components of a new idea or strategy.
[Open the template →](#)
-  **Customer experience journey map**
Understand customer needs, motivations, and obstacles for an experience.
[Open the template →](#)
-  **Strengths, weaknesses, opportunities & threats**
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
[Open the template →](#)

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