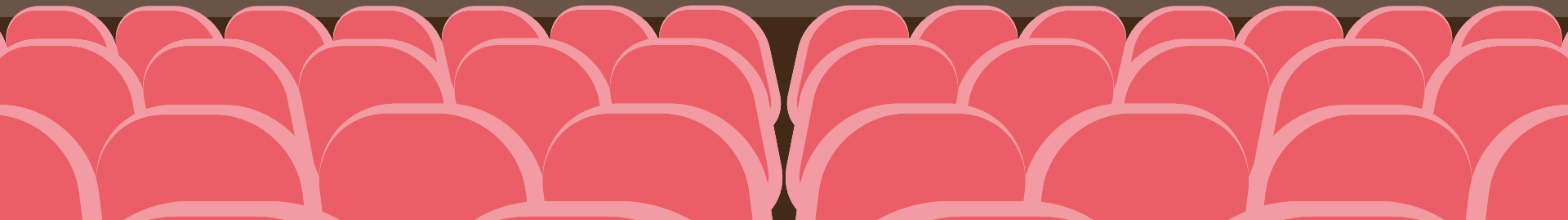


# ***PUMPKIN MOVIE***

Group 8



# ***TEAM DESCRIPTION***

**Team member:** Liwen(Lena) Tian

**Contribution:** Front end, Back end, Testing, Design

## **Application intro:**

- Provide users a better way to buy their ideal movie tickets online.
- Allow users to combine the information about movies, theatres and showtimes before making their buying decisions.
- Target users are young people looking for an easier and efficient method to buy their ideal movie ticket online.

**Demo:** next page

**YOUTUBE:** [HTTPS://WWW.YOUTUBE.COM/WATCH?V=GLEYKQVL5U&FEATURE-YOUTU.BE](https://www.youtube.com/watch?v=GLEYKQVL5U&feature=youtu.be)

**WEB:** <https://master.d1n0ec8g2eialu.amplifyapp.com/>

The screenshot shows a web application interface for 'Pumpkin'. The header is orange with the name 'Pumpkin' and navigation links: Movies, Theatres, Show Times, Home, About Us, and Logout. Below the header is a search bar with a dropdown menu set to 'Title (A-Z)' and a placeholder 'Search by movie title or theatre name'. A 'Time' dropdown is also present. The main content area features a calendar for 'MAR 2020' with days of the week and dates. Below the calendar is a grid of movie listings for 'A Quiet Place Part II'. Each listing includes a movie poster, the title, location, date, time, and a 'BUY' button.

SUN	MON	TUE	WED	THU	FRI	SAT
22	23	24	25	26	27	28

Movie Title	Location	Date	Time	Action
A Quiet Place Part II	Alamo Drafthouse South Lamar	2020-03-22	10:00	BUY
A Quiet Place Part II	Alamo Drafthouse South Lamar	2020-03-22	12:45	BUY
A Quiet Place Part II	Alamo Drafthouse South Lamar	2020-03-22	15:25	BUY
A Quiet Place Part II	Alamo Drafthouse South Lamar	2020-03-22	18:05	BUY
A Quiet Place Part II	Alamo Drafthouse South Lamar	2020-03-22	20:45	BUY
A Quiet Place Part II	Alamo Drafthouse South Lamar	2020-03-22	23:30	BUY
A Quiet Place Part II	Alamo Drafthouse Mueller	2020-03-22	11:45	BUY
A Quiet Place Part II	Alamo Drafthouse Mueller	2020-03-22	14:30	BUY

