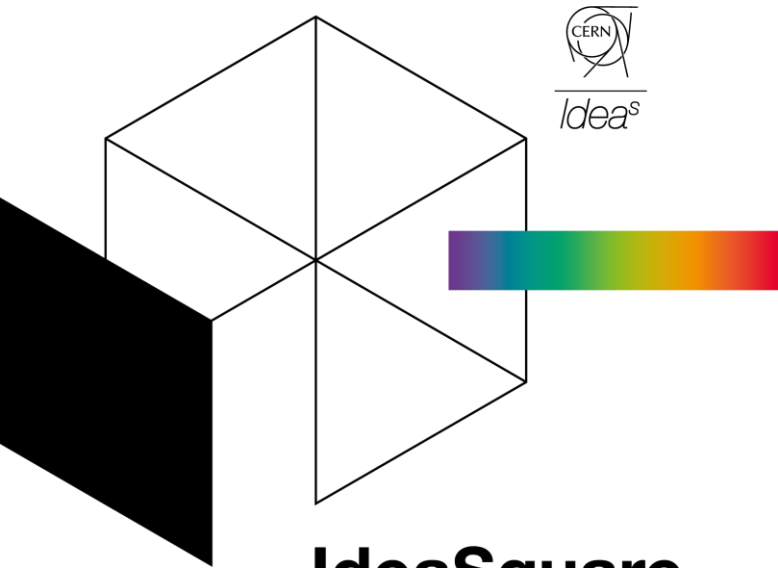


# IdeaSquare Open Doors

15 and 16 February





**IdeaSquare**

The innovation space at CERN

# SDGInnProgress

Capture Your Innovation Process

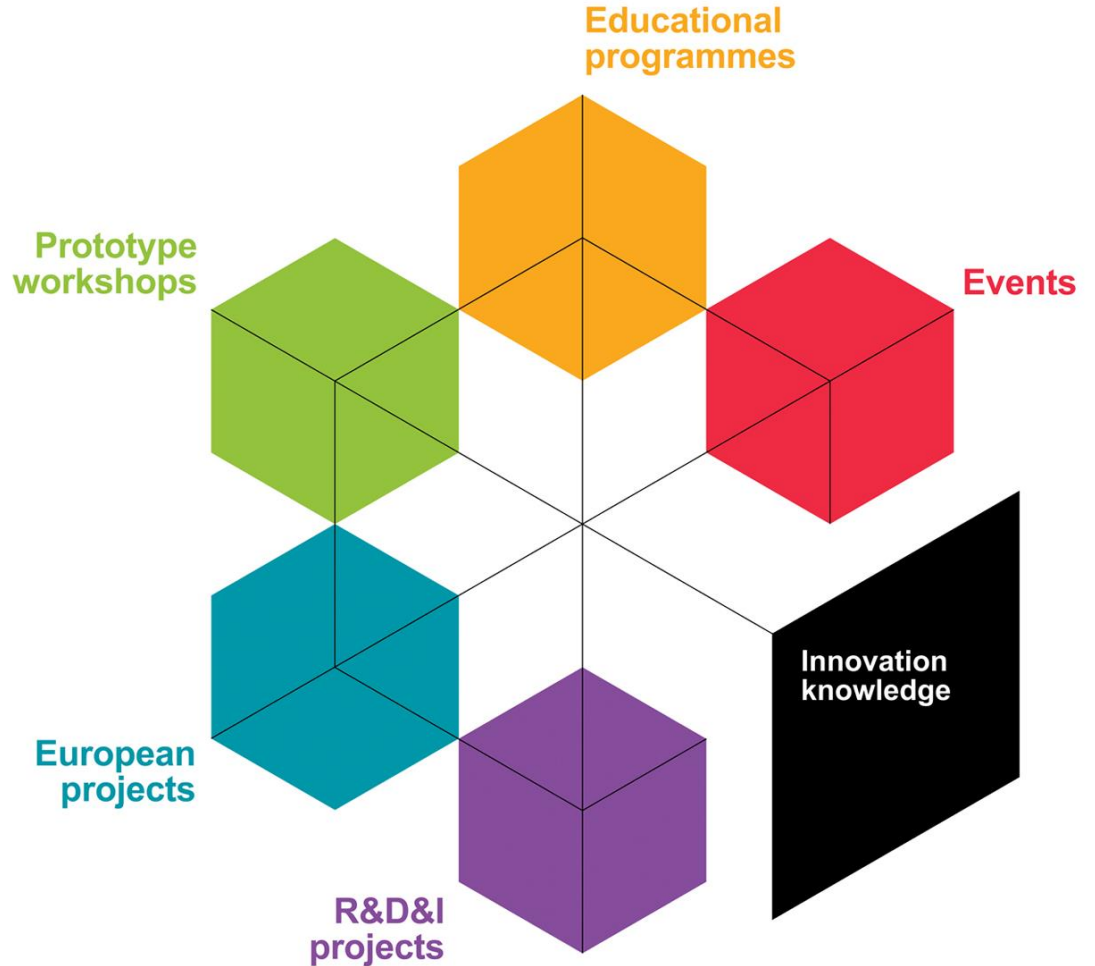
Oday Darwich  
Innovator in Residence  
[Oday.Darwich@cern.ch](mailto:Oday.Darwich@cern.ch)

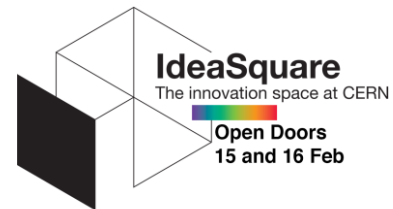
Feb. 16, 2023

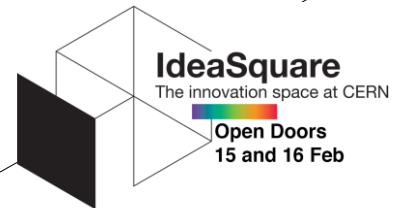
# SDGIInnnProgress

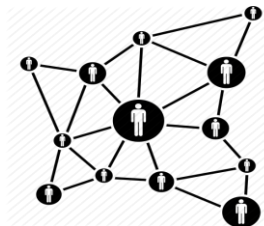
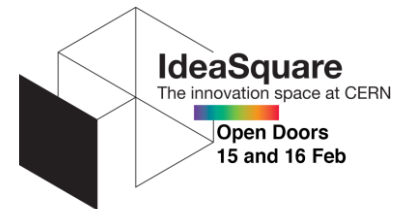
## Capture Your Innovation Process

