



ActiveSite

**“Empower your health with Active
Site's continuous monitoring.”**



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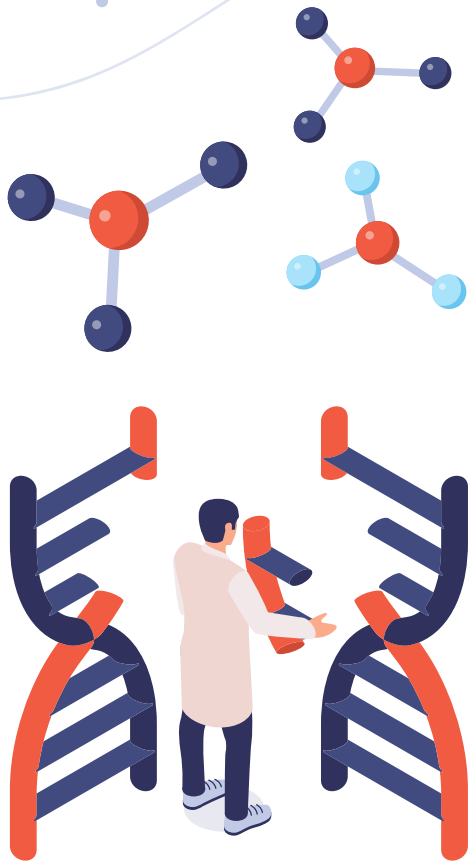


01

PROJECT DOMAIN

Objectives, target users, what is ActiveSite





Do you want to have your health in **one single site**,
in an **affordable** and **accessible** software,
that **learns** from the user, and you **do not** have to
manually input **information** each time?

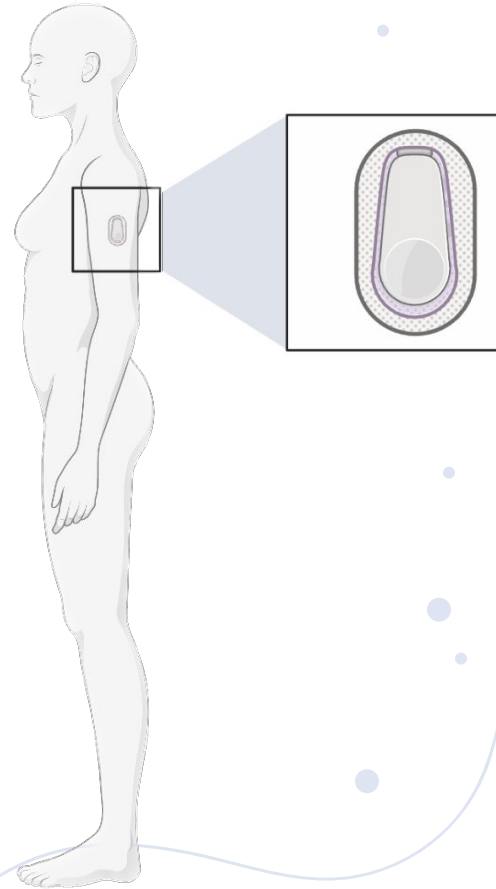
Then, you should try . . .

ActiveSite

What is **ActiveSite**?

AI for the monitoring of heart rate, arrhythmias, glucose, hydration, and other nutritional and health items with continuous monitoring from a sensor.

Empowering the users by enabling them to monitor their health constants and be sure that in case of any abnormality they will be notified as soon as it is detected.



TARGET USERS



LIFESTYLE

People interested in monitoring their nutrition and health on a continuous basis



HEALTH

People with specific dietary or health goals that require ongoing monitoring and tracking


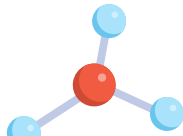


FITNESS

Athletes, fitness and active people who want to optimize their performance and recovery

