SEP Choices

1. Automated social media content generator
2. MedicRecall (the project chosen to be completed)
3. Object-Triggered Wall Project
4. Edutopia
5. Industry 4.0 for Next Generation Composites

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Organisation : NHS

**NHS background info**

Provides health care services and specialises in mental health, cancer, urgent and emergency care, diabetes and psychological therapies. NHS was established in 1948. NHS has not got any types of ownerships hence NHS is a publicly funded healthcare service through the taxation provided by the government. In terms of workforce, The NHS is one of the largest employers in the world (see figure 4 below), employing 1.6 million people (headcount) as of 2023. Annual budget standing at £190.3 billion as of 2022.

The principal NHS website states the following as core principles:

The NHS was born out of a long-held ideal that good healthcare should be available to all, regardless of wealth. At its launch by the then minister of health, Aneurin Bevan, on 5 July 1948, it had at its heart three core principles:

* That it meets the needs of everyone
* That it be free at the point of delivery
* That it be based on clinical need, not ability to pay

These three principals have guided the development of the NHS over more than half a century and remain. However, in July 2000, a full-scale modernisation programme was launched, and new principles added.

The main aims of the additional principles are that the NHS will:

* Provide a comprehensive range of services
* Shape its services around the needs and preferences of individual patients, their families and their carers
* Respond to the different needs of different populations
* Work continuously to improve the quality of services and to minimise errors
* Support and value its staff
* Use public funds for healthcare devoted solely to NHS patients
* Work with others to ensure a seamless service for patients
* Help to keep people healthy and work to reduce health inequalities
* Respect the confidentiality of individual patients and provide open access to information about services, treatment and performance

**What NHS look/qualities for in an employee**

* Leadership skills
* Organisational skills
* Listening skills
* The ability to manage challenging situations
* The ability to manage stressful situations.
* Developing expertise in specific link roles or through motivational interviews
* Problem solving
* Understanding change and developing the skills to adapt.

Developing these skills can support you to build confidence and self-belief.  Enhancing your personal skills can also offer important development opportunities.

MedicRecall Key Points

* How doctors learn new content and study for exams needs to be changed
* Goal is to encourage medical students to optimise knowledge memory by using evidence-based study techniques that have been shown to be successful in cognitive science studies.
* Help doctors get good exam results n use the collected info for clinical practice
* Three best study methods: active recall, spaced repetition, concept mapping
* To achieve these study methods, make a comprehensive platform with pre-made, peer-reviewed content delivered in a way that is beneficial n easy to understand as well as time efficient for busy scheduled medical students
* Have prior experience of 2 years working with undergraduates Computer Science Software Engineering Project
* Focused on creating web applications to help trainees study for the **MSRA** (**Multi-Speciality Recruitment Assessment** )
* Half of the exam is formed of situational judgement questions and the other half is comprised with clinical problem-solving questions
* The score of the exam will determine who will be on a trainee journey
* The higher the grade the more competitive jobs trainees will be able to land
* NHS target exam as it is believed that it has the biggest impact on how a medical trainee performs
* Any queries email will.mharris.org.uk
* 2 groups can work together (built on from previous work)

This year’s project requirements

* Make a comprehensive revision platform that will welcome host users
* Previously created a minimal viable product aimed at the situational judgement half of the exam
* Expand this and include the other half of the exam + new features
* App consists of premade decks of flashcards with an associated algorithm that helps users to re-revise topics at spaced intervals.
* Users are able to rate how much do they know off the flashcards
* Make a place for peer discussion n collab around sample questions and other necessary topics
* Provide users with practice papers that can be grades automatically with direct feedback n mark on their performance