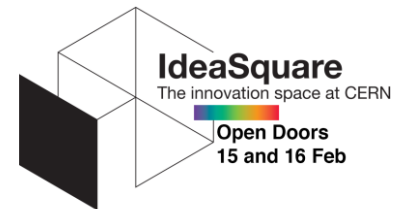
- Why InnnProgress
- How it works
- Impact of AI on documentation
- Future perspectives





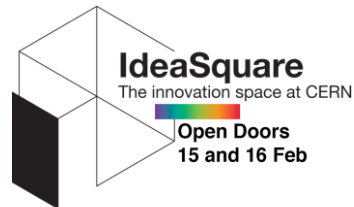
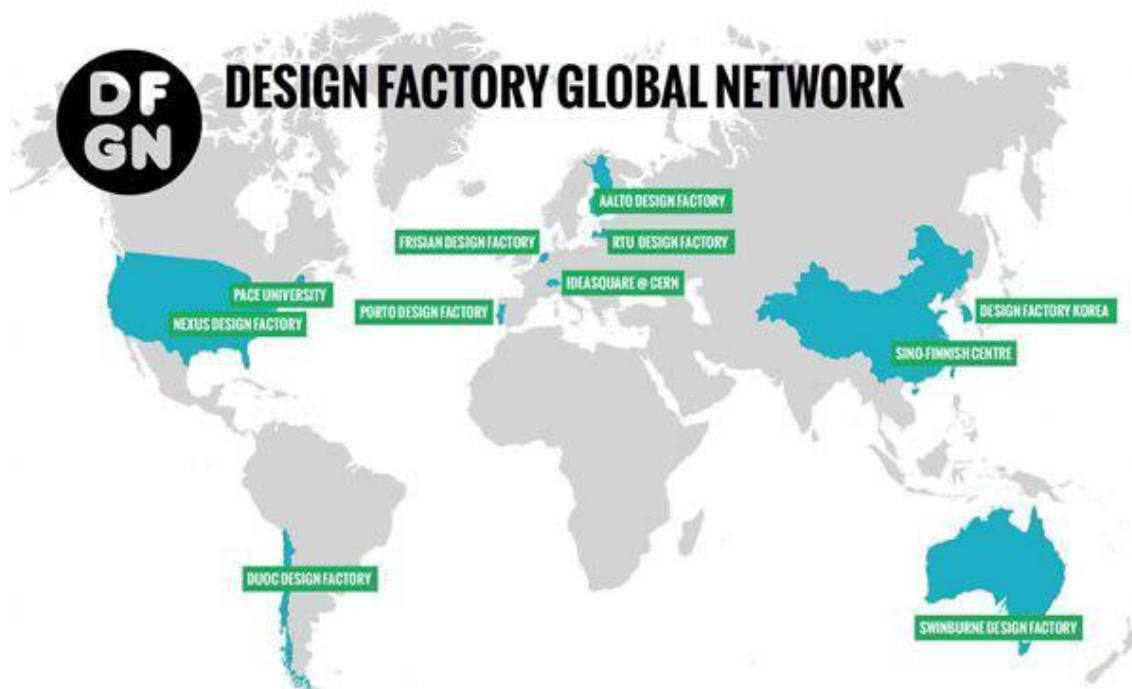








# DESIGN FACTORY GLOBAL NETWORK







#Engineers

#Hackers

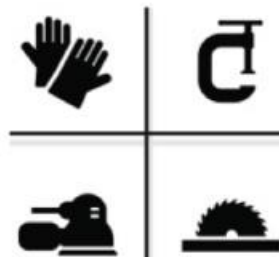
#Designers

+



#Weekend

+

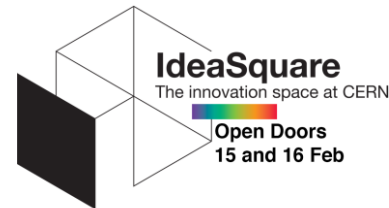


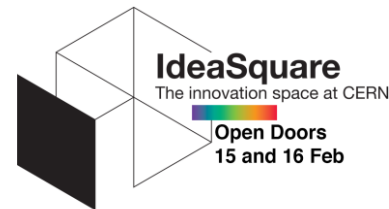
#Bootstrap  
#Prototyping

=



#Prototypes  
#New ideas  
#GreatSouveniris

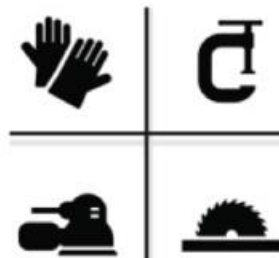




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#Engineers

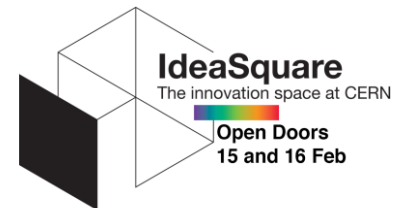
#Hackers

#Designers

#Weekend

#Bootstrap  
#Prototyping

#Prototypes  
#New ideas  
#GreatSouveniris



#Weekend

+

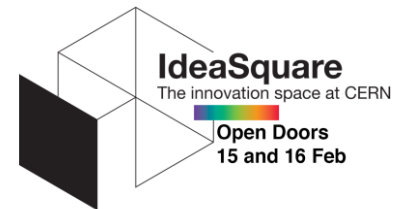


#Bootstrap  
#Prototyping

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#Prototypes  
#New ideas  
#GreatSouvenirs

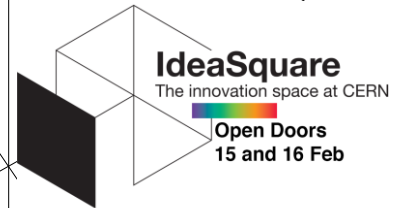


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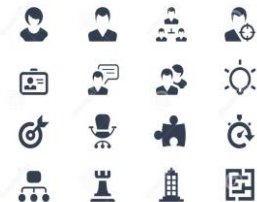
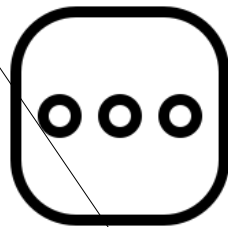
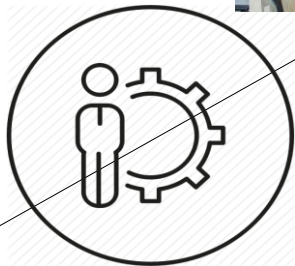


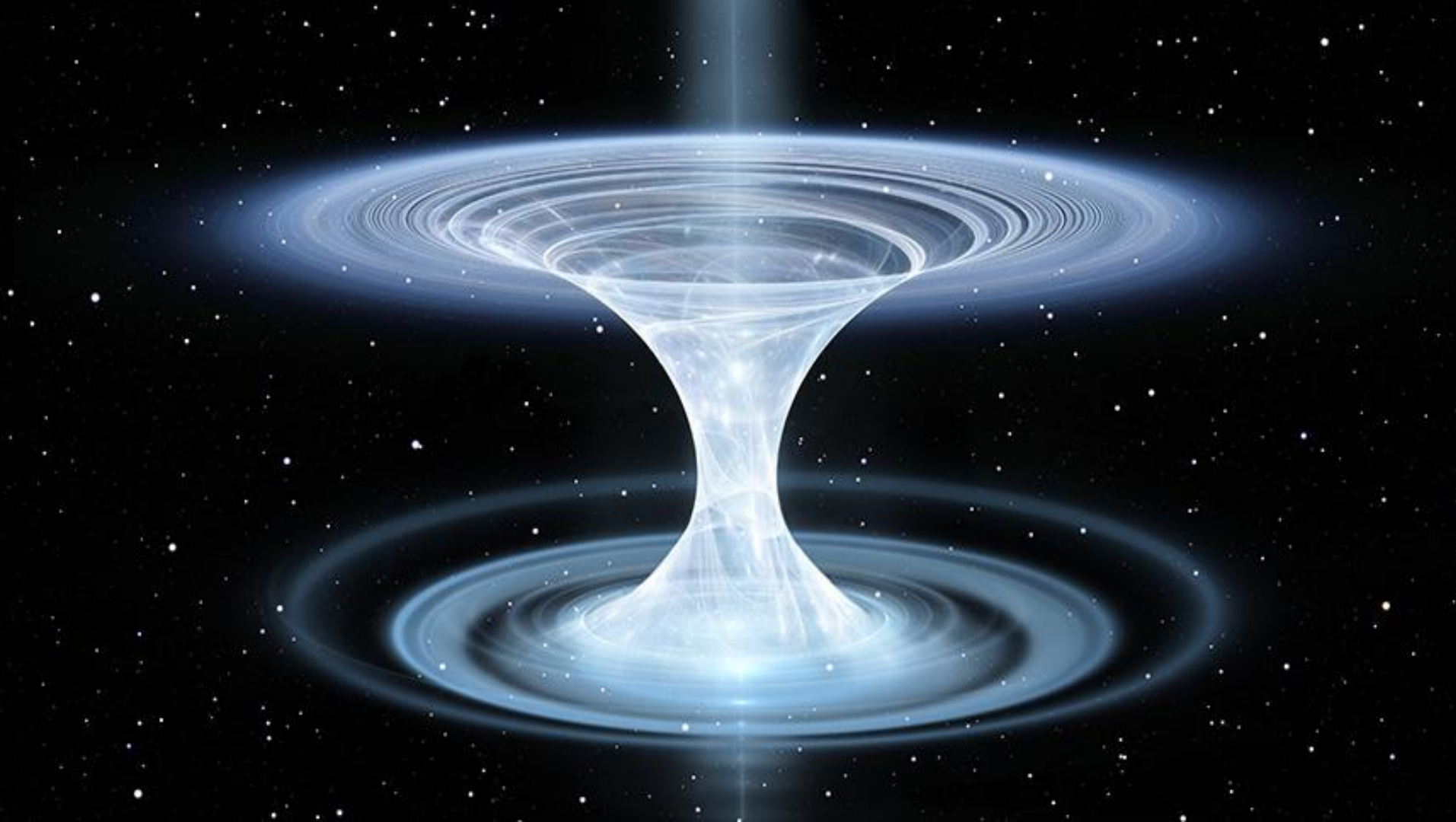
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#Prototyping

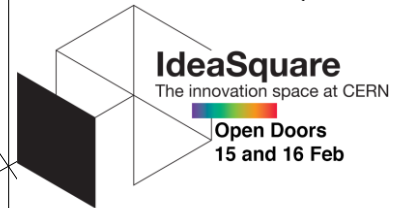
#Prototypes  
#New ideas  
#GreatSouvenirs