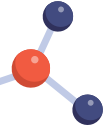



MAIN FUNCTIONALITIES

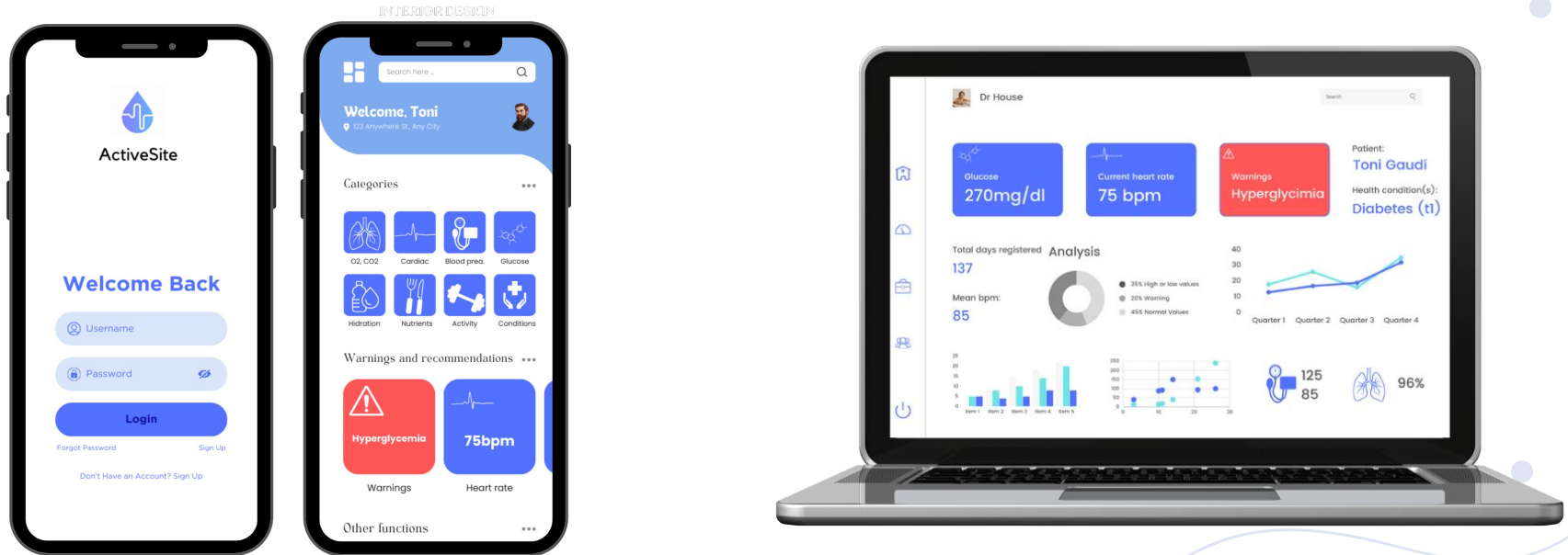
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- Continuous monitoring of different nutritional and health indicators using a pain free sensor (sticker-like) attached to the skin.
 - Possibility to integrate with other apps or platforms to provide a more complete picture of the user's health and wellness.
 - Real-time data analysis and tracking using AI algorithms to provide personalized recommendations and insights.
- 



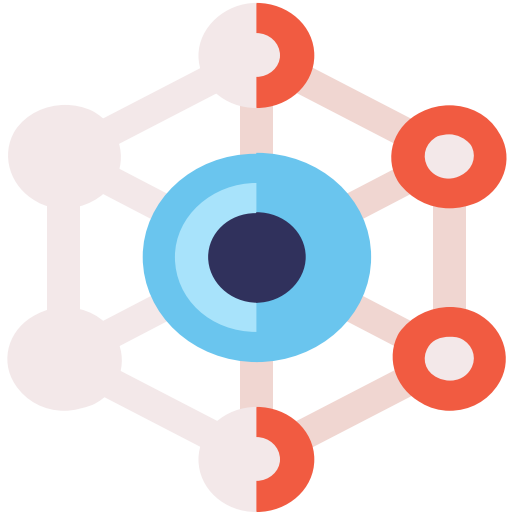
RELEVANT FUNCTIONS

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- Heart rate and arrhythmia detection
 - Glucose levels monitoring
 - O2 levels detection
 - Temperature and hydration measurement
 - Activity monitoring and sleep cycle detection
 - Personalized insights using machine learning algorithms
- 

How can I connect to ActiveSite?

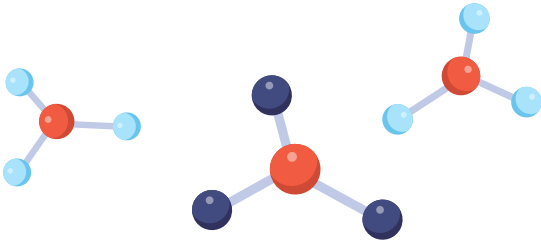


Give access to your Doctor!



PROJECT SOLUTION

Requirements, use case, diagrams,
architecture



REQUIREMENTS

What requirements do we have to satisfy?

FUNCTIONAL	NON-FUNCTIONAL
User registration Data collection Data processing User interface Sensor pairing Data storage and Security User Profile Management External Panel (for Doctors) Notifications and Alerts	Performance Usability Reliability Compatibility



FUNCTIONAL REQUIREMENTS



User registration

- Create an account.
- Provide personal information.
- Select mode and set goals.


Data collection

- Data gained by the sensor.
- Data added manually by the user.
- Data validated and stored.

Data processing

- Data sent to the Web server.
- Validation of the data.
- If data is correct, data is processed.
- Provide advice and alerts.

User interface

- User can input data.
 - User can view data.
 - View real-time metrics, access recommendations.
 - User can set goals and alerts.
- 



Sensor pairing

- Sensor paired with the user's app via Bluetooth.

User Profile Management

- Allow user to view and edit personal information.
- Allow user to edit health and nutritional goals.

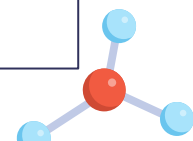
Data storage and Security

- Data protection regulations.
- Data encryption.
- Regular back-ups to prevent data loss.

External Panel

- For Doctors or healthcare professionals.
- Observe and monitor patients data.
- Secure and restricted access.

Notifications and Alerts

- Alerts and notifications based on preferences and personal settings.
 - Notifications of critical or unusual health events.
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NON-FUNCTIONAL REQUIREMENTS



Performance

- Process large data quickly and accurately.
- Handle high levels of user traffic.

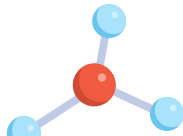
Usability

- Easy-to-use app.
- Clear instructions and intuitive design.
- Text-to-speech and high-contrast modes.

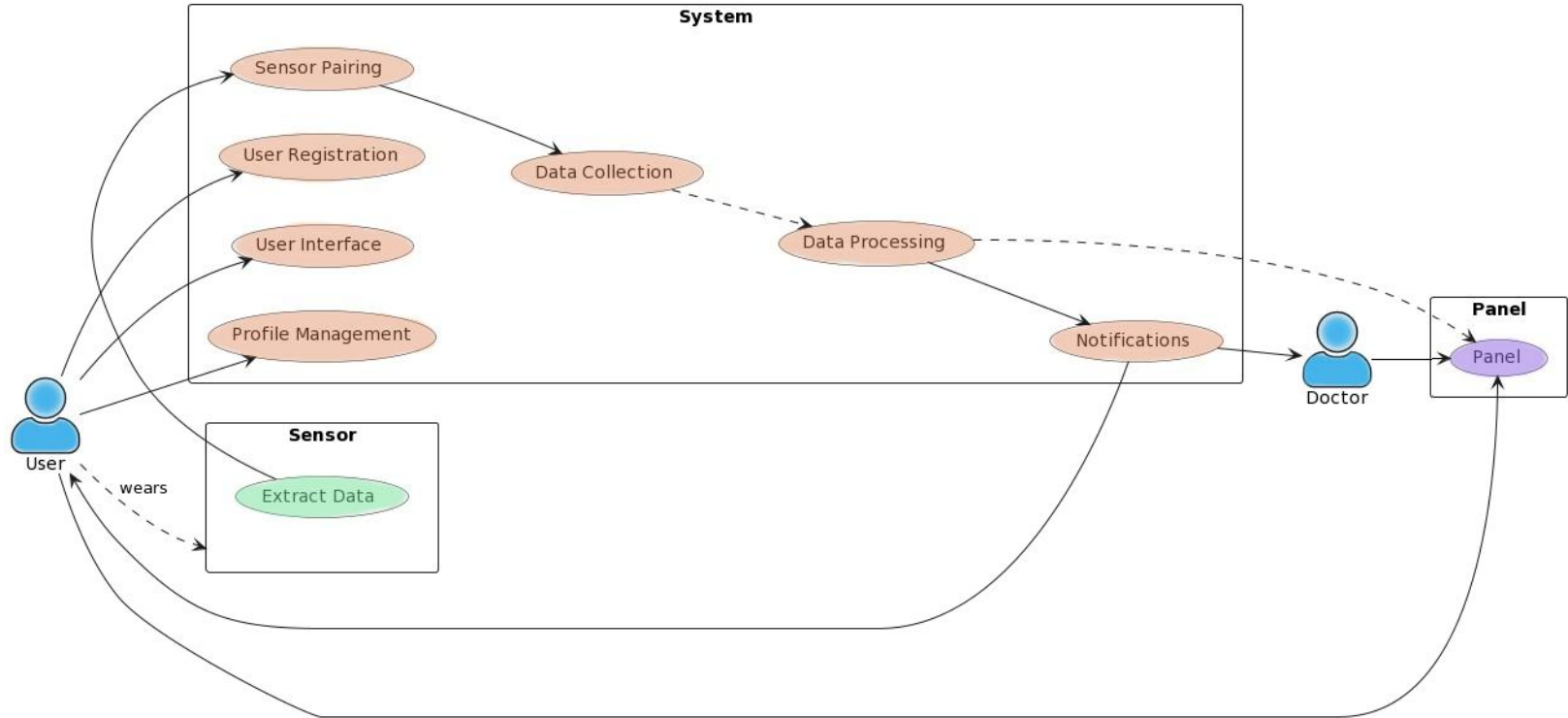
Reliability

- App must be always available and reliable.
- Minimal downtime for maintenance.
- One update per month.

