

Milestone 2 - Team Vizzz

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1 Introduction

The main goal of our project is to visualize the development and achievements of Disney movies throughout its long history from 1940 to 2020. We hope our website can provide a global view of this topic for the audiences while entertaining them with interesting interactions. In this project, we will visualize the most popular movies and characters in history, the budget, box office and the staff members of Disney movies.

2 Minimal Viable Product

2.1 Home Page Scene

The first section will work as the home page of our visualization. The main content will be a video of the standard Disney title sequence, the purpose is to give the audience a feeling of watching a typical Disney movie when browsing our website. A button will appear near the end of the video. The audience can click the button to start to explore or go to any other scenes through the navigation bar.

Required Knowledge: Web Development and JavaScript

2.2 Character Scene

The characters scene will be an interactive scene focused on characters in Disney movies. When the audience enters the second scene, a series of characters will appear on the screen in a monochromatic format. The audience could select his/her favourite character and the selected one will be coloured. A background story/some data visualization will appear for the selected character as well.

Required Knowledge: D3.js, Interactions

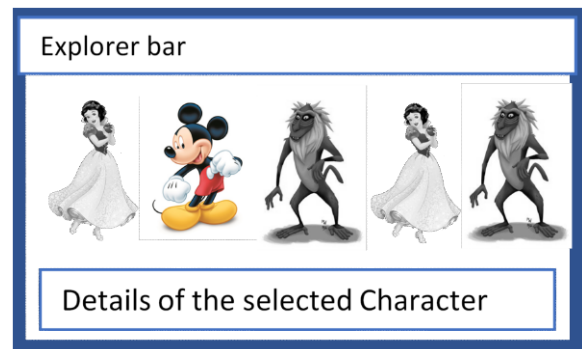


Figure 1: Character Scene

2.3 Best Movies Scene

The idea of the best movies scene is to present the highest rated movies from Disney. There will be a timeline presenting the issue time for the popular films. When the audience selects the icon of the specific movie, the detail of the movie will appear at the bottom.

Required Knowledge: D3.js, Interactions

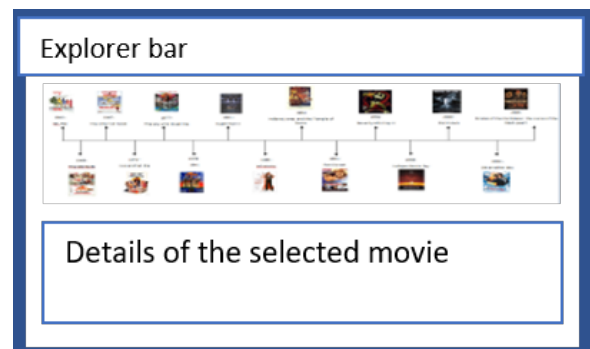


Figure 2: Best Movies Scene

2.4 Finance Scene

The scene will present the tabular data in finance aspect, including the budget, the adjusted profit and the box office. We will plot the information for all movies at one plot, an efficient and intuitional way will be chosen. Currently, we are thinking about visualization as shown, as we have more than 200 movies, we will use brush to make the graph scalable. **Required Knowledge:** D3.js, Interactions, Tabular data



Figure 3: Finance Scene

2.5 People Scene

This scene will present the directors, producers and music directors related to Disney movies. A viz graph will be used to show the links between the people and the films, each role will have a graph like the one shown on the left. The other will show collaboration between the people, we will use d3 force directed graph to construct the network. In this basic version, when examining the cooperation between people, we mainly focus on people with the same role.

Required Knowledge: D3.js, Maps, Graphs, Text viz

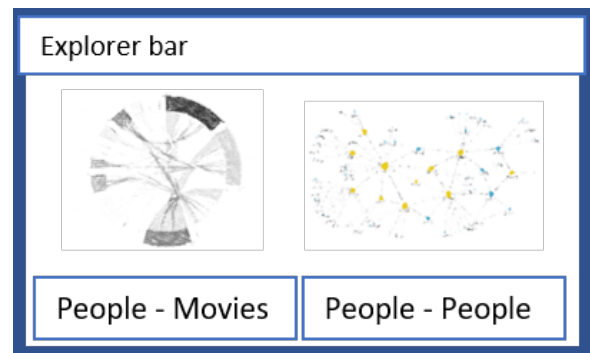


Figure 4: People Scene

3 Creative Ideas and Adding Interactive

If we have time, we would like to implement the following ideas:

- Change the font to customized Disney font so that the whole webpage will be more coherent.
- Change the video in the first section to animation that can have sparkling effect after the welcome button is shown. Current version is static after the video is finished.
- Add more interactive elements in the website. For example, playing theme song of corresponding Disney movie when hovering or clicking at a popular Disney movie in the timeline.
- Add another part showing the relationship between staff members across their roles in movie production. For example, we can explore the cooperation between directors, producers and music directors in the history of Disney movies.

4 Tools

D3: used to produce the interactive visualization in our website.

Bootstrap: used for implementing the layout of website and adding components.