

# IN PARTNERSHIP WITH PLYMOUTH UNIVERSITY

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Module Code: PUSL2023	Module Name: Mobile App Development
Coursework Title: Mobile App Development Project Proposal	
Deadline Date:	Member of staff responsible for coursework: Mr. Iman Ashly
Programme: Bsc (Hons) Software Engineering	
Please note that University Academic Regulations are available under Rules and Regulations on the University website <a href="http://www.plymouth.ac.uk/studenthandbook">www.plymouth.ac.uk/studenthandbook</a> .	
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**We confirm that we have read and understood the Plymouth University regulations relating to Assessment Offences and that we are aware of the possible penalties for any breach of these regulations. We confirm that this is the independent work of the group.**

Signed on behalf of the group:

*shehan*

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## Problem Statement

- ❖ In our society many people are in need for caretaking this can include people with dementia and Alzheimer's, elderly people, people with special needs and mothers with post-natal care.
- ❖ Many people spend a considerable amount of time and resources to find qualified people to take care for their loved ones since this involves vulnerable people the caretaking people should be trustworthy and certified also, they should be from close by area.
- ❖ People are used to post adds on papers offering services or searching for caretakers this can be very costly and inefficient.
- ❖ We are hoping to build a mobile app to connect these professionals with people who are in need of their services using this app caretakers can promote their services with a minimum cost while users can get the services, they are looking for quickly. They can simply enter the type of service they are looking for and required location and the app will show the caretakers for the following category in that area.

## Functionalities of the Application (Functional requirements)

- ❖ Ability for the caretakers to create their profiles by signing up and uploading their personal information and select the type of service they are willing to offer.
- ❖ Users can create accounts to find services they want.
- ❖ They can select the location and service category type they need and the app will show caretakers according to their choice.
- ❖ Location based search will be done by integrating Google maps API
- ❖ Users can call or chat with them and arrange for employment.
- ❖ Also hoping to add a ranking feature so users can comment on the quality of service they received by their caretakers.
- ❖ According to time availability we will try to implement a payment gateway itself inside the app.

## Non – functional Requirements

- ❖ Application security  
The application login should be secured such that no unwanted access is granted.
- ❖ Database security  
The database of the application should be strongly secured since employee's details and personal information is stored it should be valuable for un wanted people.
- ❖ Application Compatibility  
Since this application is developed for android, it should available for many versions as possible we are developing this for Android Lollipop 5.0 therefore it will be available for more than 95% devices used in the world.
- ❖ Scalability for application  
The app should be scalable for future increases in users such that its performance would not be affected.
- ❖ Consistency and Usability  
The application should be straightforward, in the sense that it should be easily comprehensible by everyone. The user interface (UI) should be intuitive. When interacting with customers, the user interface should not be a source of frustration. The software must be understood by users of all ages. It should be simple to use for anyone with any level of education, since it is used by individuals with varying degrees of understanding. So that everyone can recognize the layout, button, and position.

Some sample UIs (Not finalized)

homeCARE

Loading...



**I want to**

**HIRE A CARETAKER**

**OFFER SERVICES**

**Already have an account?** [Login here](#)

←

homeCARE

Name

Location

Description

Show more>

Call

Chat

Name

Address

Raitings

★★★★★

Name

Address

Raitings

★★★★★

Name

Address

Raitings

★★★★★

homeCARE

Email address or Username

Enter New Password

Confirm your Password

Next

Already have an account? [Login here](#)

homeCARE

✉ Email address or Username

🔒 Password

[Forgotten your Password?](#)

Login



User Name

you can use Letters, Numbers & Periods

Email address

Password

Use 8 or more characters with a mix of letters numbers, & symbols


Confirm Password

Sign up

Already have an account? [Login here](#)

←

homeCARE



I'm Looking for

Doctor

Physio

Nursing

Care Taker

Elders Care

Post Natal Care


Location


Search

☰

homeCARE

What are you looking for?





Name  
Address

Raitings ★★★★★

Name  
Address

Raitings ★★★★★

Name  
Address

Raitings ★★★★★

Name  
Address

Raitings ★★★★★

Name  
Address

Raitings ★★★★★



### Commercial Value

- ❖ By providing a platform for caretakers they will be able to generate a huge income stream and once the app is well marketed, we can charge them an appropriate fee for creating accounts or an extra amount if their profile needs to be ranked top on search results.
- ❖ We can also charge for third party advertising through google ads and generate an extra income method, according to time availability we will try to implement a payment gateway itself inside the app.