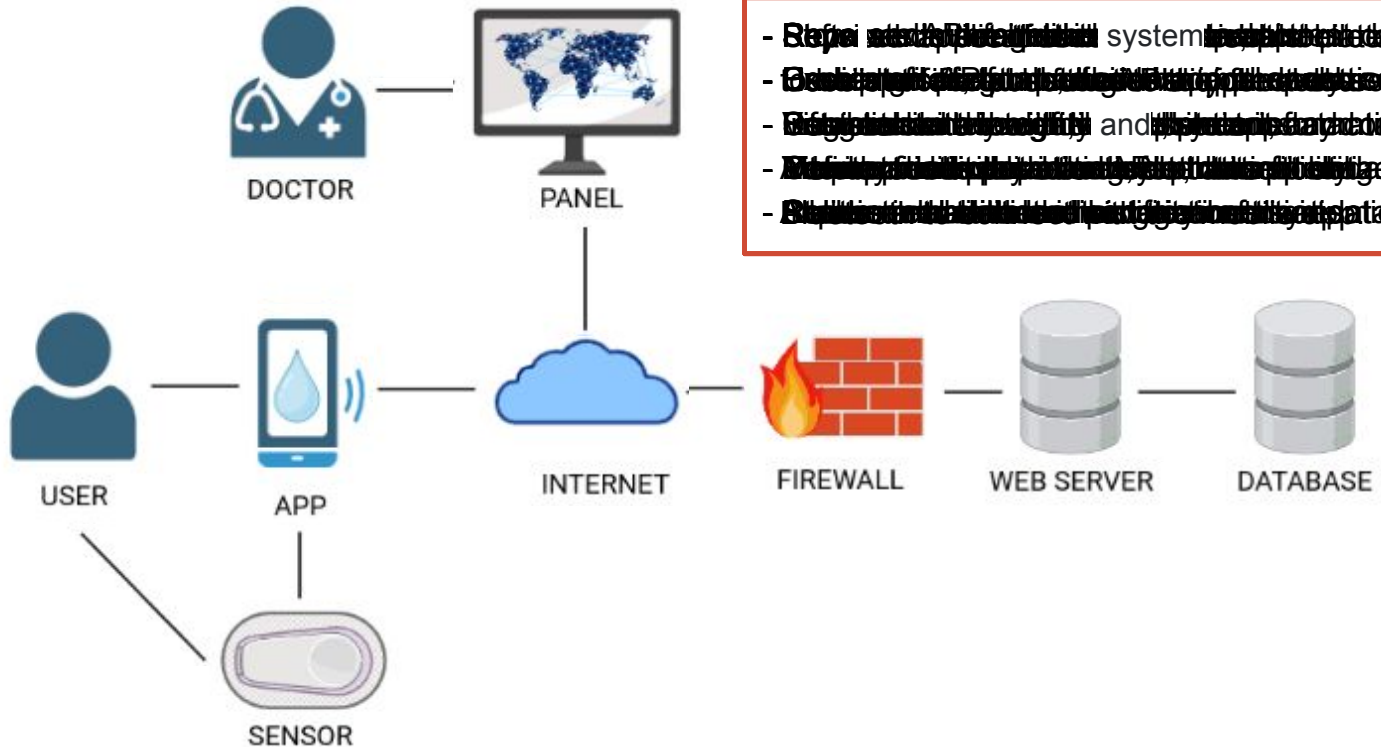
Compatibility

- App has to be compatible with other devices.
 - App compatible with Windows, iOS, Android and Linux.
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USE CASE DIAGRAM



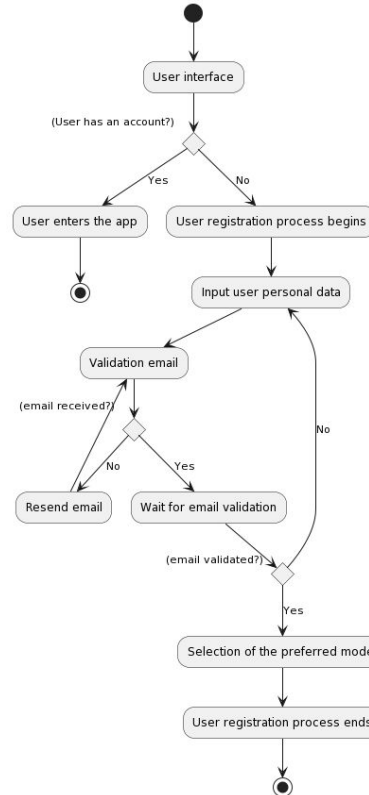
ARCHITECTURE IMPLEMENTED



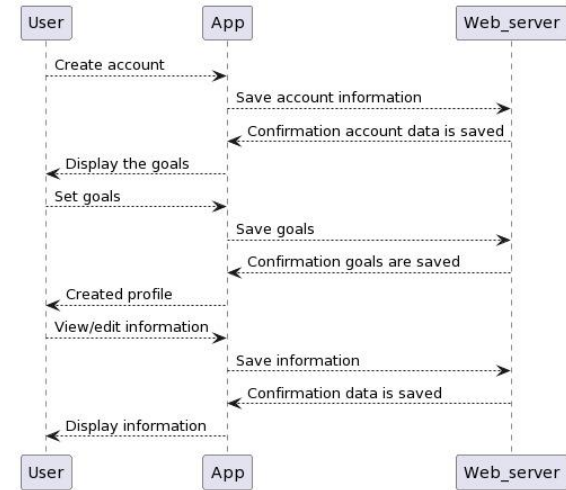
- Represent the implemented system, including data storage
- Describe the system's components and their interactions
- Explain the system's architecture and its components
- Describe the system's components and their interactions
- Explain the system's architecture and its components

