POW**E**R F∧CTORS

EUA Team Assignment
(Frontend React)

Thank you for taking time to complete this assignment!
This assignment should take approximately **(1) full week** to complete.

You have to create a new React project hosted at *(stackblitz / bitbucket / github) using Disney REST API to create a dashboard.*

At this dashboard the following UI components should be present, plus you can add more UI elements if you think they will give value at the end result, like buttons, ribbons, chips etc, unit test or documentation. These components could be custom made or taken from a library like Material UI.

In this app an external state like Redux should be used and only functional components.

- **Data table**
- **PIE chart** (highcharts)
- **List of elements**
- **Modal**
- **Form**

Use the following user stories to complete this project

- **As a user I would like to be able to see and navigate through all Disney characters in a table.**
    - *Table columns*
        - Character name
        - In how many TV shows this character participates in.
        - In how many Video Games this character participates in.
        - The name of the allies this character has.
        - The name of the enemies this character has.

    - *Table functionality*
        - The user should be able to select to display [10,20,50,100,200 and 500] characters per page.
        - The user should be able to navigate to the next or previous page.
        - Each page should display 50 characters initially.
        - The user should be able to search and find a desired character across all available characters.
        - The user should be able to find a character participating in a TV show.
        - The user should be able to sort the list of characters per page by name.

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- **As a user I would like to see the details of a character by selecting a table row element, on a modal.**
  - *Inside the modal should be present*
    - The character name
    - The character image
    - The list of TV shows and Video games this character participates in.

- **As a user I would like to be able to see on a PIE chart every table page character results.**
  - Each portion of the chart should be the number of films each character participates in.
  - When hovering on a portion it should be displayed the percentage of the portion and the list of films.
  - The user should be able to export the data of the chart in a xlsx file.
  - Each time the table view changes the chart should be updated accordingly.

" Trust yourself, enjoy and impress us with your way of thinking "