Security report

Sixth Form App

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# Database

## Password Hashing

If the system is to be used in a live environment, it is important that students and staff can be confident that their passwords are safe from malicious attacks as well as safe from viewing by other staff and the developing team.

### Basic Overview

### Technical Details

The following diagram demonstrates how passwords are protected throughout their lifetime within the server. It covers the transmission of the data and storage of the data.

<ADD DIAGRAM>

The following calculation is an approximation of how long it would take to crack a single password which has been hashed by the BCrypt algorithm. (StackExchange, 2018)

## Password Resets

## Password Changes