#GreatMemories

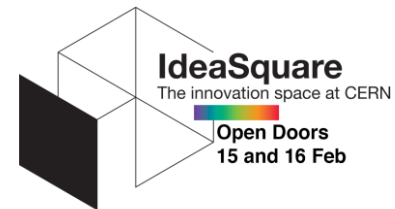






#GreatMemories



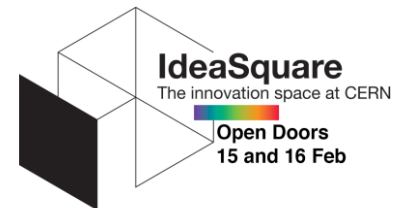


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#Bootstrap  
#Prototyping

#Prototypes  
#New ideas  
#GreatSouvenirs



#Weekend

+



#Bootstrap  
#Prototyping

=



#Prototypes  
#New ideas  
#GreatSouvenirs



#Engineers

#Hackers

#Designers

+



#Weekend

+

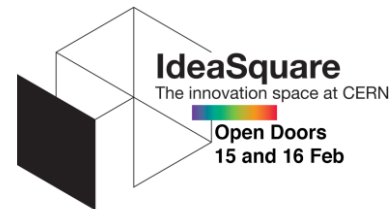


#Bootstrap  
#Prototyping

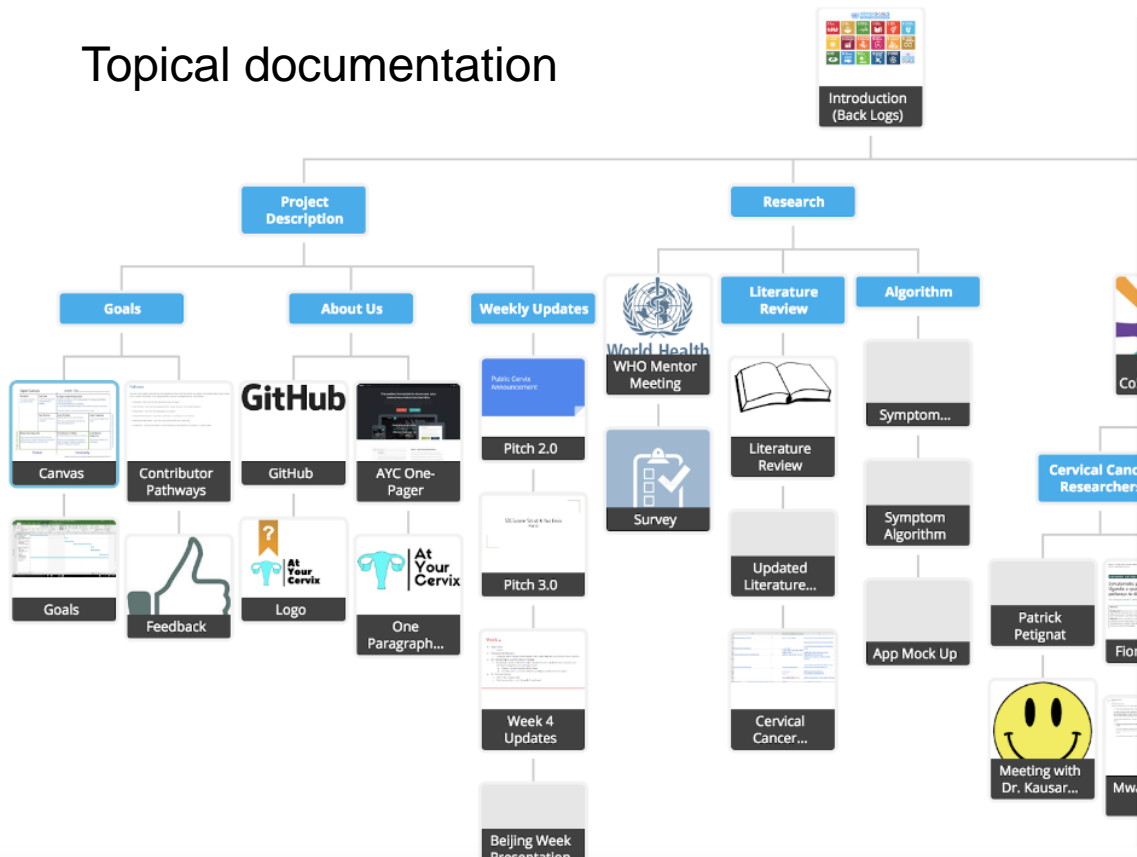
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#Prototypes  
#New ideas  
#GreatSouveniris



# Topical documentation



AT YOUR CERVIX >> CANVAS

<b>Problem</b> The top 1-3 problems you want to solve	<b>Solution</b> Outline your proposed solution for each problem	<b>Unique Value Proposition</b> A clear message that states <u>what you offer</u> and <u>why you are different</u> . Can be derived from: 1. The main problem you are solving 2. The finished story and benefits users will have by using your product Example: Square - start accepting credit cards today	
<b>Key Metrics</b> How will you measure success?	<b>User Profiles</b> Target audience and early adopters Who are you building this for? Who will your early adopters be?	<b>User Channels</b> List how you will gain new users	
<b>Resources Required</b> What do you need to build an MVP (minimum viable product)? Design, Development, Expertise, Hardware requirements and other costs		<b>Contributor Profiles</b> Contribution types and ideal contributors What do your contributors look like? Be sure to include the different expertise you outline in "Resources Required"	<b>Contributor Channels</b> List how you will gain new contributors

