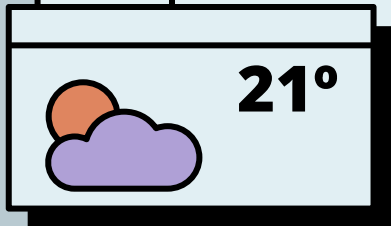
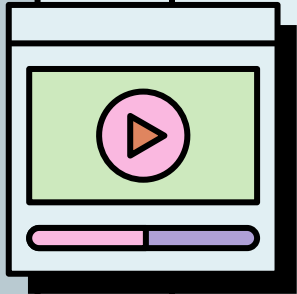
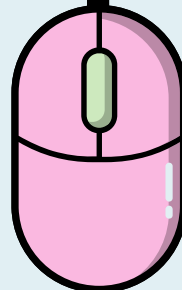


Hack The Future



Ideation Workshop, Jan 20 (11 am-12 pm)





Ideation Workshop



01 What is ideation?



02 How to ideate

03 Brainstorming activity 1 & example

04 Brainstorming activity 2

01

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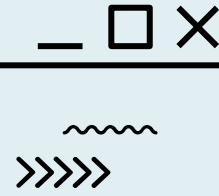


**Ideation =
coming up with an
idea + planning**



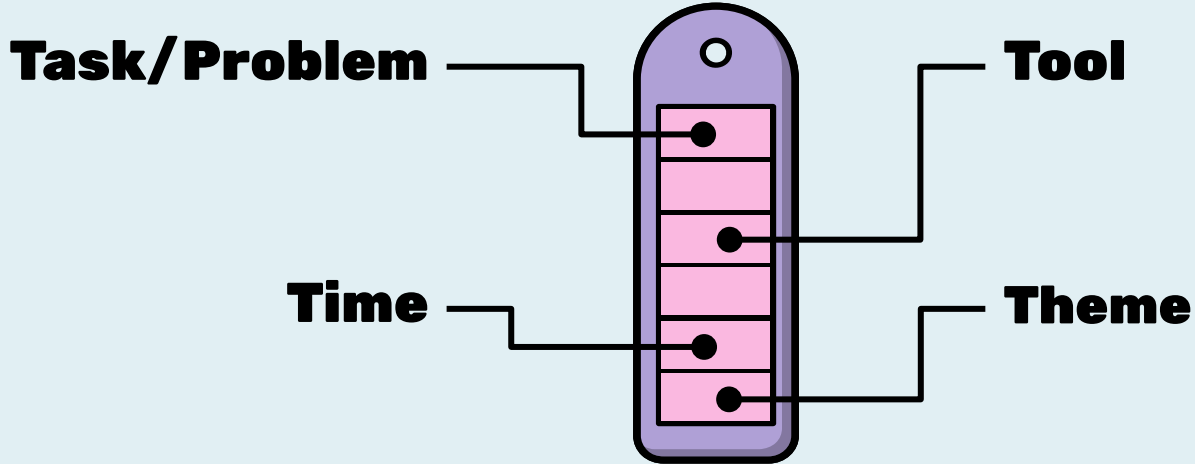
Why is ideation important?

- Learn **how to plan**
- Gives **structure** to project and brings those ideas to life
- Allows **creative thinking**
- Practice **communicating** ideas
 - Give and receive **feedback**
 - Allows for **improvements**
 - **Collaboration**



