

Elderly Care Management System – Yr 4 Project

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Figure [1]

What are the Core features?

This is a list of features that will be included in this project:

- Implementing Security
- Patient Profile
- Care Planner
- Medical Dashboard
- Roster

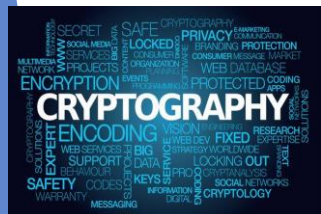


Figure [5]



Figure [6]

What is the project?

- It is a secure web application to safeguard and manage patient data in care centres.
- Digital documentation to streamline workflow.
- Application designed to cater Admin and Carer.

What is Health Level 7 (HL7)?

- Framework for the exchange, integration, sharing and retrieval of health information.
- Most used standard globally.
- HL7 specifies several standards, guidelines and methodologies for health-related systems.

Existing Systems

- Pass App
- Log my Care
- Nourish

Technologies

Here are some possible technologies that could be used for example:

- Python: <https://www.python.org/>
- Django: <https://www.djangoproject.com/>
- MariaDB: <https://mariadb.org/>
- Cryptography lib: <https://pypi.org/project/cryptography/>

What is Shared Key and Public Key?

- Shared key is a form of cryptography.
- Also known as Symmetric encryption.
- Method of encrypting data and decrypting data using one key.
- Public key is a form of cryptography.
- Also known as Asymmetric encryption.
- Method of encrypting and decrypting data using two keys.

References

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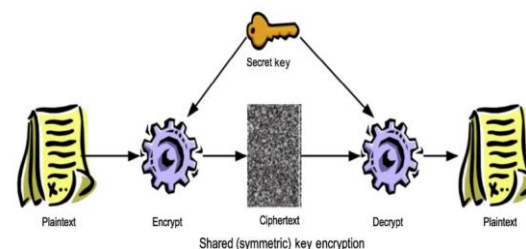


Figure [3]

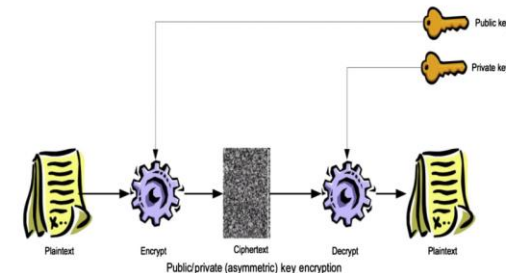


Figure [3]