Canvas

Canvas for the week of 09-07-18

Design Files

Canvas.pdf, PCA\_App\_Contact\_list.pdf

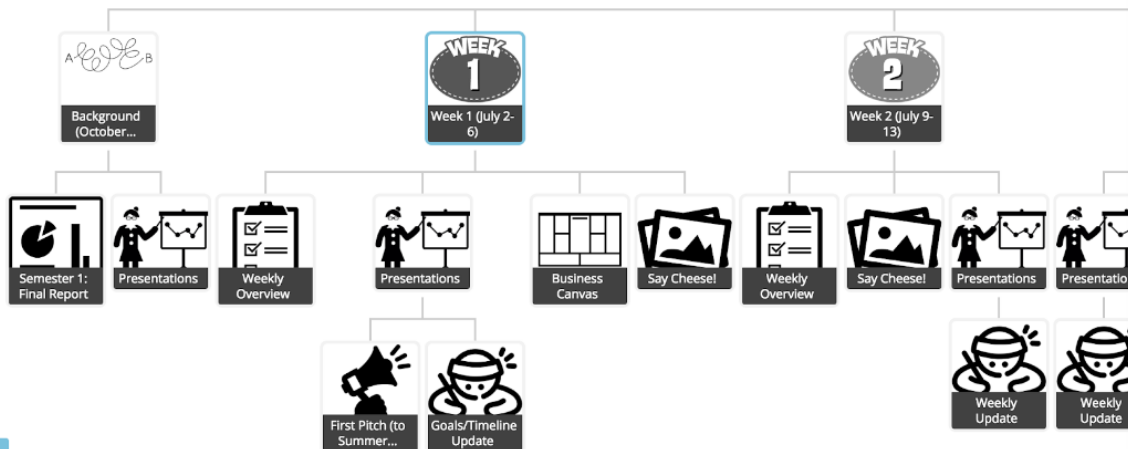
July 6, 2018 at 10:18 AM  
Created by acarreon

Comments (0)

Leave a comment...

Comment

# Chronological documentation



FEM.FRIENDLY >> WEEK 1 (JULY 2-6)

Week 1 (July 2-6)
 Edit

Overview of Week 1 Summer School activities from the Fem.Friendly team.

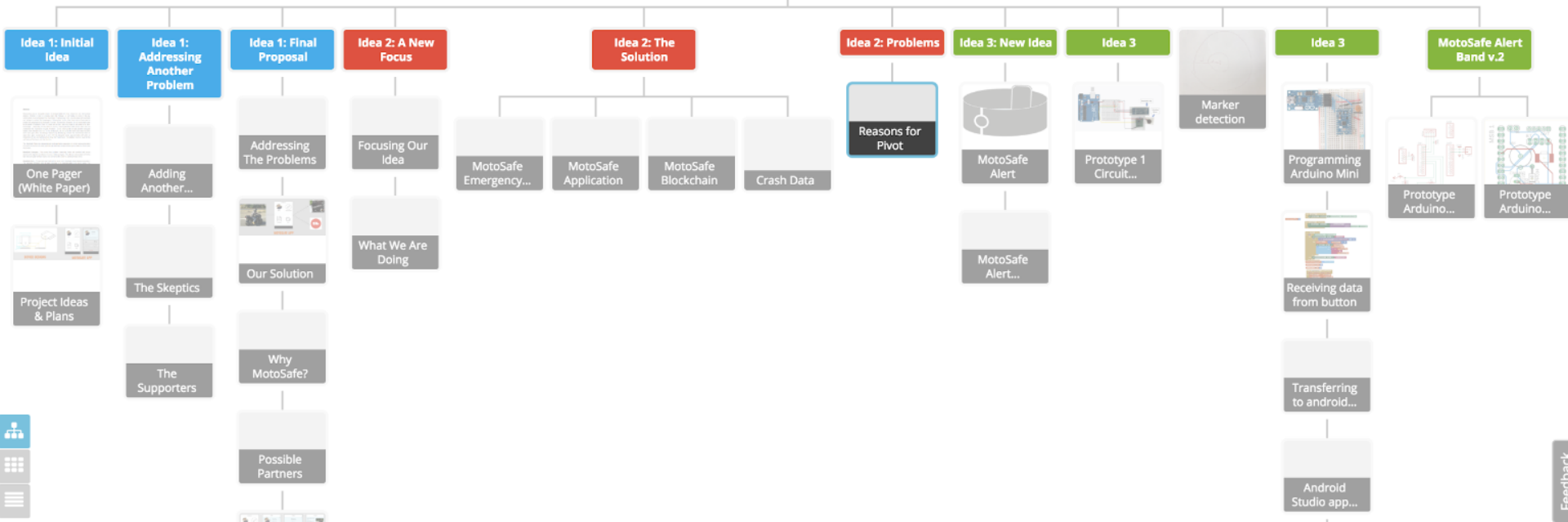
Image link <https://www.google.ch/url?sa=i&source=images&cd=&cad=rja&uact=8&ved=2ahUKFwjvg5zLP75ncAhVOuqQKHWMZBnkQjhx6BAgBEAM&url=http%3A%2F%2Fkwads4kds.com%2Fweek-1%2F&psig=AOvVaw2qzAM9WPiKt3UJjOpDHWge&ust=1531495540649965>

© July 11, 2018 at 7:34 AM  
 Created by emilysheene

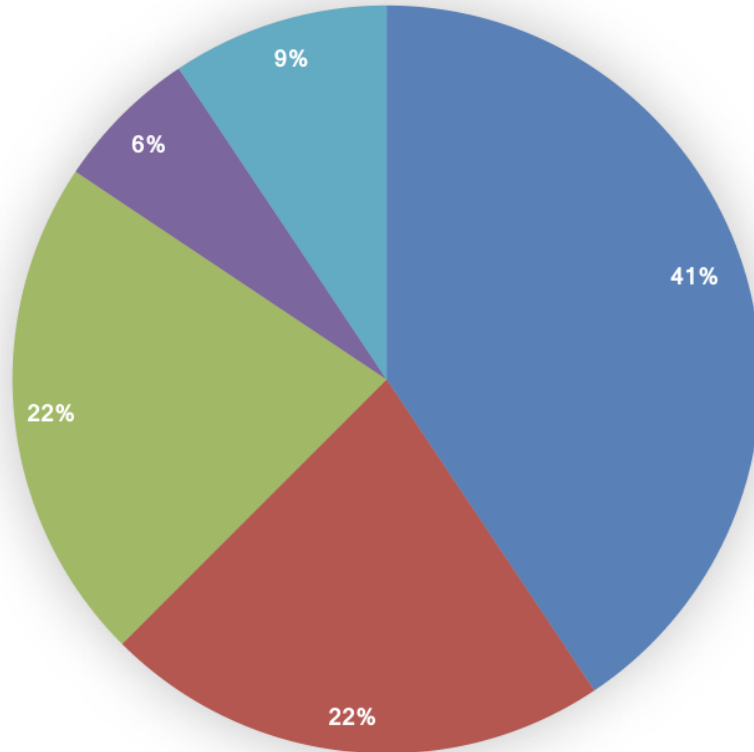
Comments (0)

