Iteration 1 Plan

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CO600: JustHealth
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JustHealth Iteration 1 Plan

1.0 Aims:

- To have a fully functioning database with a web login screen
- The ability for users to be able to register and log in
- The login screen does not allow any erroneous data or attacks
- A 5 times failed login where the user will have to reset their password

2.0 Requirements:

2.1 Functional requirements:

- Ability to register an account
- Ability log in to that registered account
- Ability to reset password
- A user will be locked out after 5 failed attempts

2.2 Non-functional requirements:

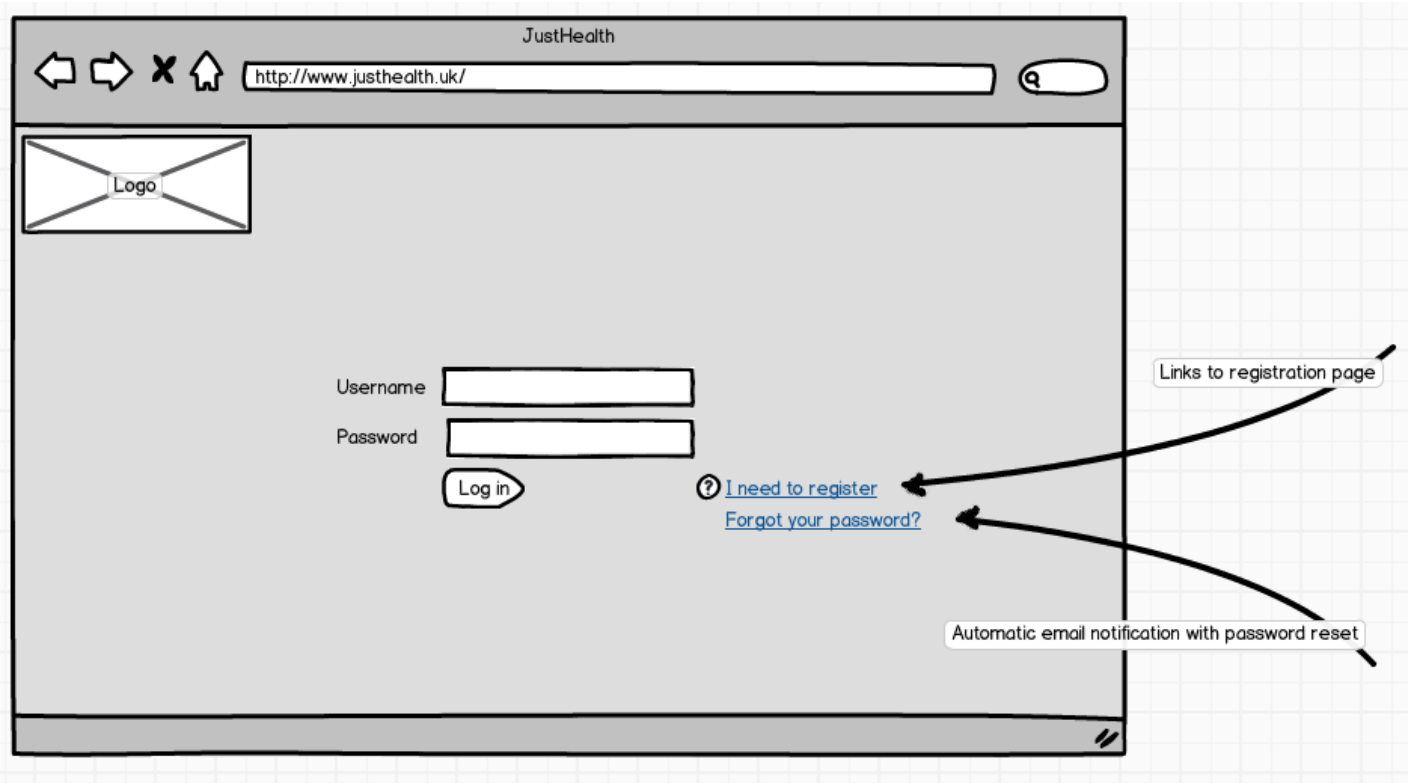
- User Documentation
- Security
    - Encryption of passwords and sensitive user information
    - In-line network security
    - Physical network security
- Robustness
    - Error handling
    - Security (as above)
    - Eliminate the possibility of SQL injection type attacks
- Ease of Use
    - Simple and intuitive design
    - Clear colour scheme

