

Make Progress

Challenge Rating: 2/5

This project is based on some work done by MMU's Centre Of Excellence in Teaching and Learning. It's intended to help students visualise their progress in a study area they have difficulty with.

The app starts by asking the user to name their areas of interest (10, maybe), or subjects within a course they are doing. They can pick colours for each subject and personalise as they like.

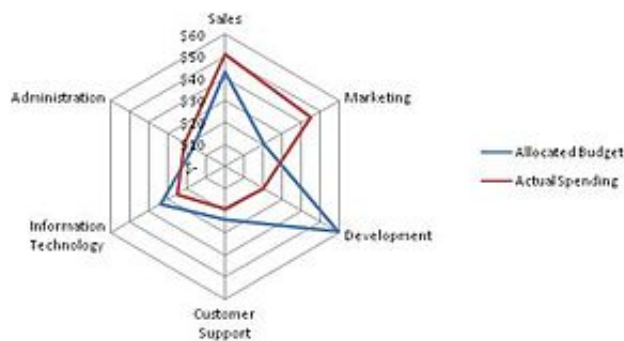
The app then asks them to rate how they feel about their progress in each subject, using a number. The range of the number is set within the app, but it could be a percentage or 1 - 5, whatever is comfortable.

Every day at the same time, the user is prompted to quickly fill-in their stats.

The UI is very special and is key to the app: the student can see the change in their confidence for each subject over time, or aggregated and compared with the others.

The most important UI feature is the Wheel.

[Example graph]



The user can see their confidence in their subjects on a radar plot, for each point in time over their course of study, since they started. They can use a slider to change the time presented.

Utilising Cordova, Ionic and an SVG library (D3.js), you will develop a cross-platform mobile app that will allow a user to set their measurable targets in multiple subjects, record progress and review/compare progress over time.

Subjects will be grouped into projects, so that a user can organise more than one set of subjects. Each project will have its own set of subjects, maximum and minimum confidence range, and colour scheme.

Users should be able to share project definitions. In this way, a tutor should be able to send a project definition out to her class at the start of a course.

Users should be able to share completed data: in this way a tutor should be able to receive an understanding of how confident her individual students are, as they progress through the course.

Stretch: What about adding notes to a chart, or time line, to explain why a user might be feel really confident / under confident?

Experience Areas

This project will allow members to gain and exercise knowledge and experience in the following areas:

- Project Management
- Web technologies (HTML, Javascript)
- Cordova, Ionic & AngularJS (Cross platform mobile application)
- UI / UX design
- Data formats

Possible costs

n/a

Equipment or Accounts needed

n/a