**GROUP-11**

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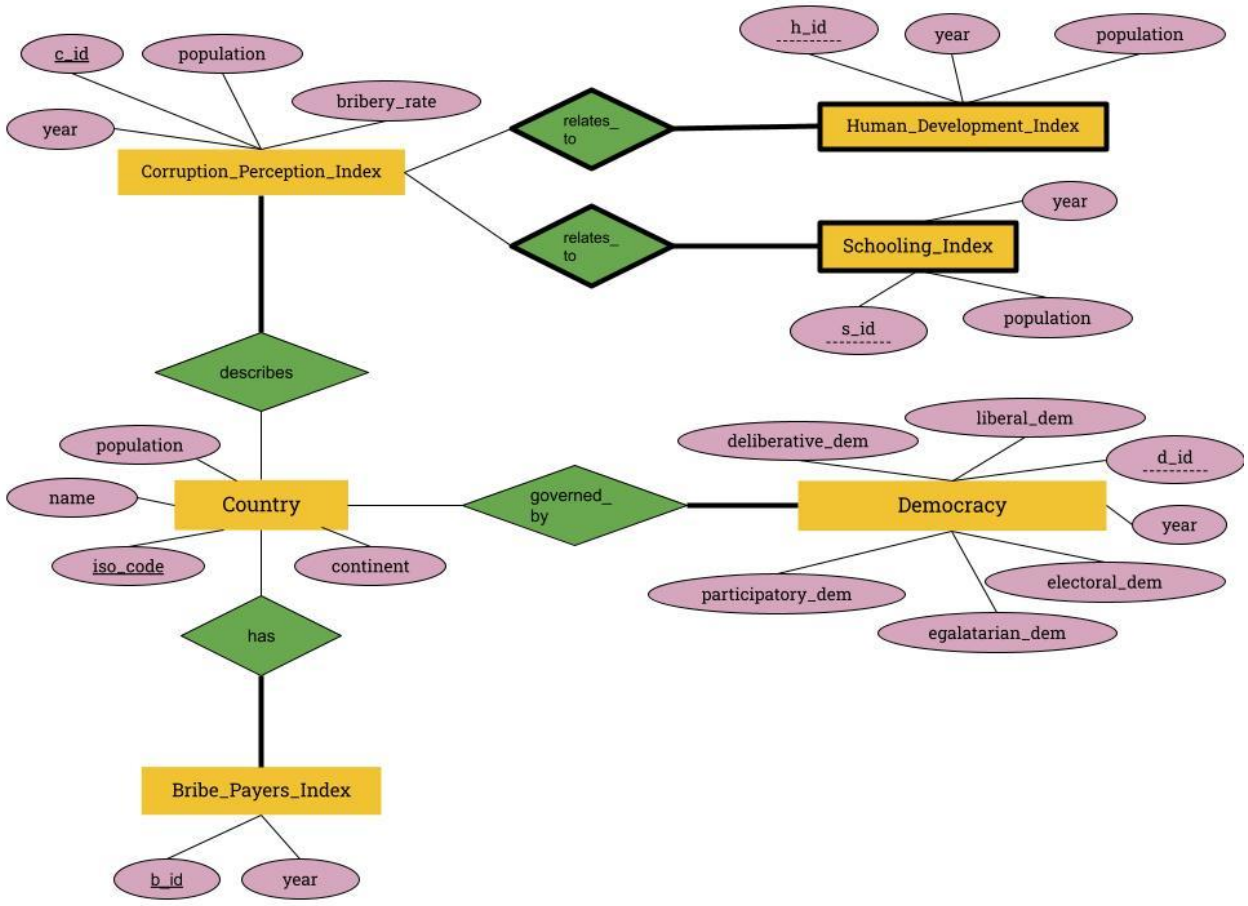
# Developing a Precise Corruption Measurement System

Corruption is a pervasive problem that can have far-reaching consequences on a country's political stability, economic growth, and environmental sustainability. It is a complex phenomenon that is difficult to quantify, but the precise measurement is essential to understanding its impact and developing effective policies to combat it.

In our project, we aim to develop a comprehensive database management system to measure corruption in different countries. Our goal is to create a system that provides a precise measurement of corruption by investigating countries' corruption perception index and its relationship with various other indices such as the human development index, schooling index, bribe payers index, and democracy.

To achieve this goal, we will collect and store information about different entities such as the country, corruption perception index, human development index, schooling index, democracy, and bribe payers index in our database management system. We will also establish relationships between these entities and their attributes, which will be displayed in our database management system. These entities, relationships, and attributes are shown in our ER model below:




By developing this system, we hope to provide valuable insights into the current state of corruption in different countries and its relationship with other important indices. This information will be useful for policymakers and international organizations to develop effective policies and strategies to combat corruption and promote sustainable development. Ultimately, we believe that our project will contribute to a better understanding of corruption and its impact on society, leading to a more just and equitable world.

In our project, we have selected several CSV files containing important data related to corruption, democracy, and development indices. Specifically, we have chosen CSV files for Country, Democracy, Bribe Payers Index, "Paying Bribes vs Corruption Perception and Human Development Index," and Schooling Index. For each entity, we have carefully selected the attributes that are most significant for our project.

Once we had selected the relevant CSV files and attributes, we cleaned the data to remove any duplicate rows and eliminate any invalid or missing values. This process ensured that our database management system contains accurate and reliable data that can be used for precise measurements and analysis.

Finally, we formatted our data to ensure that it is easy to read and analyze. This involved optimizing the margin and padding settings for our rows and columns, which helped to improve the readability and usability of our data.

Overall, by carefully selecting and cleaning our data, and formatting it in an optimal way, we have created a database management system that is well-suited for measuring corruption and related indices in different countries. This system will provide valuable insights into the current state of corruption and development around the world, and help policymakers and organizations to develop effective strategies for promoting sustainable development and combating corruption.

Our GitHub link: https://github.com/berkkayabas/CS306-PROJECT.git