**Project Journal**

**This project is about the housing crisis in ireland, we work with 3 datasts to show how the population is pretended to grow in comparison with the construction of new houses.**

**Week 1**

**Finding a problem**

Each member of the team, work collecting information on topics of possible interest

One of the possible topics was contamination since we had been working with a dataset on this in another class.

Finally we chose the housing crisis since it seemed to us to be a topic of interest to the entire population and the datasets adapted to our needs.

**Alberto Cruz and Itandehui Rivera**

**Define Objectives**Using the datasets available on the website, it was decided to compare population growth, new housing developments, and the number of homeless individuals.

**Itandehui Rivera**

**Identify Data Sources**

Coolect reliable data from reputable sources such as government reports. News papers and previous papers.

**Alberto Cruz**

**Week 2**

**Abtract and Introduction**

Write the firs part of the report using the mos relevan information founded in the data sources.

**Itandehui Rivera**

**Coding**

Once it was decided to work from JSON files, I started working with the dataset with the house construction prediction.

Transform the file into a dataframe. I did the pre-processing with the help of the Pandas library.

**Alberto Cruz (household formation) and Itandehui Rivera (Population expectations)**

**Week 3**

**Coding**

While working with the dataset, we encountered several challenges when trying to graph certain columns. One issue was that the data wasn't in the correct format, and there were missing values in some cells. The principal problema I had to convert colums from object to Integer but I hadn notice some numbers werent recognize until I coul not use them in other parts of the code.

**Alberto Cruz (household formation) and Itandehui Rivera (Population expectations)**

**Report**

Write the next parts of the report

**Alberto Cruz**

**Last week**

**Coding**   
work on the third dataset.

**Itandehui Rivera**

**Report**

Check the format, gramar and all details in the report as well as add the information missing

**Alberto Cruz**

**Video**

Each member record a video explaining their part of the code

**References and Cover**

Give format to the references and put the cover in the report

**Itandehui Rivera**