Ways to brainstorm ideas using the 4 T's

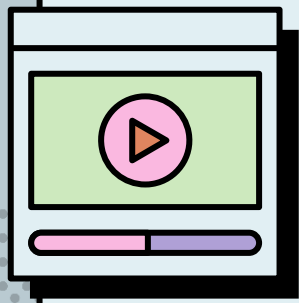
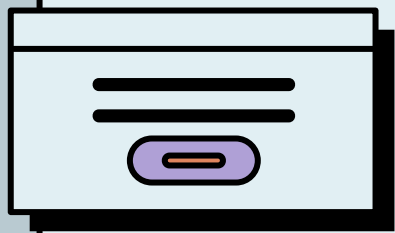
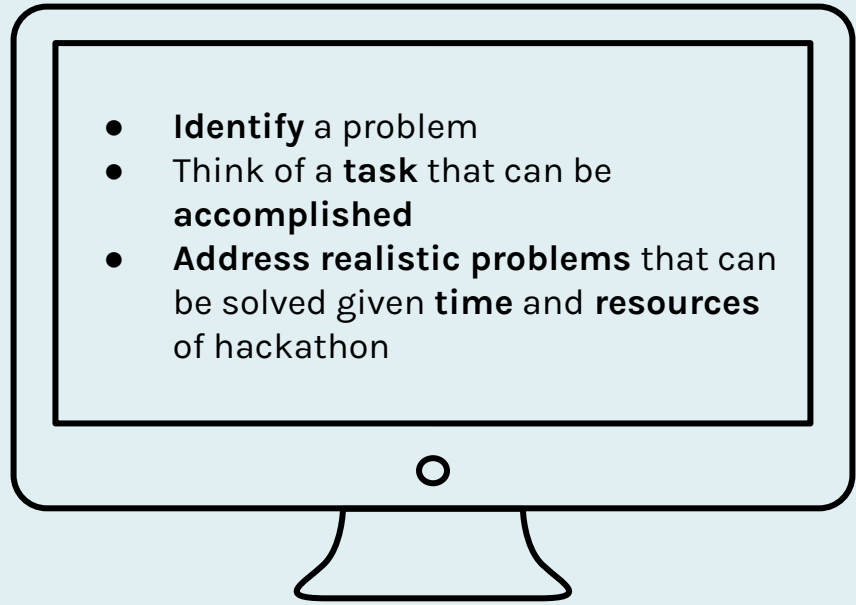
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- Start with one of the 4 approaches
- Build onto any of the next T's
- Use all 4 as a foundation

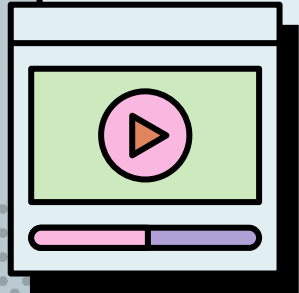
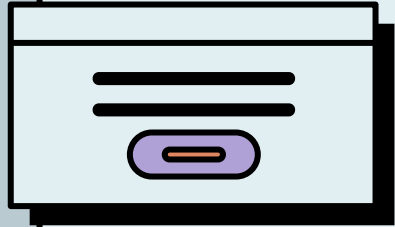


Task/ Problem



Tool

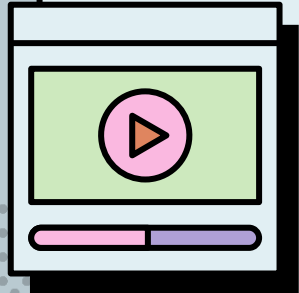
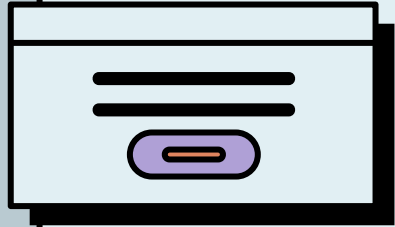
- Find the **best fit tool** based on the problem
- Discuss the **tools/ programming languages** team members are **familiar with**
- Encourage **exploring new tools** and **broadening skill sets**



Time

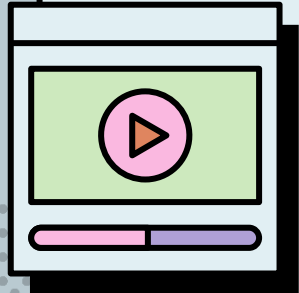
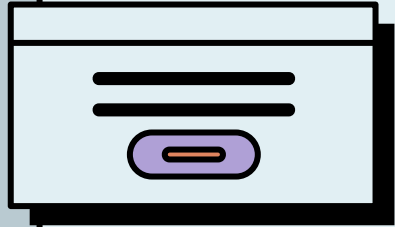


