

Measuring the Effectiveness of a Gamified Smartphone App in Encouraging Healthy Behaviour Amongst Students

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Students are known for their unhealthy lifestyles – research suggests that 59% suffer from malnutrition. Unhealthy behaviours are carried forward into later life, so it is crucial that their habits are improved for them to stay healthy in the future. This project aims to encourage students to eat healthy, with an emphasis on them cutting down on their sugar intake. Subsequently, a gamified smartphone app has been developed to educate students to improve their healthy behaviour and educate them on the risks they are taking.



User Studies and Evaluation

To evaluate the app, user studies were conducted on a sample of students. These students were asked about their eating habits and comparisons were made before and after the app was used. The study determined that feedback was the most effective of the three gamification techniques utilised within the app, and showed a significant reduction in sugar consumption from respondents throughout the week. Evaluations were also made on the app itself (users were given open-ended questions to give their feedback on how the app could be improved).