**Potential Ideas for Dissertation Question:**

**1. An application that helps users research properties and how economic variables alter the housing market in the United Kingdom:**

The application:

<Main Aim>

- Show a variety of houses (such as Zoopla) and current prices

- based on user input, show graphs of the house price fluctuation throughout different years e.g. from 1994 to present

- based on user input, show prediction of housing market e.g. present to 2030 (based on what knowledge there is)

- have several ‘IF’ scenarios such as recession which would affect the housing market.

<Additional>

- User can input mortgage amount and application can work out yearly payments (Based on average obviously)

- Find out the value of the house could be worth in several years

Economic variables:

- Research how macroeconomic variables such as inflation or interest rates affect housing market in the United Kingdom

- Research how microeconomic variables such as individual firm’s behavior can affect the housing market in the United Kingdom

- How can other economies in other countries affect the housing market in the United Kingdom

Dissertation:

– The report should have two parts:

- A part explaining the steps undertaken regarding the application. Show how the data was collected and inputted

- Another part explaining the research undertaken, explanation and what the findings show and any correlation between housing markets and economies.

- Must show what was done throughout the whole year.

**2. How economic variables impact an economy; aiding a bank loan/credit application**

The application:

<Main Aim>

- User inputs required data for formulas to workout credit rating

- Will have several different formulas for the user to select from

- have a section on recent financial news affecting the economy

- graphs showing interest rates, inflation rates over the years

<Additional>

- Changing currency to suit any economy

- Having the current currency linked in so it is never out of date.

- Have a currency converter calculator included

Economic variables:

- Research how macroeconomic variables such as interest rates affect the economy around the world. Focus on one main economy, using others as tools.

- Research how microeconomic variables such as individual firm’s behaviour affects the economy around the world.

- Find other variables that affect the economy. Positive or negative. Ensure that they do not fall in the category of economic variables.

Dissertation:

– The report should have two parts:

- A part explaining the steps undertaken regarding the application. Show how the data was collected and inputted

- Show the link of live exchange rates and how it works.

- Another part explaining the research undertaken, explanation and what the findings show and any correlation between economies and individuals credit ratings.

- Will be able to explain if it is more likely that people’s application get approved in good/bad times

- Must show what was done throughout the whole year.

**3. The correlation of organisations, society and the economy on the rise of fitness/healthier lifestyles; to aid a portable personal trainer application**

The application:

<Main Aim>

- User inputs data e.g. weight, height

- Can gain information on recommended daily calorie intake

- Ask user what is their goal; lose weight, gain muscle mass

- workout ideas with pictures and videos explaining the exercise.

- provide a recommended diet for the goal and user preferences e.g. if user is allergic to nuts, recommend things excluding nuts.

- provide user with estimate time for the goal set if routine is followed.

- have a section of other useful information such as amount of sleep etc

<Additional>

- Changing the language

- Ratings to show what users find the most useful exercise/workouts

Economic variables:

- Research how macroeconomic variables such as interest rates affect the economy around the world. Focus on one main economy, using others as tools.

- Research how microeconomic variables such as individual firm’s behaviour affects the economy around the world.

- Find other variables that affect the economy. Positive or negative. Ensure that they do not fall in the category of economic variables.

Dissertation:

– The report should have two parts:

- A part explaining the steps undertaken regarding the application. Show how the data was collected and inputted

- Show the link videos, photos and ratings.

- Another part explaining the research undertaken, explanation and what the findings show and any correlation between organisations, economies, society, and individuals to the rise of a healthy lifestyle.

- Will be able to explain what caused a bigger awareness.

- Must show what was done throughout the whole year.

**The rise on how much people have spent on gym etc**

**Make prediction e.g. over next 5 years people are joining gym because of social aspect**