USER REGISTRATION DIAGRAMS

Activity diagram

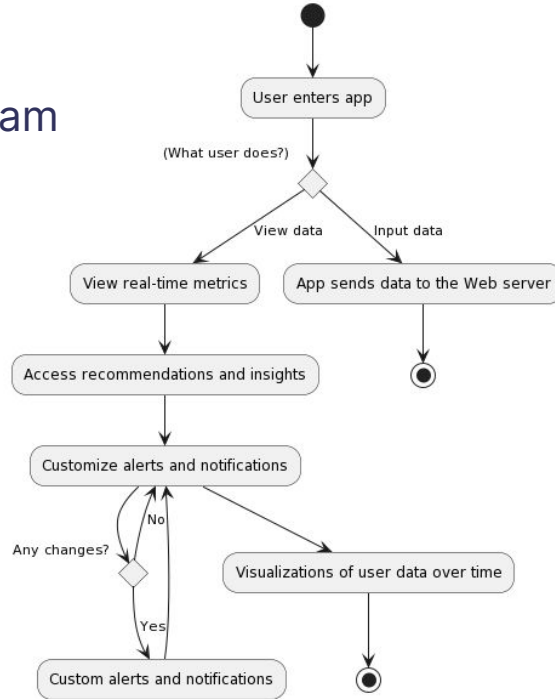


Sequence diagram

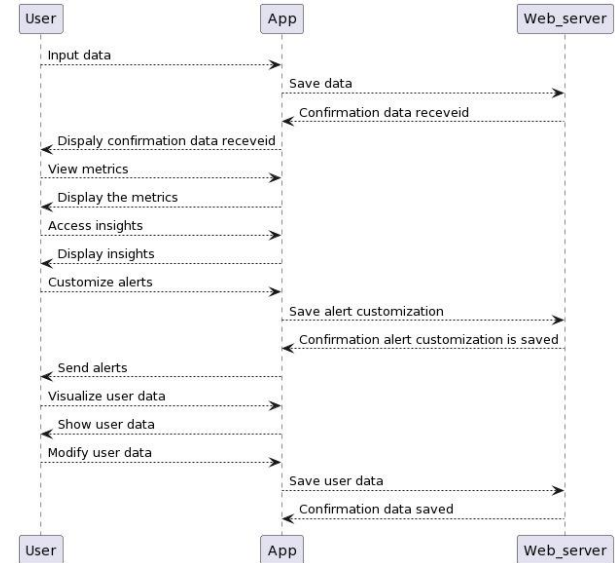


USER INTERFACE DIAGRAMS

Activity diagram

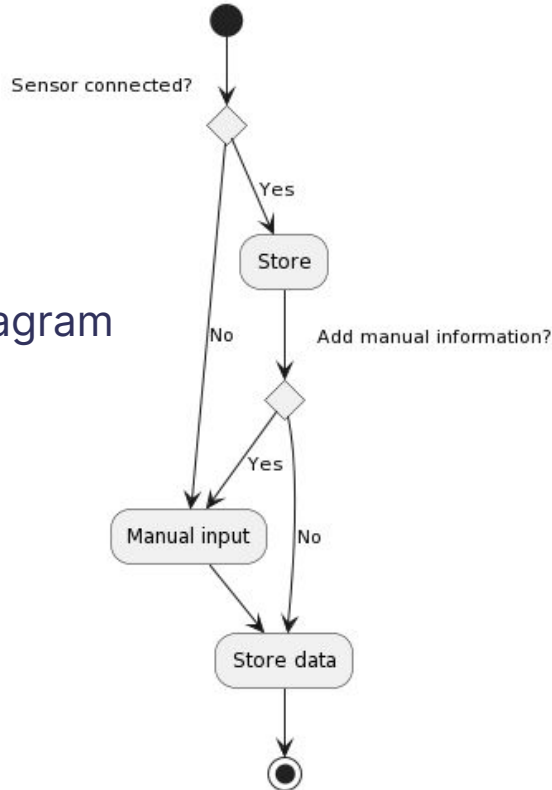


Sequence diagram

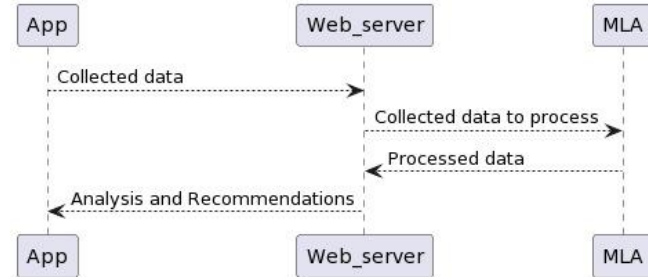


DATA COLLECTION DIAGRAMS

Activity diagram

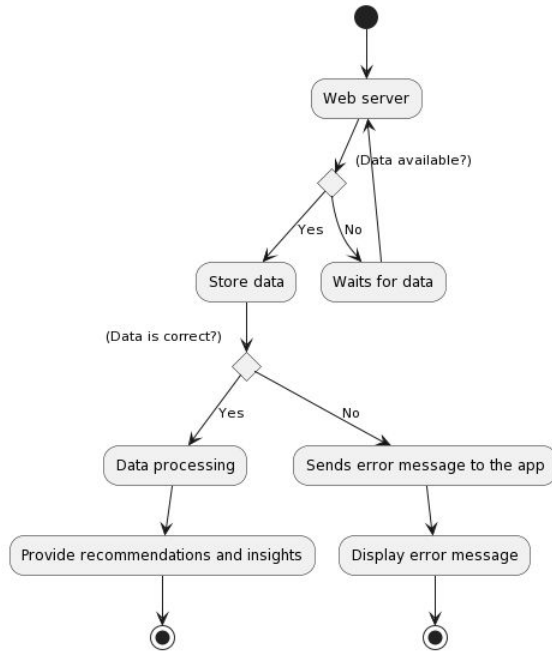


Sequence diagram

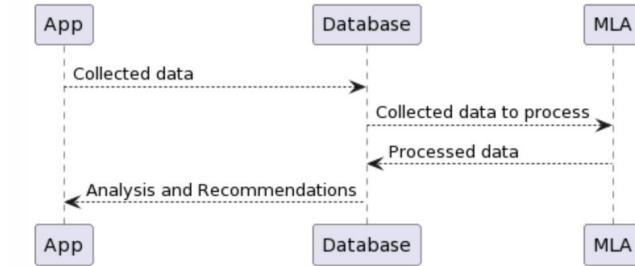


DATA PROCESSING DIAGRAMS

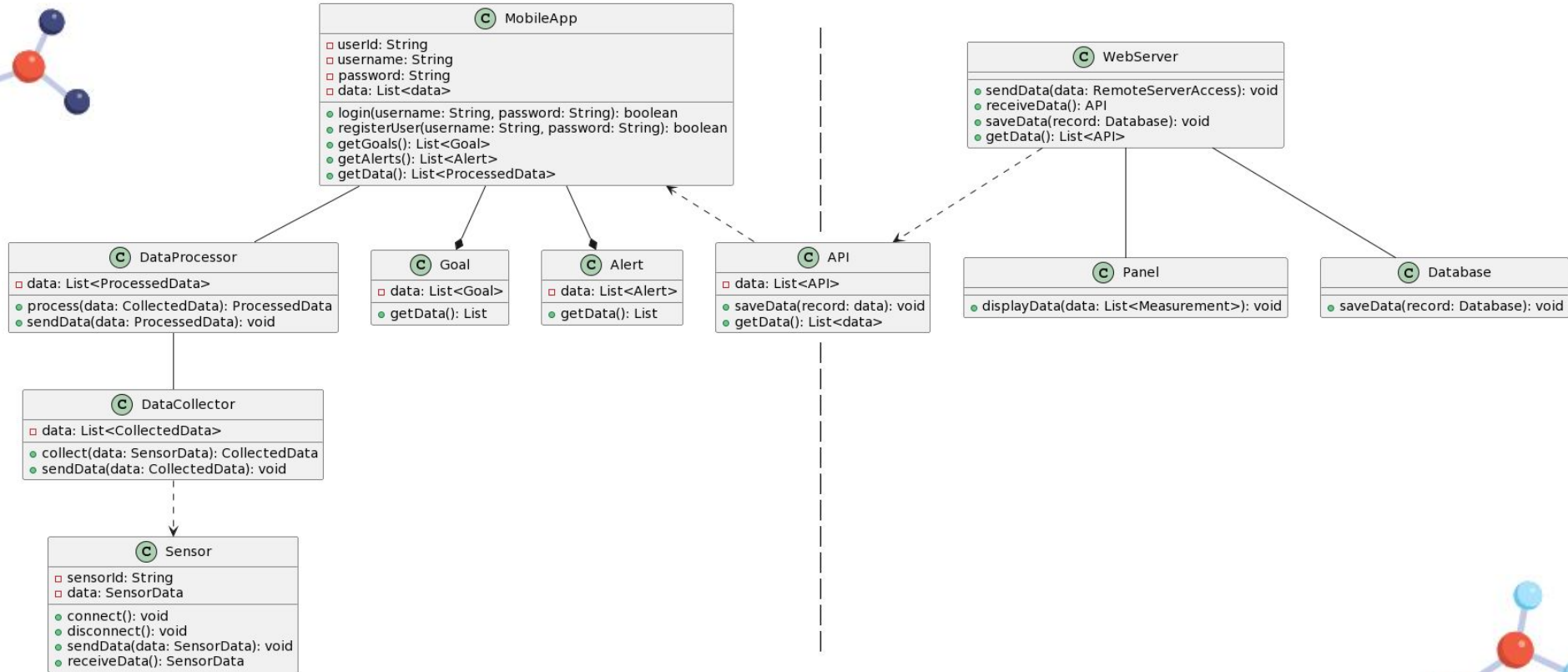
Activity diagram



Sequence diagram



CLASS DIAGRAM



03

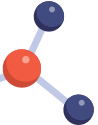

CONCLUSIONS

Impact, future projects



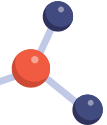


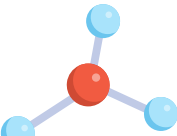
HIGH IMPACT SOFTWARE

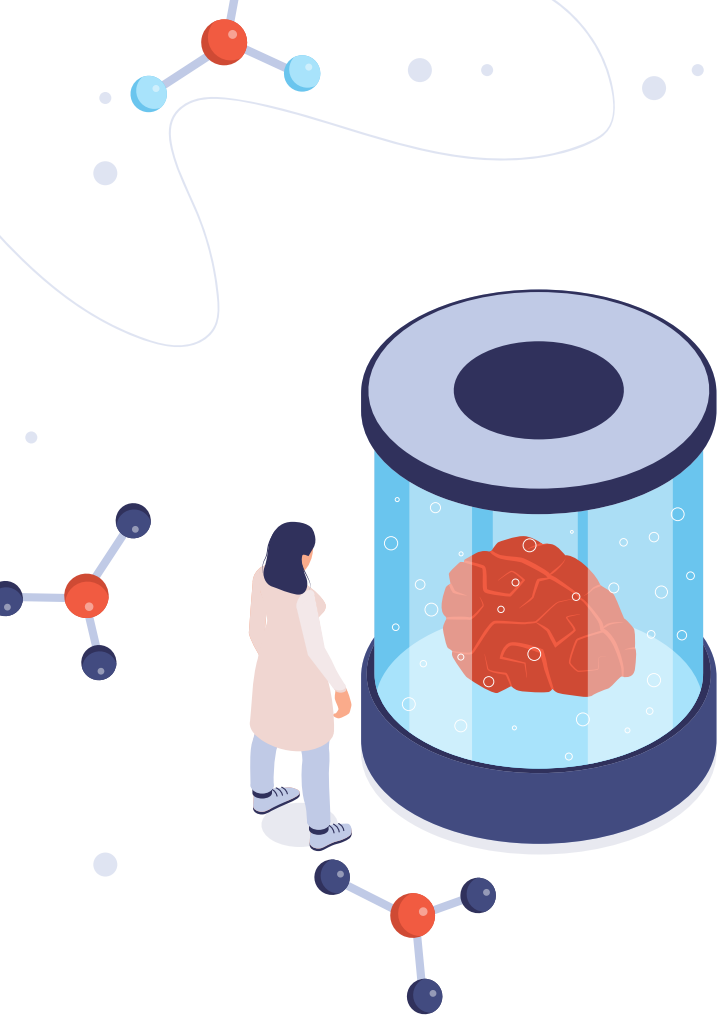
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- Empowering and improving life quality of users through continuous monitoring and customizable alerts
 - Allows medical providers to access data from their patients at any time and receive alerts in case of abnormal values
 - Control of user symptoms
 - Custom recommendations based on the data collected by the site
- 



FUTURE PROJECTS

- 
- Other wearable devices
 - Pre-detection of other diseases
 - New applications in clinical / research areas





THANKS!

DO YOU HAVE ANY QUESTIONS?

The app require user feedback to
continually improve

Núria, Mònica i Marta
102-09

GitHub: <https://github.com/NuriaMitjavila/Software-Engineering>