**Obtain user ideas:**

Who is our target audience? Do we have one yet? This is still being motivated by the research.

Brainstorming:

Investigation of existing systems: 1) Dr Kawashima Brain Training

2) “Brain-Training” apps

3)

Interviews/Questionnaires: Do we mock-up questionnaires for users? Who and how would we ask?

**Decide on general design approach:**

- We have settled on “self-improvement” design principle i.e. UI and general experience is motivated by the goal of the user being able to “brain train” as efficiently as possible – hopefully thanks to the apps design

- Simple, but well done. No need to implement 50 features off the bat – we want to take our time in researching potential features

- Built with accessibility and usability in mind. What problems might we face ? How can we handle them? Are our solutions at detriment to the “self-improvement” principle?

**Specify the initial requirements:**

Do these come from questionnaires, brainstorming, discussion of similar systems, or a combination of all three.

From there, we can look into developing user stories, and then a use case diagram

Requirements/Design from other apps:

i.e. Elevate, Peak, Lumosity

they offer: - a means of tracking progress (does that require a login?)

- an intuitive way of displaying skill proficiency e.g. bar chart, pie chart, RADAR GRAPH!

- incentive to use the app (i.e. notifications, or think hot streaks like DuoLingo)

- Asks the user to pick what they want to improve (arithmetic, memory, language, problem solving)

- Tests user on first use to establish baseline

- Difficulty of tasks is provided/tailored based on user abilities (is that a requirement?)

- rating system?

We can bring these up and then rank them MSCW style

Split tasks between members:

* Develop a low/medium fidelity prototype (slideshow perhaps) showing the overall design, and some simple features (x2 people?)
* Use case diagram for system, and descriptions of two use cases (Someone will need to work on this before the prototype is done – maybe mark in GANTT chart?)
* Evidence that a variety of requirement gathering techniques have been used (I will research this in the mean-time)
* Revised project plan for the remainder of the project – need to set that up in the first place, as do we need a WhatsApp group, GitHub repo – can delegate that maybe