Project Proposal

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Problem Statement

The threat of terrorism has increased exponentially in a world where it's not so obvious who your enemies are and aren't. Where types of attacks range from innocuous poisons, kamikaze bombings, digital espionage, and more. While many of these threats such as digital espionage can come from abroad some of these hostilities happen within country borders. The Parsons Green bombing, the Manchester Arena bombing, and the 7/7 central London bombings to name a few. Two of these acts(the Manchester arena bombing, and the 7/7 central London bombings) were committed by UK citizens. The third example was committed by an illegal immigrant who had been hiding within the country for years. How is it possible that each of these three acts occurred without warning? For them to live within United Kingdom borders for so long and move as they did without so much as a forewarning? That they acquired the necessary parts and clearances to do and get where they needed.

Consider another scenario. A family has an accident when visiting a new city. They do not have the proper documents or ability to communicate certain health risks that they or a member of their family may be prone to. Certain medicines or treatments that can't be used. How could they communicate that? How could the hospital know?

Significance

As it stands, an ID is a requirement for very little. Most citizens use a driving license or a passport for their identification needs. To blur further, the National Insurance card is used as their means for taxes, pay as you earn, and other financial needs. Such a diverse assortment of identification it's no wonder it's difficult to keep track of, that things fall through the cracks. That information is lost, unrecorded. Imagine a system where a terrorist purchases the parts necessary to make a bomb is added to a database. That said database then raises a red flag. Or the aforementioned family's medical history or conditions are easily accessible. Consider the lives that would be saved if such a thing existed, or statistics that could be gathered from an easily accessible collection of data.

Objectives

A system that catalogs every legal citizen within the kingdom is not fiction. Such a system could exist. In the span of 2-3 years it's possible to not only create a plan and visualize this concept, but make it a reality. Additionally a way to view and manage this data.

Deliverable

This proposal seeks to create a universal ID system to be used by every government facility in the kingdom. Cataloging metrics such as fingerprints, health records, eye color, date of birth, native or migrant, and much more. Such details will aid in not only national security but in burden of knowledge on citizens. This system will act as a means of identification for citizens and immigrants in the United Kingdom that will be automatically updated as facilities input data to their own databases. This data will be viewable via a physical card given out or by participating facilities with proper access.

Methodology

My style of methodology will be Hybrid. This style allows for a rigid structure with a slight allowance for errors and mistakes along the way. However a secondary style would be Waterfall. It is the more strict method to Hybrid. The failing of the previous ID was allowance for change. This must be remedied. As mentioned the Hybrid style does not allow for such frivolous changes or feature creep. It is a set in stone structure with only room for errors and emergencies.

Using the funds to be acquired the first step will be gathering the personnel and outlining a software database to hold the large amount of data. A vital secondary system is required to proof each entry with its source on a schedule. Ensuring that data is up to date and relevant. Third the planning, design, development, and launch of a physical device to read these ID cards will be necessary.

Risks

No project is without risk or challenges. This is no different. To lie is to belittle the intelligence of those reading this and to shy away from them is to risk failure and wasted money and effort. Unforeseen budget expenses such as with faulty hardware, glitches in the system that would need to be fixed, cyber security protocols, ensuring each piece of the system communicates with each other properly. Erroneous incorrect inputs into the database, attempted hacks, overloaded system stress. These are risks to be assessed and handled as they arise. During the first phase of the project potential risks will be assessed in order of priorities and preemptively taken care of.