# Hybrid

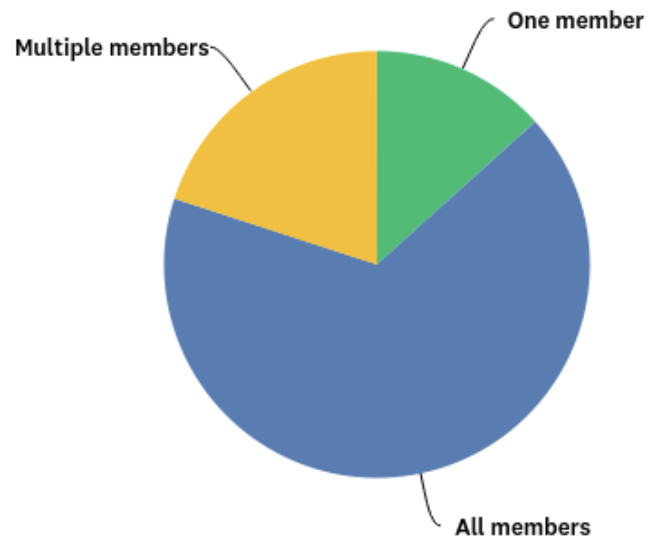
MOTOSAFE INDUSTRIES



# Why participants use the platform?



- To remember what we did in the project
- To use it as storytelling at the end of the project
- To share the project with others to get feedback
- To get exposure to potential investors, experts, etc.
- To improve my professional portfolio





