**Group Project Product Backlog**

Document Purpose:

* This document servers as a record for the work that has been completed and will be completed throughout the course of the Group Project developing a system that aids in the diagnosis of dementia.

Group Members:

1. Fawaz Olatunji – Backend/Database
2. Ben Murphy– Mobile Android Application
3. Gavin Moore – Web Application
4. Daniel Soden– Group Lead and Machine learning

Product backlog:

1. Fawaz Olatunji:

**Tech Stack:**

* SQLite
* Golang + Fiber
* MongoDB

**Individual Backlog:**

* Design Tables – Patient/Doctor user table, Patient/Doctor account table, Test tables etc.
* API to save account creation and deletion mobile application
* API to save account creation and deletion web application
* API to store test results, scores and outcomes.
* Stripe payment service + Security in payments
* Design admin accounts that have elevated privileges

1. Ben Murphy

**Tech Stack:**

* Kotlin
* Jetpack Compose component library

**Individual Backlog**

* Add logo or image on home page/dashboard
* Design and implement register page
* Design and implement login page
* Implement and collaborate with Fawaz for forgot password functionality for
* Implement and collaborate with Fawaz for 2FA
* Enforce Required fields at creation
* Split account creation into categorized stage – Personal details, Address details etc.
* Design and implement bottom nav bar
* Questionnaire Class
* Questionnaire frontend
* Questionnaire backend sending data
* Classes to store speech data.
* Speech to text api - Speak for 1 minute about image displayed
* If possible, have microphone test to ensure no issues.
* Cognitive mini tests - Prompt user to take test on login periodically???
* Support ticket frontend - to devs
* Support ticket backend - to devs
* Support ticket frontend - to healthcare providers
* Support ticket backend - to healthcare providers
* Dementia score tile at home menu - links to summary from all completed tests
* Ratings and Reviews - Simple api call to send user to play store

1. Gavin Moore

**Tech Stack:**

* Reactjs
* Tailwind CSS

**Individual Backlog (Similar tasks initially to mobile)**

* Add logo or image on home page/dashboard
* Design and implement register page
* Design and implement login page
* Implement and collaborate with Fawaz for forgot password functionality for
* Implement and collaborate with Fawaz for 2FA
* Enforce Required fields at creation
* Split account creation into categorized stage – Personal details, Address details etc.
* Add separate stage for doctor “verification”
* Design and implement top nav bar
* Speech to text api - Speak for 1 minute about image displayed
* If possible, have microphone test to ensure no issues.
* Cognitive mini tests - Prompt user to take test on login periodically???
* Dementia score tile at home menu - links to summary from all completed tests