

BUSINESS CASE	
Proposed Project	Our idea is an app for recycling which identifies whether or not a certain item can be recycled, with information on how and where you could do that. It will include a feature that pinpoints nearby recycling centres for the user. This app will hopefully raise awareness, and encourage more people to recycle.
Date Produced	October 17, 2022
Background	Our team has decided to make an app that makes it easier for people to get the information they need about recycling. Generally, people have good intentions when it comes to recycling, but often do not know how, and don't bother learning. Due to this, we see the need for an all in one information application, where users can go to find what they're looking for, from a trustworthy source.
Business Need/ Opportunity	Recycling is extremely necessary for the success of our species moving forward. Without it, waste buildup would get out control and result in an inhabitable planet for us. By recycling, we are helping to eliminate this risk, while contributing to other issues such as pollution in general, and climate change. Without a healthy planet, we have no future. For this reason, our group sees this project as an opportunity to do something worthwhile. An app that encourages more people to start recycling through its ease of use, is something that we can make, which has the potential to make a difference.
Options	The potential approaches that we will use in the project will using Node.js as our backend programming with a combination of express. The frontend part of our app will be using JavaScript along with some Cascade programming and react. In addition, we will be using Adobe XD to design our prototypes for user feedback and to further tune our app.
Cost-Benefit Analysis	
<ul style="list-style-type: none"> • This project development will require extra time in addition from the class time to fully produce a working product. • Potential purchase of copyright licences for the database API's • Highly inclined towards market recognition as it is based on a on-going environmental concern • The potential risk is when the users would try to add an item in the database in the scenario if their recycling product is not the system there is a chance of potential dump data where the user adds false information. 	
Recommendation	

- In order to stay on top of the time frame in the development of this project, we would need to start fairly early in the development process to assess user feedback and fix bugs if any
- Need to find free API kits with a decent database which allows us to add additional data if required.
- Need to set a criteria such as the type of information, product types for the users entering in the database to avoid dump data.