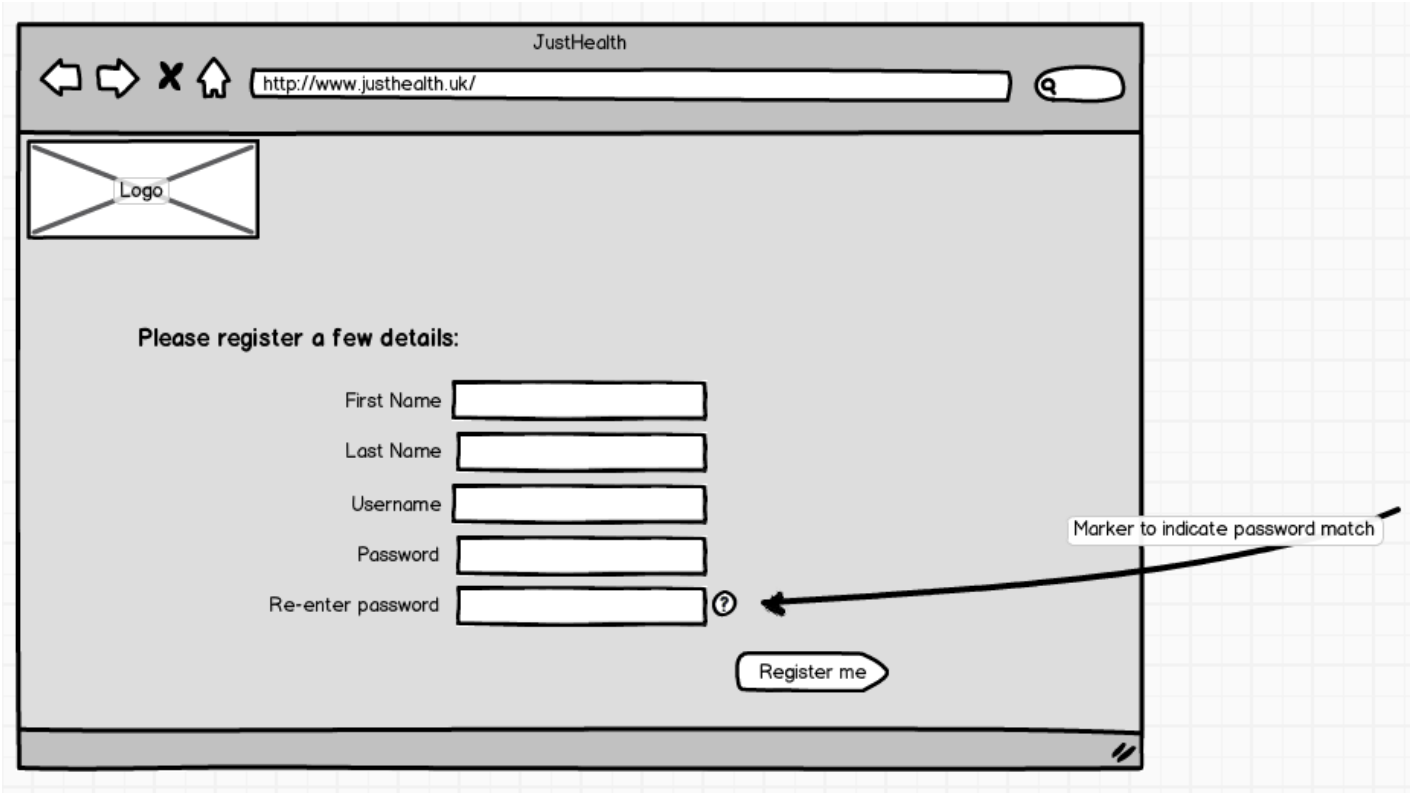
2.3 Domain Requirements:

- Security
    - Legal requirements will mean that the sensitive information e.g. password will need to be encrypted.
    - Terms and conditions accepting on registration
    - Tick box to acknowledge that data provided is accurate and that it is the responsibility of the user to keep this information up-to-date and is not the responsibility of JustHealth (registration)

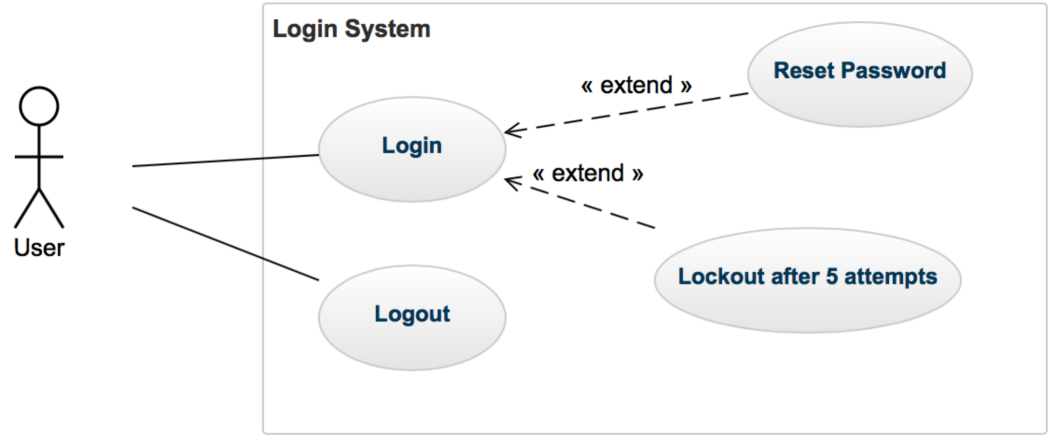
3.0 Design

3.1 Login screen design and registration page





4.0 Usecase:

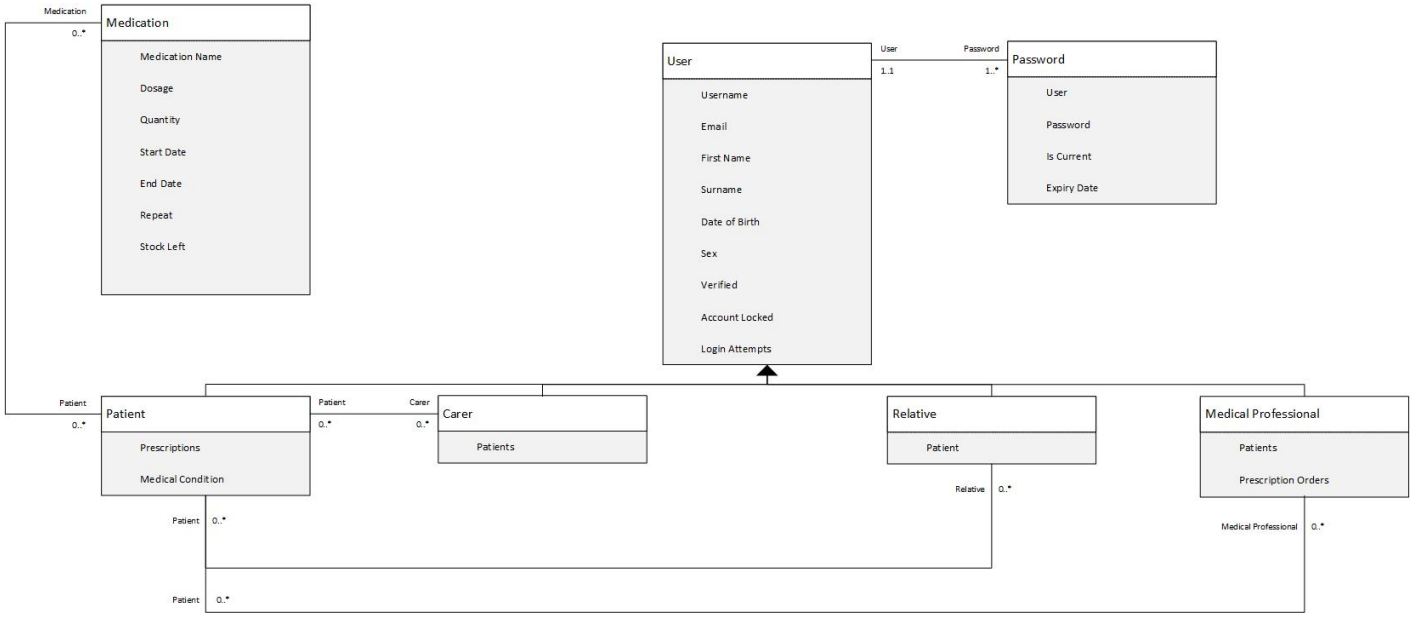


5.0 Database design:

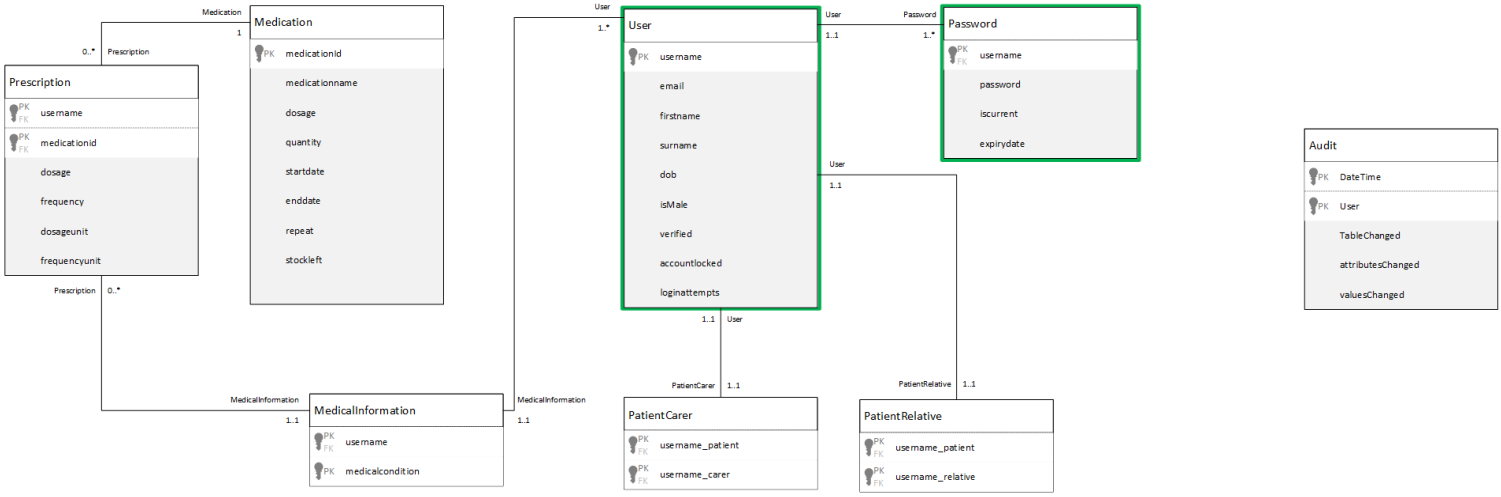
5.1 Assumptions:

- One patient can have many types of medication
- A patient can have no types of medication
- A patient may not have carer
- A patient may have more than one carer
- A patient may not have a relative
- A patient can have more then one relative
- One user can have many passwords
- A password only belongs to one user
- A patient may not have any medical professionals
- A patient can have more then one medical professional

5.2 Conceptual Data Model



5.3 Logical Data Model



Those tables that are highlighted in green are the tables that will be implemented in this iteration.