Project Proposal

Class diagram

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# Proposal

For the purpose of this assessment, we chose the 7th UN Sustainability Goal, Clean and Affordable Energy. After some brainstorming, we decided that our two sections would be;

* An energy survey where people can volunteer information regarding their energy expenses and use. This helps the UN sustainability goal by gathering information regarding energy use in Ireland that can be distributed to the right organisations.
* An energy conversion calculator that takes user input regarding their energy use and some information on their energy use along with how much solar panels cost in their area, then it performs calculations to indicate how much solar production they can get, how much it will cost and how long the payback period will be.

## Working together

All these sections work seamlessly together, for example, you can directly go from the survey to the ‘Get a quote section’ and vice versa.

# GUI

The gui components will be developed using Jframes as they are easy to use and work well in netbeans IDE. After using these for the duration of the project I would say Swing is a great tool for developing simple java apps however there were some difficulties most could be worked around but we could not figure out how to set the look and feel correctly and we tried most things this would be the one area we would like to improve on.

# Who is doing what?

* Section one (Survey) – Joeseph Grace
* Section two (Calculator) – Stephen Sludds

# Class Diagram:

The class diagram was developed by both of us.