## Student Names:

Dylan Carr & Donal Bolustrom

## Supervisor:

Joseph Corr

## Project Name:

Budget Buddy

## Description of Project:

We have decided to create a mobile app targeted towards students for tracking their spending, to help with managing their finances, and saving money. As students ourselves, we feel that we would benefit greatly from having an intuitive way to see where exactly our money is going, so we can make informed decisions on where to cut costs. It’s because of this that we were drawn to this project.

The way the app will function is that after spending money, a user can log it in the app, by inputting the amount spent, and what general category the transaction falls under (bills, entertainment, etc.) with an option to create custom categories. Whenever a student does this, the app’s database of spending is updated. There is going to be a section of the app where users can check their history of logged spending, and see it broken down into pie chart form, with different categories being represented by different colours.

## Technologies Planned to be Used:

* React Native
* JavaScript
* MongoDB
* More if the need arises!
* Jira

## Objectives:

* Have the app prove genuinely useful to its users in helping track their spending
* Make progress on the app at a steady rate, and reach the milestones on time.
* Have a feature complete, aesthetically pleasing, and user-friendly application for both IOS and Android by the end of the semester.

## Features:

* Account login system.
* Custom categories.
* Log entries into MongoDB database.
* Pie-chart graphic, separated by category.
* Spending History log.

## Methodology:

* Agile development, using sprints.
* Testing using React Testing Library, potentially Jest.

## Milestones/Plan:

* March 9th: Finalise selection of database type, framework used.
* March 16th: Blank web-app that connects to remote database.
* March 23rd: Category system implemented.
* March 30th: App successfully displays purchase history from database.
* April 6th: Begin work on pie-chart graph display.
* April 13th: Complete functionality.
* April 20th: Tighten up front-end and UI.
* April 27th: Bug fixes.
* May 4th: Submit final project, work on presentations.