- Start with a **simple idea**
- Is the workload **manageable**?
- Is the solution **realistic**?
- Make **achievable** goals
- Be **mindful** of the **time** given



Theme

- Gain an **understanding** of the theme
- **Draw connections** to the theme
 - From social, environmental, or technological aspects
- Make solutions **relevant** and **impactful**





Brainstorming tips:



Stay open-minded and build on each others' ideas

Align your ideas with the criteria of the hackathon prizes

Use mind maps to explore and connect your ideas to the theme, related concepts, and provided tools

There is no right or wrong way to brainstorm ideas

Listen to your team & be open to giving and receiving feedback

Seek guidance and ask questions to mentors and event organizers

Use the 4 T's as a checklist to plan and stay organized

Start with a simple problem by focusing on manageable problems (ensure project is realistic and achievable)





“What if” activity



1.

What if students faced challenges in staying organized with their assignments and schedules?

2.

What if teachers wanted to gamify the learning materials for elementary students studying mathematics?



.....

Example



What if...

What if when my friends and I go out to eat, we can never decide what to eat, leading to indecision and wasted time?

Hypothetical theme:

Incorporate the word "idea" or one of the letters somewhere in your project

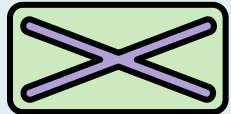
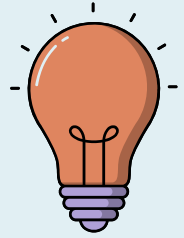
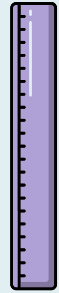
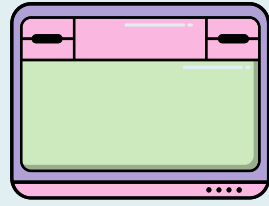
Task/ Problem	Wasted time deciding what to eat with another person or with a group of people
Tool	Since I want to create a mobile app, I will use Thunkable
Time	Problem is simple and realistic: program helps users decide and not waste time
Theme	App name: What to eat?

Solution:

Help friends decide what to eat by creating a mobile app where each friend swipes left (don't want to eat) or right (would like to eat) on different cuisine categories and the program will find the best fit category for the group.

Now it's your turn!

- In your breakout rooms, come up with a “What if”
- Use the 4 T's as a checklist to create a plan
 - Answering the 4 T's is planning
- Come up with a solution
- Hypothetical theme: “I for idea”
 - Incorporate the word “**idea**” or one of the letters from the word somewhere in your project
 - Eg.
 - App name uses **idea** in it
 - program that **identifies** breed of dog given its picture





Upcoming workshops



Click "Sign up" to go to the registration links for the workshops

PYTHON BASICS

Date: Jan 27, 2024
Time: 10:00AM - 12:00PM (PST)

[Sign up](#)

TURTLE GRAPHICS IN PYTHON

Date: Feb 3, 2024
Time: 10:00AM - 12:00PM (PST)

[Sign up](#)

MOBILE APP DEV

Date: Feb 10, 2024
Time: 10:00AM - 12:00PM (PST)

[Sign up](#)

INTRO TO HTML/ CSS

Date: Feb 24, 2024
Time: 10:00AM - 12:00PM (PST)

[Sign up](#)

MACHINE LEARNING FOR KIDS

Date: Mar 2, 2024
Time: 10:00AM - 11:00AM (PST)

[Sign up](#)

HOW TO PRESENT YOUR PROJECT

Date: Mar 2, 2024
Time: 11:00AM - 12:00PM (PST)

[Sign up](#)