# Who use the platform?



Students



Coordinators



Professors



Creative people



^

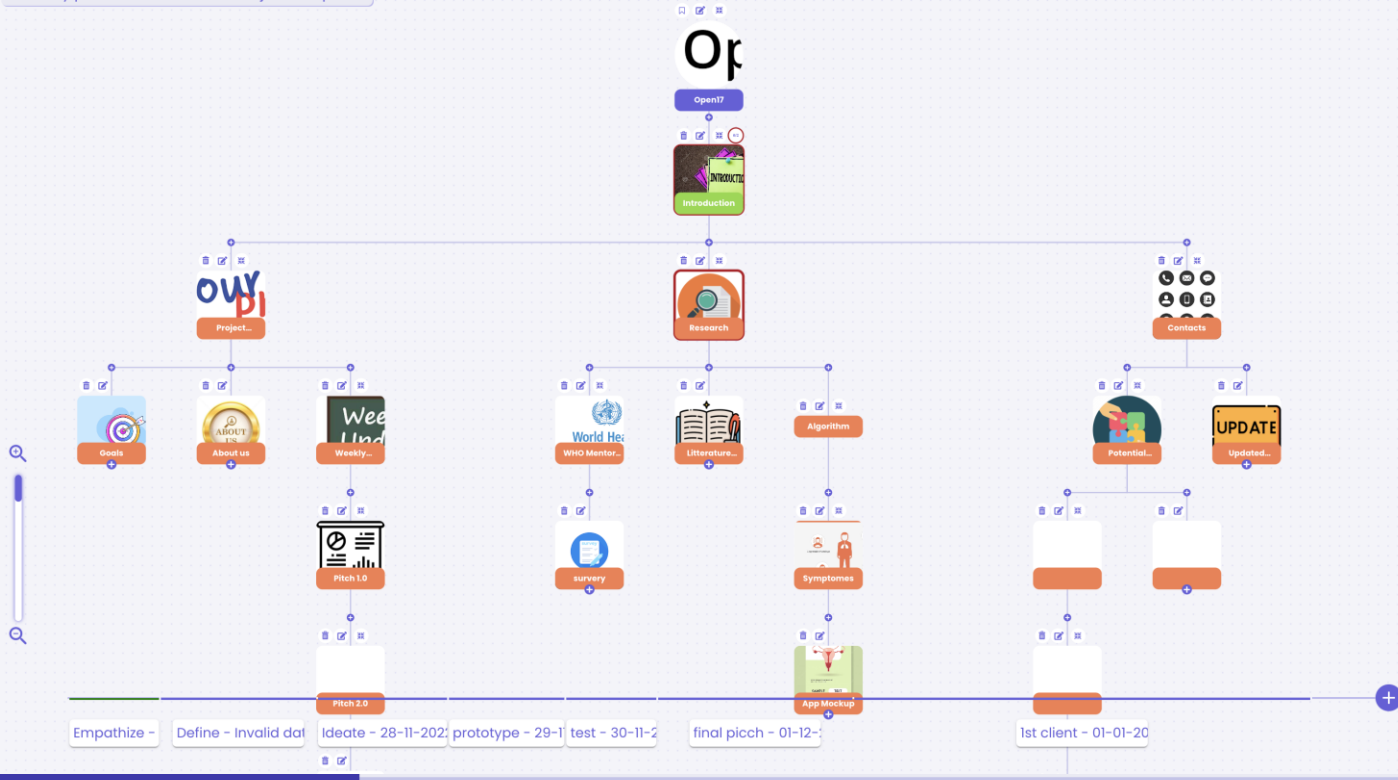
 Updates

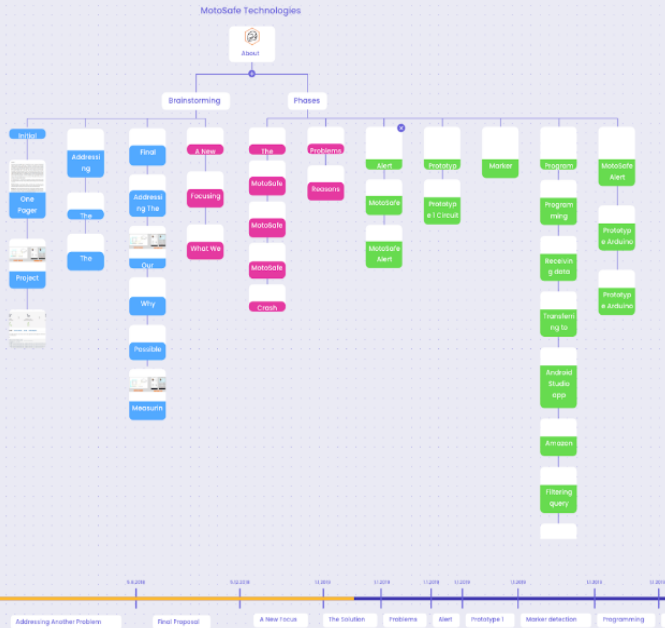
● To do   ● In Progress   ● Done

 **Announcement**

you'll receive your announcement from your Manager  
of the Wokstudio.

in: Oday personal studio > SDG Projects > OpenI7





✕ Motosafe technologies

Related to: [Corona Virus - COVID-19](#)  
based on OI7 Water Challenge 2020: Team Name  
original project: OI7-2020: Team IX

## About the Project

Our goal at MotoSafe is to improve motorcycle safety by offering affordable and non-distracting technology. With our device, riders can plot the location of accidents, unsafe turns, or other road hazards. When other riders near this plotted location or any black spot (location where accidents have historically happened), their wristband will vibrate, signaling the rider of an unsafe area ahead. This technology has the power to increase safety and sense of community among motorcyclists.



## Team



Name family   Name family   Name family   Name family

## Mentor



same family

 **Calendar**

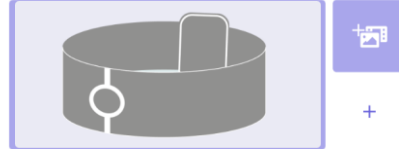
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

### To Do List

\_\_\_\_\_

Downloaded from <http://www.jstor.org/stable/2346192>

14 1 2 20 3

[Edit Description](#)

**B** / U                             

After doing a lot of research and looking at the motorcycle tech on the market we noticed that there was a huge gap in the market. Motorcycle safety tech is expensive. So we want to create a product for consumers that are looking to spend \$50-\$100. Also, motorcycle safety tech currently on the market is too distracting. If you take a look at all the helmets you have HUD display, GPS, communication capabilities for calling and playing music, all of which puts the rider in increased risk as they are more distracted. The MotoSafe Alert band is simple, affordable, and not distracting. We are developing a wristband that allows riders to plot the location of accidents, unsafe turns, or other road hazards. When other riders near this plotted location or any black spot [location where accidents have historically happened], their wristband will vibrate, signaling the rider of the danger. We are also developing a music app that will allow riders to listen to music and non-distracting. We believe this device will increase safety and sense of community among motorcyclists.

 **Manage Design Files**

Here You can add CAD Files, Arduino or Processing Sketches, etc.

### Added Files

File Added Name.Type



Upload File

 To Do List

**② Ask For Advise**

What Would You Like To Get Advice On ?



Share

[Leave a comment](#)

### What Would You Like To Get Advice On ?



Share

# Capture your innovation process

1<sup>st</sup> Oday Darwich

*IdeaSquare: The innovation space at  
CERN*

Geneva, Switzerland  
oday.darwich@cern.ch

2<sup>nd</sup> ChatGPT-3

*OpenAI, Artificial intelligence company  
OpenAI*

San Francisco, CA 94110, USA  
OpenAI.com

**Abstract**—The continuous evolution of the innovation world requires tools to facilitate knowledge exchange, experience sharing, and interdisciplinary teamwork for innovation, design, and implementation of solutions. To keep up, documentation must become more user-friendly, learnable, accessible, and shareable through meaningful and effective documentation practices.

As the complexity of documentation presents challenges, innovators, creators, and hackers have turned to alternative communities and tools such as blogging and makers, as well as programming, in search of more efficient documentation processes. Authors and readers concur that documentation tools, once seen as desirable, are now equally indispensable in minimising the effort required for documentation, collaboration, knowledge extraction, and sharing.

With the advent of AI tools, documentation is expected to see a tremendous boost in its efficiency and effectiveness. AI has the potential to optimise the documentation process, making it more efficient and effective. This can lead to better utilisation of our knowledge and drive progress for humankind.

**Index Terms**—documentation, knowledge, AI, collaboration

## I. INTRODUCTION

In the world of innovation and research, documentation plays a critical role in advancing our knowledge and driving progress. By documenting our experiences and sharing our findings with others, we create opportunities for new perspectives, spur breakthrough ideas, foster collaboration and help with communication among different stakeholders.

During the IdeaSquare Open Doors, I will be giving a talk on the significance of documentation in innovation and research. Join me as we delve into the power of documentation to drive innovation and bring people together to solve complex challenges. Additionally, we will explore the role of AI in enhancing the documentation process and maximising its impact, helping us to make better use of our knowledge and drive progress for humankind.

By harnessing the power of open spaces like IdeaSquare, we can encourage open documentation practices and unlock the full potential of our collective knowledge for a brighter future.

## II. INNPROGRESS: A USER-FRIENDLY DOCUMENTATION SOLUTION

SDG.InnProgress.ch does not introduce a new fundamental way for users to share their project progress during the creation process, but it does combine three key features: step creation and editing, uploading audio and video, and hypertext editing. These parameters can be adjusted to accommodate different user interactions and goals. The focus of SDG.InnProgress.ch

is on the design process, allowing users to iterate their projects by creating new branches and disregarding unsuccessful ones.

