**Path Finders**

Group members:

* Kirran Kayani
* Kantai Melau
* Chadi Ghosn

We are a group of students, looking to help our community by creating a dashboard and a website that will help all prospective students, find the best and most suitable university in the UK to apply for.

Diagram

Description automatically generated

Our main data will be collected from 2 different sources, first source is [Kaggle](https://www.kaggle.com/datasets/leonler/the-guardian-league-table-main-table-20132021) where we will be getting data about university ranking from 2013 till 2021, and the second source will be a web scraping code, that will extract same data for year 2022 from [The Guardian website](https://www.theguardian.com/education/ng-interactive/2021/sep/11/the-best-uk-universities-2022-rankings) and append it to the main data frame.

In addition, this data will be deployed on a Postgres SQL server as it’s a structured database and our data contains strictly values without any binary related info.

This full process will be developed in one centralized code that will curate and cleanse all the data.

Moving from python, the data will be exported as well to an excel file that will be used as data source for a Tableau dashboard. The report will be published and used as a final product.

Moreover, we will be using HTML and CSS to develop a website, using a Flask based application and a JavaScript code that will properly create a website with our findings, as well as visualizations, and interactive menus for ease of access.