## ***MOVIE MODEL PAGE*** (200 movies, 11 pages)

Three attributes: image, title, rating

Pumpkin

Movies

Theatres

Show Times

Home

About Us

Authenticate

Sort by ▾

Search by movie title or actor name

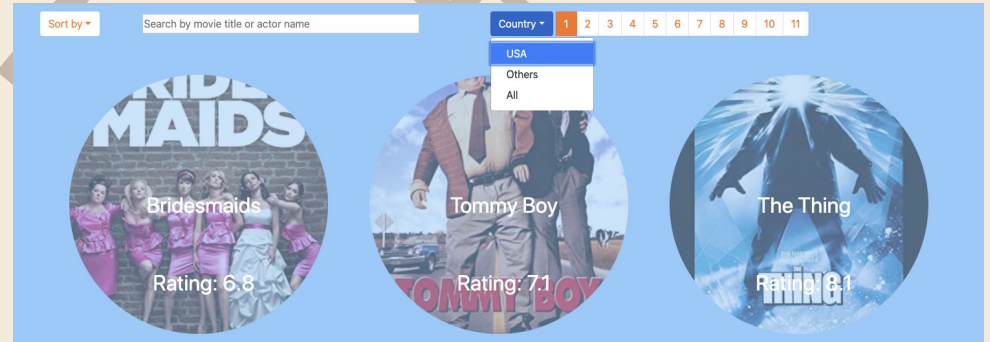
Country ▾

1 2 3 4 5 6 7 8 9 10 11

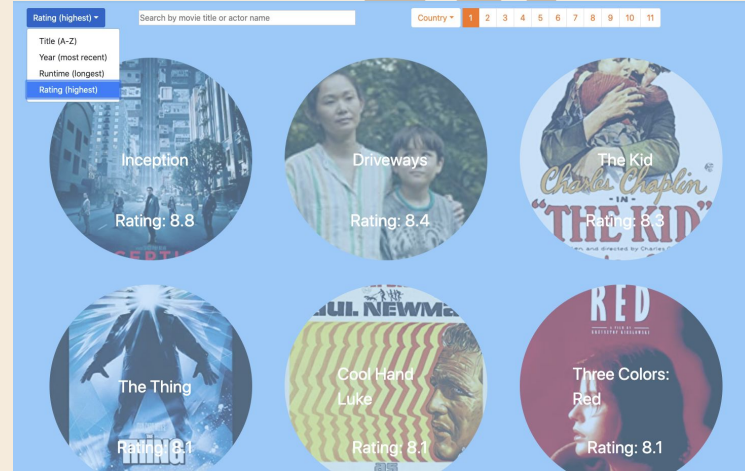


## ***MOVIE MODEL PAGE***

**Filter: Country published this movie**



**Sort: 4 sort methods**  
**Title, Year, Running time, Rating**




## ***MOVIE MODEL PAGE***

**Search by the movie title or actor names**



## MOVIE INSTANCE PAGE

### Movie details



**Harry Potter and the Deathly Hallows: Part 1**

**Year** 2010

**Released** 19 Nov 2010

**Director** David Yates

**Writer** Steve Kloves (screenplay), J.K. Rowling (novel)

**Actors** Bill Nighy, Emma Watson, Richard Griffiths, Harry Melling


**Rating** 7.7

**Time** 148 min










**Genre** Adventure, Family, Fantasy, Mystery

Voldemort's power is growing through: He now has control over the Ministry of Magic and Hogwarts. Harry, Ron, and Hermione decide to finish Dumbledore's work and find the rest of the Horcruxes to defeat the Dark Lord. But little hope remains for the Trio, and the rest of the Wizarding World, so everything they do must go as planned.

### Tickets of this movie: Link to the other two models



#### Buy Tickets

 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> Galaxy Highland</p> <p>2020-06-14 13:00</p> <p><a href="#">BUY</a></p>	 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> Galaxy Highland</p> <p>2020-06-14 18:00</p> <p><a href="#">BUY</a></p>	 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> Galaxy Highland</p> <p>2020-06-17 13:00</p> <p><a href="#">BUY</a></p>	 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> Galaxy Highland</p> <p>2020-06-17 13:00</p> <p><a href="#">BUY</a></p>	 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> Indiana Cinema Park</p> <p>2020-04-1 18:00</p> <p><a href="#">BUY</a></p>	 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> Galaxy Highland</p> <p>2020-04-1 18:00</p> <p><a href="#">BUY</a></p>	 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> The Town Theatre</p> <p>2020-04-1 17:00</p> <p><a href="#">BUY</a></p>	 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> Diamond Arts Theater</p> <p>2020-04-1 20:00</p> <p><a href="#">BUY</a></p>	 <p><b>Harry Potter and the Deathly Hallows: Part 1</b></p> <p><b>Location</b> Diamond Arts Theater</p> <p>2020-04-5 19:00</p> <p><a href="#">BUY</a></p>
--	---	--	--	---	---	--	--	--




***THEATRE MODEL PAGE*** (85 theatres, 5 pages)  
Three attributes: name, address, phone

Pumpkin


Movies **Theatres** Show Times Home About Us Logout

Sort by ▾ Search by cinema name or zipcode Distance ▾ 1 2 3 4 5



**Moviehouse & Eatery - Lantana Place**  
Address: 7415 Southwest Parkway - Building 7  
Phone: 5125720770

More



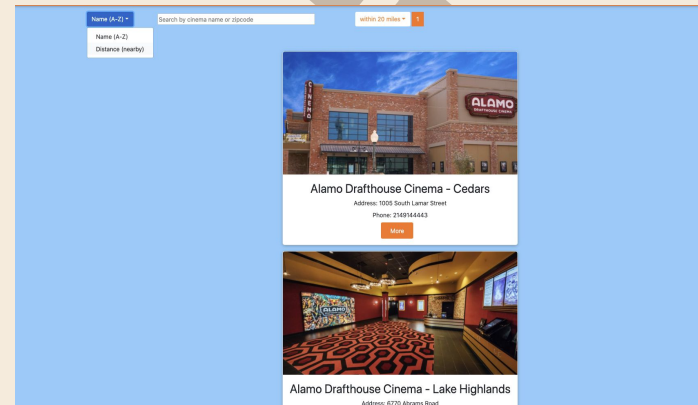
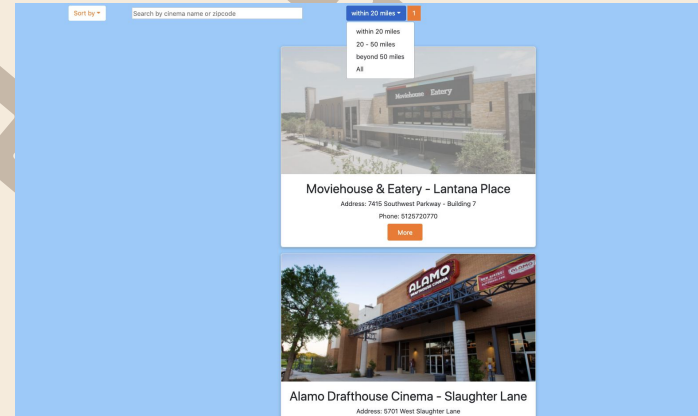
**Alamo Drafthouse Cinema - Slaughter Lane**  
Address: 5701 West Slaughter Lane