The combination of capturing and text-based description features in SDG.InnProgress.ch allows participants to document their work, even without prior experience. Users choose their own way and approach of documenting and this is what is most needed in hands-on events. A coach is necessary to guide them on what to document and how it benefits both themselves and others in the future.

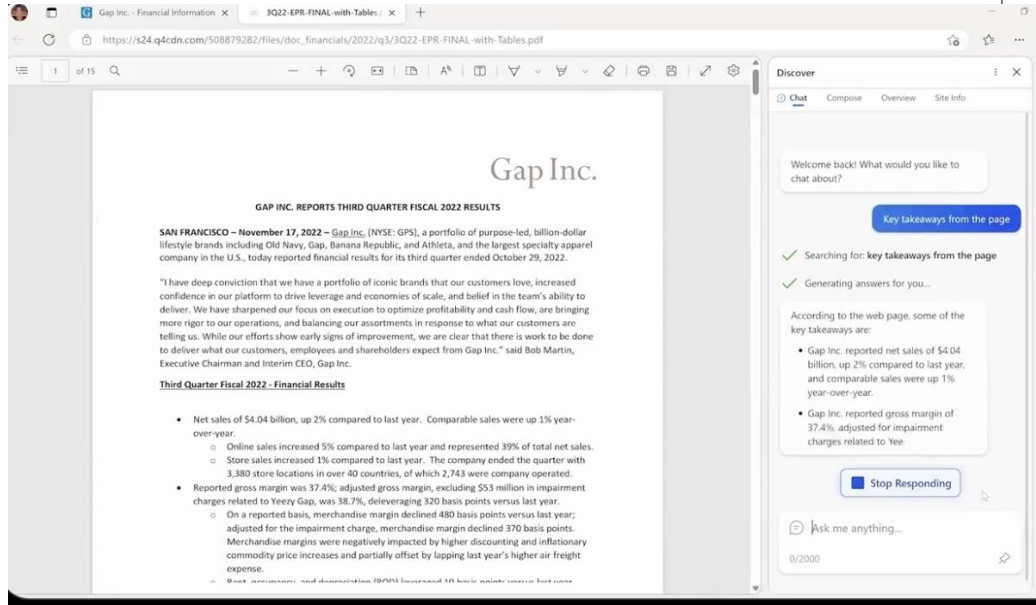
Simplifying the process of creating and organizing documentation is crucial, especially for younger audiences who may not be familiar with the project. Tools like drag and drop make the process much easier, allowing users to go through steps, as well as being able to modify and rearrange them. While other platforms like Github, Doxygen, JavaDoc, and Google Doc have similar features, they may not be as user-friendly, leading to confusion and a lack of organisation. This can cause an author with limited background in documentation or an aversion to it to abandon the project documentation entirely. SDG.InnProgress.ch provides a convenient solution for documenting the creation process of a prototype. Authors can choose to upload videos or images that clearly illustrate the steps involved, making it easier to understand than just text alone. This allows for greater interaction and engagement, as readers can ask questions or leave comments, and the authors can receive notifications for replies or updates on the project.

## III. CONCLUSION

Documentation comes at a cost of time and effort from both participants and coaches. Participants who are eager to document need proper guidance and instructions on what to document and how to maximize the benefits from it.

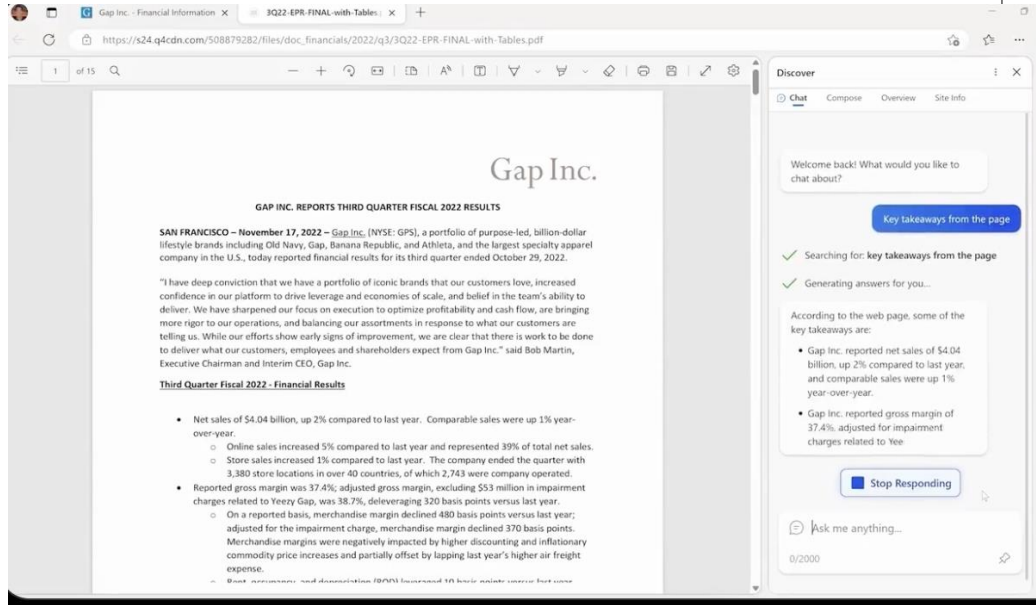
Finding motivation for documentation is crucial. Participants need to understand why they should document, as well as how it will benefit them and others in the future. These questions must be answered clearly to help participants stay motivated.

However, just having motivation is not enough to overcome the challenges of documentation. If a participant finds it difficult to write, they may abandon the documentation. This is why having easy-to-use, user-friendly, and efficient tools is important to encourage participants to document their work. Tools such as recording videos, uploading images or AI writing tools (e.g. ChatGPT) can make the documentation process much simpler and enjoyable.



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<https://twitter.com/i/status/1623707730367086595>



<https://twitter.com/i/status/1624077152302862339>

<https://twitter.com/i/status/1623707730367086595>



An onboarding screen for a dog walking app

Generate

