**Initial breakdown**

**Web assignment 3**

1. **App and list**
2. **Movie selection**
3. **Selecting the year or Actor name**
4. **Post movie**

**Goal of assignment:**

**Make a web app that displays movie and fetches from a database. You can search for movies with specific actors, Year and even add another movie. App is made with react and uses components to display the different things.**

**App and List**

1. Create a component called App with other components
2. Make this component look pretty
3. In the server, create Route that will take all the movies and return them
4. Create a List component that fetches movies from the route.
5. By default, App displays the List with all movies
6. List component displays movie title and year

Error checking:

1. Check if no movies in database
2. Button if user wants to re-display all movies

**Movie selection**

1. Create component called movie.
2. Create a route in server that finds a movie selected
3. Movie should get information and pass it down to two components named actor and genre
4. Should display details about selected movie
5. User can select a movie so that information shows up
6. Information includes runtime, revenue actors and genres (components handle them)
7. Information is just passed down from list
8. Movie is a child of list and fetches from server info
9. **Selecting the year or Actor name**
10. Provide buttons to select searches in app
11. When clicking on button, changes a input type text for which category you want to search
12. Actor takes only part of the word while the year select takes whole year
13. Default is year
14. Actor and year are on the same level as list
15. Create a use context that takes information and is able to pass it down to list without disrupting hierarchy
16. Two different routes in server that will read data and pass the right movies for the selected things
17. After searching, will display the movies selected.

Error checking:

1. An actor can only be alphabetical and take–
2. Year must be smaller than 1888 (creation of first film)
3. Year only takes in 4 digits (no 002014)
4. Regex will follow along in the post movie
5. Fields cannot be empty
6. **Post movie**

1)Add a route in the server to post movies that takes in the different things of your movies (revenue, title etc)

2)Create a component called MovieAdd

3)This creates a form where user enters data and passes it to server

Server writes data to a file.

4) key must be the max key +1

5) form takes in all the movie information

6) movie added is displayed right away in the list

Error checking:

1. An actor can only be alphabetical and take , and –
2. Year must be smaller than 1888 (creation of first film)
3. Actors and genres are separated by ,
4. Year only takes in 4 digits (no 002014)
5. Regex will follow along in the post movie
6. Title can be anything and has to have limit of characters
7. Revenue and minutes must be numbers, same with year