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| Iteration 4 Plan |
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JustHealth Iteration 4 Plan

# Aims:

* To have the ability for a carer and patient to be able to search for each other on both android and web
* To have the ability for a carer and patient to be able to connect to each other
* To make sure the connection is secure and completed in an effective way
* To ensure the POST requests are secure and authenticated.

# Requirements:

## 2.1 Functional requirements:

1. The ability for a carer to be able to search for a patient- Web
2. The ability for a carer to be able to search for a patient- Android
3. The ability for a patient to be able to search for a carer- Web
4. The ability for a patient to be able to search for a carer- Android
5. The ability for a patient and carer to ‘connect’- Android
6. The ability for a patient and carer to ‘connect’- Web

## 2.2 Non-functional requirements:

1. User Documentation
2. Security
   1. To ensure POST requests are secure and authenticated
   2. To ensure patients and carers connect in a secure and safe way
3. Robustness
   1. Error handling
   2. Security (as above)
4. Ease of Use
   1. Simple and intuitive design
   2. Clear colour scheme

## 2.3 Domain Requirements:

1. Security (Android and Web)
   1. Make sure all POST requests are secure
   2. Ensure patients and carers connect in a safe and secure way. Authentication to ensure a person is who there profile says they are.

## 2.4 POST Requests

# Design

## 3.1 Search for patient and carer

## 3.2 Connect Patient and carer

## 3.3 Database design update

Whilst planning the carer and patient connect function, we discovered we would need to add another table into the database. This is a separate table that would have the requestor and target as foreign keys and link from the patientcarer table. This new table would have the fields: requestor, requestor type, target, target type, code, connected. The reason we have decided to do this is because when we add more clients such as, doctor and pharmacist we would need to add their connection in also. Having another table will also mean less clutter and less impact on performance.

# 4.0 Use case: