

# Movie Theatre page

04/12/2023

## Overview

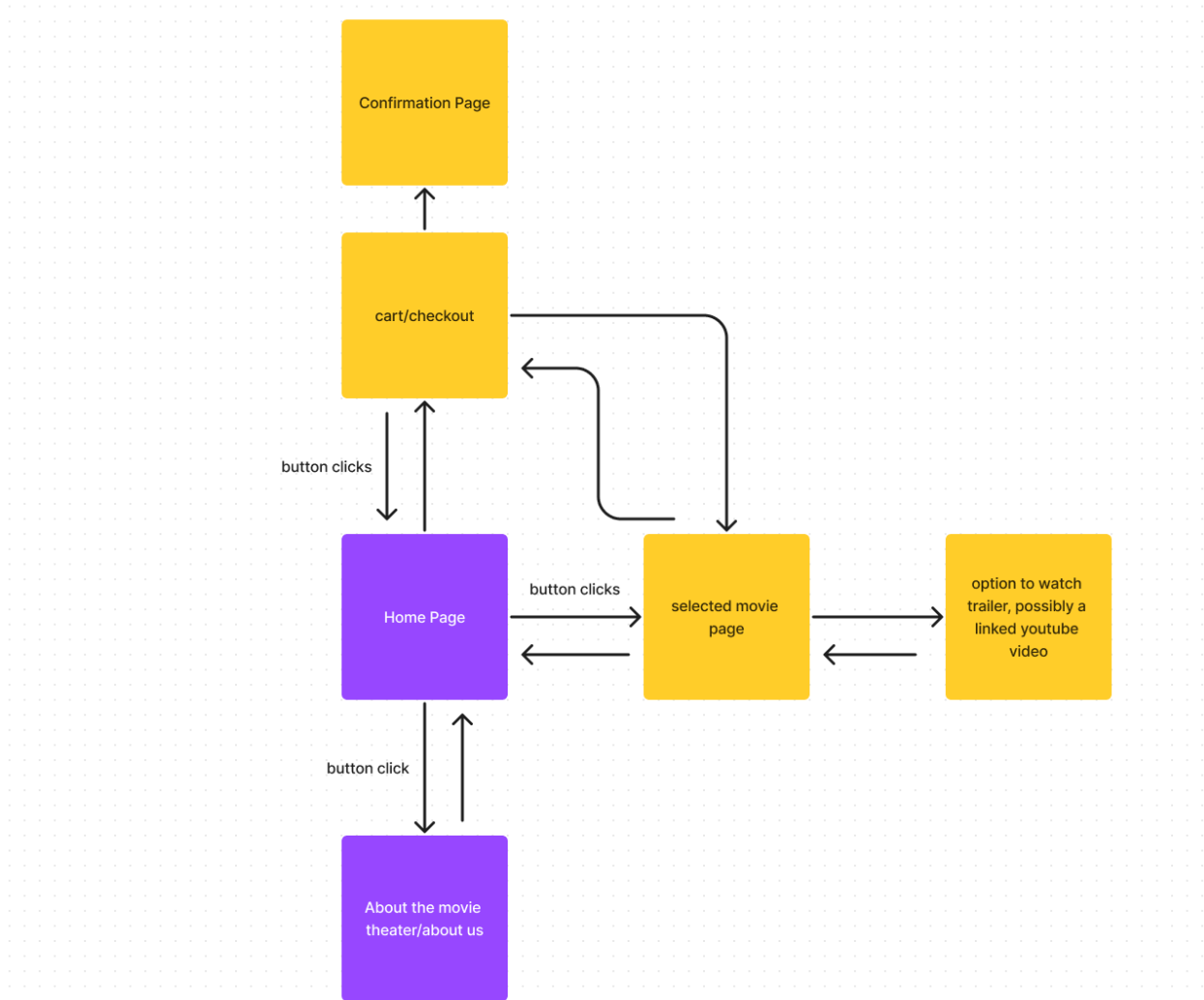
Our plan for the final is to continue on our Movie theater page design. Initially much of the work was hard coded due to the technologies allowed to be used for the midterm. We plan to use React and JS to simplify much of the website, and to make an easily expandable design, as the idea behind a webpage for a movie theater is the movies available to purchase tickets for and all their underlying information change often.

## Goals/Objectives

1. **Modern Design of website:** As said above, one of our goals is to successfully design an expandable website that is complex but easily modifiable.
2. **Use of React Design structures:** While we are not sure yet on what type of design structure to work with, we will most likely use something shown in the class like the single-page design , or modular design.

## Views

- Home page
- Selected movies page with reviews and option to purchase tickets, possibly with dates
- Possible page with trailers linked from youtube tied to the specific movie you clicked on
- Info on theater page
- Checkout page to purchase tickets
- Validation/ confirmation page with purchase info



Above is the views diagram/ relation to one another we have planned for now

## Internal files used

- We plan to use Json files for the movies we will use to hold their information, Json files for the reviews most likely as well.
- There will be a minimum of 5 html pages/javascript pages, if we decide to go with single page design, than it will most likely be limited to one html file, and one javascript file that will change the view of the page for us like in assignment 2.

3

- One CSS file for page design
- Anything else we find useful from class we will plan to add.

Relationship between the files is still open, but our current plans will be that the home page is linked to

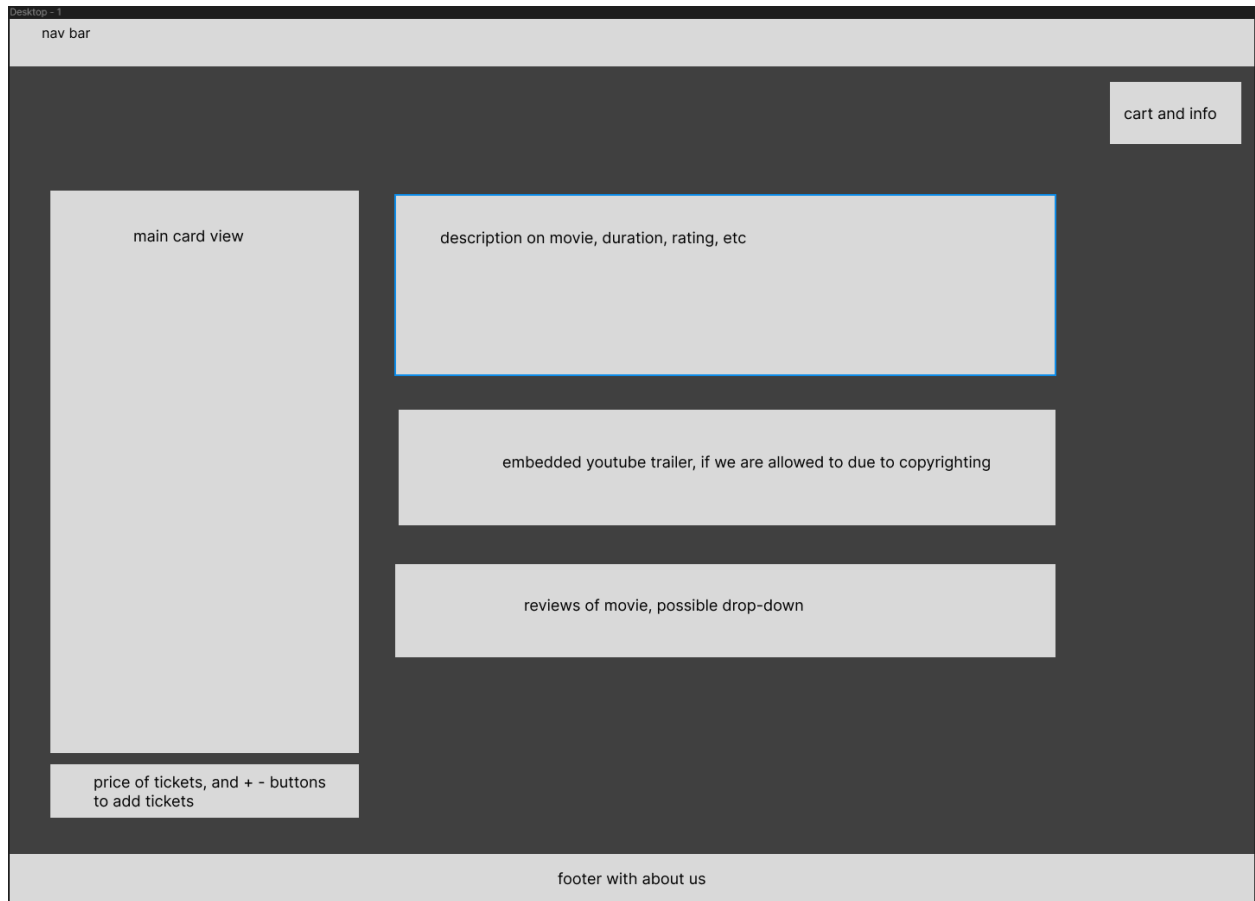
## Data

- Our plan is to use Json format to hold initial data, but for storage of a person's cart and personal information we might use the same useState from assignment02, otherwise we may use mySQL as both of us have used it before for saving information to a server.
- May also use CRUD Repository, or JPA repository, or a javascript equivalent to have basic CRUD application of data.

Below Are View rough designs



- This will be the main page with the ability to see immediately what movies are showing, clicking the cards will take you to a page that has reviews and possibly trailers, from there you can purchase any amount of tickets.
- Top of screen will be a nav bar to navigate the page as well as possibly access other portions of the website.
- Top right will be a cart icon that holds the tickets you have added across pages, and if you click it, it will take you to checkout to purchase said tickets.



- This will be the main page for the clicked movie card
- Will display the movie card on left, with its rating, duration, etc
- Right will display description and other info on the film
- If allowed to, we will probably have an embedded trailer or something in the middle for said movie
- Reviews will be in the middle bottom of the page and maybe be a drop down
- Top right and nav bar will be the same across all pages



- Left rectangle will be list of tickets, amount and dates for movies
- Right box will be the “how would you like to pay”
- Bottom right box will be final button, that confirms you want to purchase