



HACK & HEAL

Project HealthHub

Your life is our priority.

Project Title:



Presented By: Health Crew

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Team Members



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Backend Development
/ Machine Learning



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Problems

Healthcare in Hungary



01

Preventable mortality rates

02

Long waiting times

03

Lack of necessary medical supplies

04

Higher-than-average rates of lung disease, infections, and cancer deaths

05

Concentration of resources in the capital

Mission

- Understanding Patient Journey: To deliver superior patient experiences by embracing transparency, reducing wait times, and increasing clarity in the scheduling and execution of CT scans and other interventions.
 - Medical Equipment Needs based on Data: To proactively forecast nationwide hospital equipment needs, leveraging data-driven insights for seamless logistics and prudent healthcare spending.
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Our solution: HealthHub for Patients and Healthcare Professionals (HCPs)

An HCP Can Assign a Patient to a CT Scan

- The Doctors have access to put patient data on our website and can access the data from social security numbers.
- The website generates an AI-based risk score, based on the provided data which help's to decide the priority of the patient's needs.
- Doctors can change the score if it's not relevant and can report to our developer team.

- The Hospitals can be schedule from the list of nearby hospitals provided by our website
- The list is generated based on the location nearby and availability based on the waiting time
- The priority request can be sent in case of emergency to book hospitals at the earliest date possible

- In our anual statistics, proactively forecast nationwide hospital equipment needs, leveraging data-driven insights for seamless logistics and prudent healthcare spending.
- Forecast's are available on geographically map according to cities to forecast nationwide equipment needs and current available equipment and there data.

Challenge

- How would you improve the patient's customer experience while making the waiting lists for CT scans and other interventions as transparent as possible?

- How is it possible to look through the patient journey in the healthcare system from the physician's point of view? How would the patient logistics be effective?

- How would you predict the medical equipment needs in the hospitals nationwide in order to make the logistics procedures and the necessary healthcare spending as smooth as possible?

Implementation And Customization

- AI-based risk assessment, scheduling, and recommendations
- Forecasting the medical equipment nationwide with interactive UI based on Machine learning engineering
- Interactive UI for more advanced operations, expandable with large datasets
- Integrated with Google Maps, for smooth user experience

[Demo URL](#)

[Demo Youtube link](#)

Monetization

Private Companies

- Software-as-a-Service
 - Resource management
 - Patient management
 - Save cost and time by monitoring CT scans load
- Hospitals like Medcover, DunaMedical
- CT manufacturers e.g.: GE healthcare

Public Healthcare

- Save resources
- Optimize CT usage and time
- Distribute patients across hospitals
- Prevent death from treatable diseases early on.



The Business Model Canvas

Key partners
What are your key partners to get competitive advantage?

- Swiss clinic
- Medicover
- Private clinics
- medical equipment manufacturing companies such as GE Healthcare, CMS Medicala and Mediso.

Key activities
What are the key steps to move ahead to your customers?

- Medical Equipment Needs based on Data: To proactively forecast nationwide hospital equipment needs, leveraging data-driven insights for seamless logistics and prudent healthcare spending.
- Appointment system based on AI to allow an efficiency way to book CT scan and reduce waiting times
- Understanding Patient Journey: To deliver superior patient experiences by embracing transparency, reducing wait times, and increasing clarity in the scheduling and execution of CT scans and other interventions.

Key propositions
How will you make your customers' life happier?

Experience seamless and efficient CT scan bookings with HealthHub's AI-powered prioritization and scheduling. Our advanced technology ensures the fastest way to secure your appointment, enabling doctors to focus on providing optimal care. Visit our website for quick and hassle-free CT scan bookings. Trust HealthHub for streamlined healthcare solutions.

Customer relationships
How often will you interact with your customers?

In case of issues the doctors can report

Customer segments
Who are your customers? Describe your target audience in a couple of words.

- Hospitals, private clinics and doctors
- Public social security provider in Hungary and other EU countries

Key resources
What resources do you need to make your idea work?

map, hospital, patient data

Channels
How are you going to reach your customers?

- website support
- e-mail

Cost Structure
How much are you planning to spend on the product development and marketing for a certain period?

- marketing team
- development team
- logistics team
- platform and infrastructure costs

Revenue Streams
How much are you planning to earn in a certain period? Compare your costs and revenues.

- SAAS for private clinics and hospitals
- B2B
- Monthly subscription

Technologies, Tools and Methods

Technologies

Python
React
Machine Learning

Tools

Figma
Slack
Add the third method.

Methods

Prediction
Recommendation
Data Wrangling

Thank you!

