ONLINE HACKATHON

REMOTE HEALTHCARE

Doctolib

WILD CODE SCHOOL

data iku

REMOTE HEALTHCARE

A good hackathon is...

Clearly articulated:
You should have a clear vision of the problem you are trying to solve and you should know your users.

Attainable:
You only have a couple of days ahead of you. Make sure that all the team knows the difference between what is essential to your project and what is nice to have.

Teamwork:
Make sure you collaborate with your team members, that everyone contributes and that you take care of your fellow colleagues.

Organized:
Be sure that the whole team knows who is going to work on which part of the project.

Hackathon Organisation

June 24 10am*

Kick-off

June 24 10:30 - June 26 2pm*

Coding & Coaching & Entertainment

June 26 3pm*

Demo #1

July 2 - 3pm*

Final Demo

* CET Time

Photocomics Contest

CHALLENGE:
Feature your team in a collage of small pictures
(3 to 5 maximum gathered in one board)
taken with your own camera and post your collage on
Discord #photocomics channel

VOTING PROCESS:

1. First vote on June 26 (count of 👍 per pic on Discord channel)
2. Second vote by our social network followers

PRIZE FOR THE BEST TEAM:
A superb Wild Code School flask

Doctolib Coaching Team













Tips for a successful coaching

A 20 MINUTE-SLOT IS PRECIOUS

- Be in time! Your coach only has 20 minutes for your group!
- Introduce your group in 1 minute top
- Keep the chitchat for the end of the session, if there is still time
- Keep a clock on your desk to keep track of time

A GOOD PROJECT GROUP IS...

- Positive and enthusiastic
- Respectful

YOUR COACHING NEEDS WILL CHANGE

Depending on the coaching timeslot, be prepared to answer questions

- Product/vision/business at the beginning
- Design/tech after
- Product arbitration towards the end

Hackathon Topics

#1 Disease Management Module

Help patients with chronic diseases manage their healthcare

#selfcare #gamification #coaching #prevention

- Remind patient about medication
- Share patient's healthcare data with their medical practitioners
- Disease examples: Coronary artery disease, Hypertension, Sleep apnea, Depression, Cancer, Diabetes

Company example: https://www.omadahealth.com/

Hackathon Topics

#2 Medication management & adherence

Help patients stick to their medical prescriptions

#selfcare #coaching

- Drug efficiency is reduced by 20-30% when prescription not followed perfectly
- 30% of medical prescriptions are never used
- Only 25-30% of prescriptions are perfectly followed
- Interesting for both patients & clinical trials

Company example: https://www.aardexgroup.com/

Hackathon Topics

#3 Virtual assistant for medical practitioners

Help medical practitioners in their day-to-day job

#coaching #chatbot

- Lots of tasks can be automated in a medical practice (ex: booking appointments, checking drugs compliance and drug interactions)
- Any time a practitioner saves can be re-invested as medical time

Company example: SafeDrugBot

Hackathon Topics

#4 Medical tourism

Make it easier for patients to find better or less expensive healthcare services internationally

#platform #services #booking

- The patient can look for:
  - less costly services (Ex: Turkey for esthetic surgery)
  - better services (Ex: Israel or France for quality of healthcare)

Company example: https://www.novacorpus.fr/

Hackathon Topics

#5 Doctor/Patient instant messaging

Help practitioners, at their own initiative, to stay in contact with their patients.

#communication

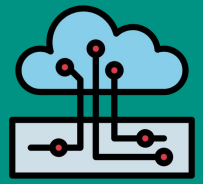
- Patient contact data tend to be out of date or erroneous
- Practitioners can't open direct lines to themselves, because they would be overflowed by patient requests

Hackathon Topics

#6 Free topic !

Up to you to develop your project on the topic of your choice as long as it is relevant to Remote Healthcare!

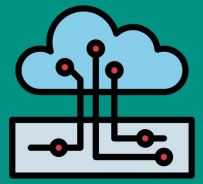
Data set examples



Medicine:

- https://www.data.gouv.fr/fr/datasets/sites-de-prelevements-pour-les-tests-covid/
- https://www.data.gouv.fr/fr/datasets/donnees-hospitalieres-relatives-a-lepidemie-de-covid-19/#_
- https://www.data.gouv.fr/fr/datasets/donnees-des-urgences-hospitalieres-et-de-sos-medecins-relatives-a-lepidemie-de-covid-19/
- https://www.data.gouv.fr/fr/datasets/finess-extraction-du-fichier-des-etablissements/
- https://public.opendatasoft.com/explore/dataset/annuaire-des-professionnels-de-sante/table/
- https://public.opendatasoft.com/explore/dataset/medecins/table/
- https://ec.europa.eu/eurostat/tgm/table.do?tab=table&plugin=1&language=en&pcode=tps00044
- https://ec.europa.eu/eurostat/data/database?node_code=tps00044

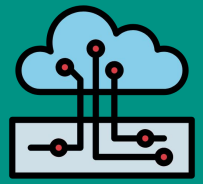
Data set examples



Demography:

- https://www.data.gouv.fr/fr/datasets/la-demographie-des-infirmiers-a-l-horizon-2030-un-exercice-de-projections-aux-niveaux-national-et-re/#_
- https://www.data.gouv.fr/fr/datasets/la-demographie-des-medecins-rpps/#_
- https://www.data.gouv.fr/fr/datasets/demographie-des-professions-de-sante-liberales/#_
- https://fr.wikipedia.org/wiki/Liste_des_d%C3%A9partements_fran%C3%A7ais_class%C3%A9s_par_population_et_superficie
- https://www.ined.fr/fr/tout-savoir-population/chiffres/france/structure-population/regions-departements/
- https://public.opendatasoft.com/explore/dataset/population-francaise-par-departement-2018/table/?flg=fr&disjunctive.departement
- https://public.opendatasoft.com/explore/dataset/densite-medecins-generalistes-liberaux-2012/table/
- https://public.opendatasoft.com/explore/dataset/densite-de-medecins/table/

Data set examples



Macro economic indicators:

- https://public.opendatasoft.com/explore/dataset/niveau-des-debits-sur-les-reseaux-dacces-a-internet-adsl-cable-fibre-ftth/table/
- https://public.opendatasoft.com/explore/dataset/observatoire-des-marches-des-communications-electroniques/table/

Other data sets:

- https://www.data.gouv.fr/fr/reuses/pharmacies-1-500-fermetures-dofficines-en-10-ans/
- https://www.data.gouv.fr/fr/reuses/cartographie-des-deserts-medicaux-et-impact-du-service-de-sante-mobile-medtrucks/
- **Feel free to search other data sets!**

Criteria

UX DESIGN
(DEV ONLY)

TECHNICAL ASPECTS

CONCEPT

ORAL PRESENTATION

Final demo jury

Doctolib

Alexandre Ignjatovic,
Engineering
Manager

Nicolas De Nayer,
VP Engineering

dataiku

Malick Konate,
Data Scientist

Damien Jacquemart,
Lead Data Scientist

WILD CODE SCHOOL

Anna Stepanoff,
CEO

Thomas Culdaut,
Lead Instructor

Doctolib Prizes

1

2

3

dataiku Prizes

Be creative, don’t forget to get some rest and have fun !!!!