

Name	User Story	Acceptance Criteria	Story Points	Priority	Owner
Establish Client-Server Connection	As a user, I want to be able to connect to the localhost server through a web application client	1. The client has a title and a button which sends a request to the server. 2. The server can receive a request from the client and send a response back		1	Xander, Keith, Sergio, Yiming
GUI	As a user, I want a GUI which is intuitive, and allows me to search the movie database for specific values	1. The client has a search bar the user can type into 2. The client has a drop down menu with all searching options (title, genre, keyword, etc) 3. The client has a button the user can press when done typing to send a search to the server		3	Keith, Xander, Sergio
Upload .csv files to server	As a user, I want the server to contain the movie data so I can search through it	1. tmdb_5000_movies.csv is on the server and is accessible via the client 2. tmdb_5000_credits.csv is on the server and is accessible via the client 3. Server needs to handle all sorts of requests from the front-end		1	Sergio
Write a .csv parser function	As a user, I want to be able to search through the data accurately, so the data must be properly parsed so it can be searched.	1. The function parses the data from the .csv files in a way that can be searched through		1	Yiming
Title searching	As a user, I want to be able to search for movies by their title	1. A user can type a title into the search bar of the client and will be returned all movies matching that title		2	Sergio, Xander, Yiming
Cast Member searching	As a user, I want to be able to search for movies by searching for a specific cast member	1. A user can type a cast member name into the search bar of the client and will be returned all movies featuring that cast member		2	Sergio, Xander, Yiming
Release date searching	As a user, I want to be able to search for movies by their release date	1. A user can type a date in the format mm/dd/yyyy into the search bar of the client and will be returned all movies matching that release date		2	Sergio, Xander, Yiming
Genre searching	As a user, I want to be able to search for movies by genre	1. A user can type a genre into the search bar of the client and will be returned all movies within that genre		2	Sergio, Xander, Yiming
Keyword searching	As a user, I want to be able to search for movies by keywords	1. A user can type a keyword into the search bar of the client and will be returned all movies with that keyword		2	Sergio, Xander, Yiming
Original language searching	As a user, I want to be able to search for movies by their original language	1. A user can type a language into the search bar of the client and will be returned all movies in that language		2	Sergio, Xander, Yiming

Insert Data GUI	As a user, I want to be able to insert new data into the data set	1. A user can select to insert their data into the data set from the client		1	Xander
Update Data GUI	As a user, I want to be able to update data the data set	1. A user can select to update data in the data set with data they type in the client		1	Xander
Delete Data GUI	As a user, I want to be able to delete data from the data set	1. A user can select to delete certain data from the data set from the client		1	Xander
Select Dataset	As a user, I want to be able to select which set of data I am referencing, whether it is the original version or an updated version	1. A user can select which dataset (.csv) they reference when they query, update, insert, or delete		1	Yiming, Xander
Insert Data Back-End	As a user, I want to be able to insert new data into the data set	1. The data the user inserted from the client gets properly added to the selected .csv file		1	Sergio, Yiming
Update Data Back-End	As a user, I want to be able to update data the data set	1. The data a user chose to update is properly saved in the updated state in the selected .csv file		1	Sergio, Yiming
Delete Data Back-End	As a user, I want to be able to delete data from the data set	1. When a user selects to delete an entry, that entry is removed entirely from the selected .csv file.		1	Sergio, Yiming
Include a graphing library	As a user, when I search for an analytic, I want the data to be represented in an appropriate graph.	1. A library, such as plotly for node.js, can be used to properly display line graphs, bar graphs, dot plots, etc to fit the purposes of our analytics		1	Yiming
Implement a sorting function	As a user, I would like analytics to be represented cleanly and in a way that is easy to interpret	1. Data can be sorted by any numerical values it has if it needs to be for the purposes of analytics		1	Yiming
Analytic 1: Budget vs Popularity Back End	As a user, I want to know if the budget for a movie has any effect on its popularity among viewers	1. A query for Budget vs. Popularity returns a graph comparing the budget of all entries in the dataset against the corresponding popularity		1	Yiming, Sergio
Analytic 2: Budget vs Revenue Back End	As a user, I want to know if the budget for a movie has any effect on the revenue it generates	1. A query for Budget vs. Revenue returns a graph comparing the budget of all entries in the dataset against their corresponding revenue		1	Yiming, Sergio
Analytic 3: Production Company vs. Popularity Back End	As a user, I want to know if certain production companies have more popular movies on average	1. A query for Production Company vs. Popularity returns a chart of some kind showing production companies as well as the average popularity of all movies in the dataset produced by that company		1	Yiming, Sergio
Analytic 1: Budget vs Popularity Front End	As a user, I want to know if the budget for a movie has any effect on its popularity among viewers	1. A query for Budget vs. Popularity returns a graph comparing the budget of all entries in the dataset against the corresponding popularity		1	Xander, Sergio

Analytic 2: Budget vs Revenue Front End	As a user, I want to know if the budget for a movie has any effect on the revenue it generates	1. A query for Budget vs. Revenue returns a graph comparing the budget of all entries in the dataset against their corresponding revenue		1	Xander, Sergio
Analytic 3: Production Company vs. Popularity Front End	As a user, I want to know if certain production companies have more popular movies on average	1. A query for Production Company vs. Popularity returns a chart of some kind showing production companies as well as the average popularity of all movies in the dataset produced by that company		1	Xander, Sergio
Implement 3 more analytics - Front End	As a user, I want to be able to see as many analytics as possible to interpret more from the dataset	1. At least 3 new data fields can be selected and compared in the analytics section		1	Xander
Implement 3 more analytics - Back End	As a user, I want to be able to see as many analytics as possible to interpret more from the dataset	1. At least 3 new data fields can be selected and compared in the analytics section		1	Yiming, Sergio
Implement parsing for production companies and use the top 10 most frequently occurring in any production company analytics	As a user, I want the production company analytics to reflect the current 10 biggest production companies	1. Whenever a production company analytic is made, the back end checks for the 10 most frequently occurring production companies to display in the graph. 2. These 10 can change if the data changes		1	Xander, Keith, Sergio, Yiming
Implement parsing for genres and use the top 10 most frequently occurring in any genre analytics	As a user, I want the genre analytics to reflect the current 10 biggest genres	1. Whenever a genre analytic is made, the back end checks for the 10 most frequently occurring genres to display in the graph. 2. These 10 can change if the data changes		1	Xander, Keith, Sergio, Yiming