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CS 257 Team I Project Proposal
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Casting the Oscars

Team I will be creating a website that allows movie fans, studio executives and filmmakers to discern trends and patterns in past Oscar winners to make decisions on movies and filmmakers to watch and invest in.

A deeper dive into audience and website goals

The film students and movie fans who will visit our website are the ones who have an interest in film history and want to explore how the concept of a popular film has evolved over the years and the possible social realities that have shaped that evolution. The studio executives and filmmakers who visit our website are the ones who are looking to potentially start a new project and want to make the best financial and creative decisions when it comes to casting production staff.

User Stories

A. The general audience who are interested in movies

> As a movie fan, I want to see the list of recently awarded movies, so that I can decide what movies to watch next.

B. Directors who are willing to be awarded

> As a director, I want to see the list of actors who have recently got awards, so that I can decide whom to cast in my future projects.

C. Actors who are willing to be awarded

> As an actor, I want to see the list of movies and actors of past Oscar winners so that I can watch them as a reference to develop their acting skills.

D. Researchers or students in CAMS who are studying the trend of award-winning movies, actors, directors

> As a student studying Cinema and Media Studies, I want to see the movies awarded and their year and genre, so that I could learn the trend of popular movies by generation.

E. Investors who are investing their capital in movie industries (studio executive etc.)

> As an executive at Warner Brothers, I want to see the list of recent award winners, so that I can determine what/who I should invest in next.

Requirements

- Display recent Oscar Best Picture winners.

- Display recent Best Actor and Actress winners.

- Display most successful categories and genres for winning Best Picture and other major awards at the Oscars.

- Display recent Best Picture, Director, Actor and Actress winners with their films' box office info.

- Display and summarise interesting trends and facts in a visually engaging manner.

- Use a consistent design for graphs and statistics.

- Follow web conventions (e.g., location of search and navigation bar).

- Display important statistics like cumulative box office gross and Oscar nominations for popular and recurring actors, actresses and directors.

Roles

Sameer (Mediator): Research datasets and fill out metadata worksheet for each new dataset and find .csv files for each dataset found. Write code that allows browser to translate user requests into HTTP query to be sent to the database server.

Catalina (Front End): Design the user interface: create an intuitive layout and search function, display data and graphics in a consistent and visually engaging way, and ensure that the end user's experience is smooth and painless.

Rie (Back End): Create a SQL database that stores the data in an organised fashion and performs queries on this data, sending the results of these queries back in a way that can be rendered by the front end.

Collaboration Plan

Our team will have frequent meetings (twice or thrice a week) where we discuss features and code together to implement those features. The assigned person for each component is in charge of having a vision of how they want that component to look like in the grand scheme of things and is in charge of ensuring that component is on track with the necessary requirements as laid out by other team members and the syllabus. However, each team member will also be involved in the planning and programming of the other components to ensure they have a big picture and technical understanding of the website as a whole and have the understanding necessary to keep their teammates accountable.

Datasets and their summaries

Dataset	Questions
Academy Awards official dataset of Winners and Nominees	1) *Search terms and tool:* Google Oscars database and click on Awards Database 2) *URL:* http://awardsdatabase.oscars.org/ 3) Date of download: 10/4/19 4) Authorship: Oscars.org

	5) Exact name and version of dataset: The Official Academy Awards Database (Latest Version ??) 6) Time Period: 1927 to 2018 7) Location of dataset: http://awardsdatabase.oscars.org 8) Location of technical documentation: N.A. 9) Data formats present: Website based 10) Terms of Use: https://www.oscars.org/legal/terms-of-use 11) Citation (MLA8): "The Academy Awards Database." *Oscars.org*, Academy of Motion Picture Arts & Sciences, 24 Feb. 2019, awardsdatabase.oscars.org/.
Rufus Pollock dataset of Academy Award winners and nominees	1) *Search terms and tool:* Google Oscars database and click on the "Academy Awards Oscars" datahub.io link 2) *URL:* https://datahub.io/rufuspollock/oscars-nominees-and-winners 3) Date of download: 10/4/19 4) Authorship: Oscars.org 5) Exact name and version of dataset: Academy Awards Oscars: Nominees and Winners 1927 to Present (Last year's version) 6) Time Period: 1927 to 2017 7) Location of dataset: https://datahub.io/rufuspollock/oscars-nominees-and-winners 8) Location of technical documentation: N.A. 9) Data formats present:

	10) Terms of Use: https://datahub.io/docs/terms-of-service 11) Citation (MLA8):
Box Office Mojo dataset on box office revenue of Best Picture winners and nominees	1) *Search terms and tool:* Google box office info on Best Picture Oscar winners 2) *URL:* https://www.boxofficemojo.com/oscar/ 3) Date of download: 10/9/19 4) Authorship: Box Office Mojo 5) Exact name and version of dataset: Boxofficemojo Alltime Domestic Data 6) Time Period: 1940 to 2019 7) Location of dataset: https://data.world/eliasdabbas/boxofficemojo-alltime-domestic-data/workspace/file?filename=boxoffice.csv 8) Location of technical documentation: N.A. 9) Data formats present: .csv 10) Terms of Use: https://data.world/policy/terms/ 11) Citation (MLA8): Dabbas, Elias. "Boxofficemojo Alltime Domestic Data." *Boxofficemojo Alltime Domestic Data*, Box Office Mojo, 9 Oct. 2019, data.world/eliasdabbas/boxofficemojo-alltime-domestic-data/workspace/file?filename=boxoffice.csv.

We have identified three datasets so far that we can use to display trends and patterns in past

Oscar winners and their respective financial information. The first dataset is one published by

The Academy of Motion Picture Arts & Sciences, the organisation in charge of determining

Oscar winners. This dataset displays all the Oscar winners in every category from 1927 to 2018. We managed to find the same dataset on *Datahub.io*, implemented by Rufus Pollock. We are adding this dataset as it has a downloadable .csv format that we can use. The last dataset, published by *Box Office Mojo* and implemented on *data.world* by Elias Dabbas has box office information on over 10,000 films, going all the way back to 1940. For the Oscar winners not present in the dataset, we will be googling the box office revenue of each film and entering the data into the .csv format of the dataset.