## ***THEATRE MODEL PAGE*** (85 theatres, 5 pages)

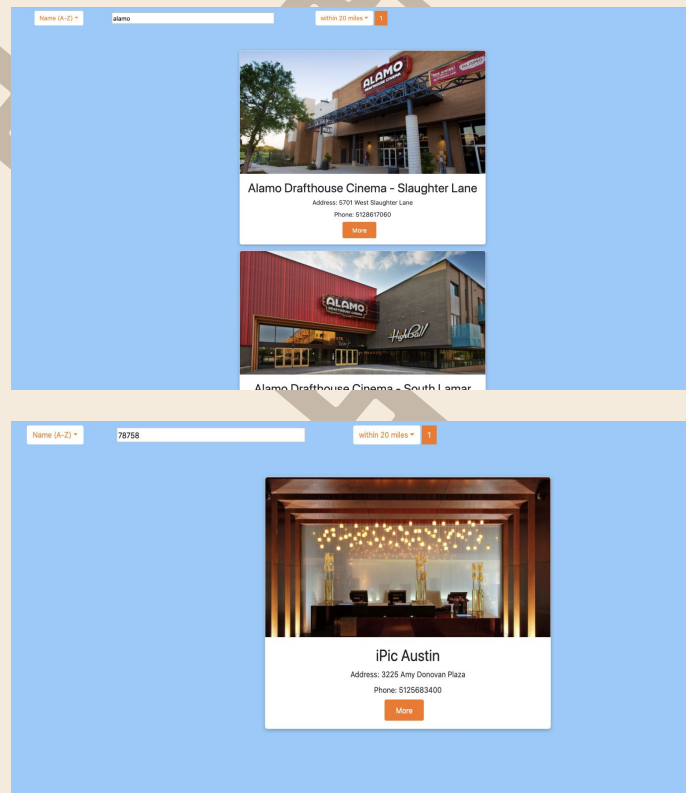
**Filter: Distance to central Austin**

**Sort: 2 sort methods**  
**Name(A to Z), Distance(nearby)**



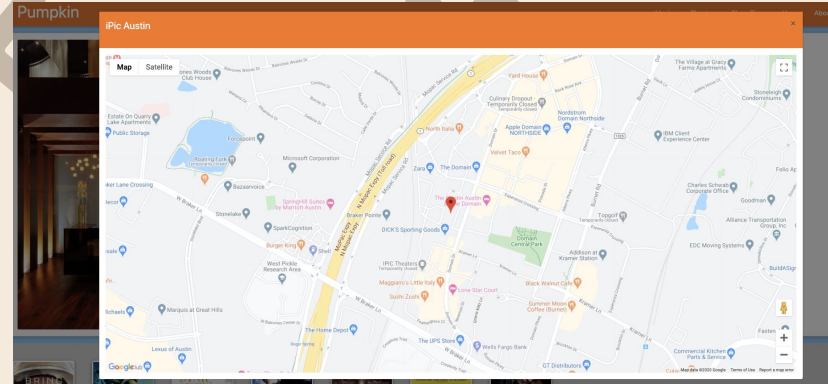
## ***THEATRE MODEL PAGE*** (85 theatres, 5 pages)

Search by the theatre name or zipcode





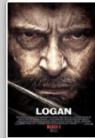
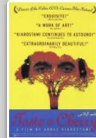
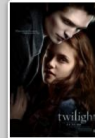


## THEATRE INSTANCE PAGE (85 theatres, 5 pages)

View the real location on Google Map



Tickets in this theatre:  
Link to the other two models

The Martian	Epic	A Star Is Born	Harry Potter and the Chamber of Secrets	Logan	Taste of Cherry	Twilight
						
The Martian	Epic	A Star Is Born	Harry Potter and the Chamber of Secrets	Logan	Taste of Cherry	Twilight
Location IPic Austin	Location IPic Austin	Location IPic Austin	Location IPic Austin	Location IPic Austin	Location IPic Austin	Location IPic Austin
2020-04-1	2020-04-1	2020-04-1	2020-04-1	2020-04-2	2020-04-9	2020-04-8
11:00	16:00	13:00	21:00	15:00	16:00	12:00
BUY	BUY	BUY	BUY	BUY	BUY	BUY

## SHOWTIME MODEL PAGE

Use Calendar as the pagination, showing tickets at the specific time

Pumpkin

MoviesTheatresShow TimesHomeAbout UsLogout

Sort by

Search by movie title or theatre name


Time

<

MAR 2020

>

SUN	MON	TUE	WED	THU	FRI	SAT
22	23	24	25	26	27	28



Mulan: The IMAX 2D Experience


Location

Bullock Museum Spirit Theater

2020-03-22

18:00

BUY



Mulan: The IMAX 2D Experience


Location

Bullock Museum Spirit Theater

2020-03-22

20:30

BUY



A Quiet Place Part II


Location

Alamo Drafthouse South Lamar

2020-03-22

10:00

BUY



A Quiet Place Part II


Location

Alamo Drafthouse South Lamar

2020-03-22

12:45

BUY



A Quiet Place Part II


Location

Alamo Drafthouse South Lamar

2020-03-22

15:25

BUY



A Quiet Place Part II


Location

Alamo Drafthouse South Lamar

2020-03-22

18:05

BUY



A Quiet Place Part II


Location

Alamo Drafthouse South Lamar

2020-03-22

20:45

BUY



A Quiet Place Part II


Location

Alamo Drafthouse South Lamar

2020-03-22

23:30

BUY



A Quiet Place Part II


Location

Alamo Drafthouse Mueller

2020-03-22

11:45

BUY



A Quiet Place Part II


Location

Alamo Drafthouse Mueller

2020-03-22

14:30

BUY



A Quiet Place Part II

Location

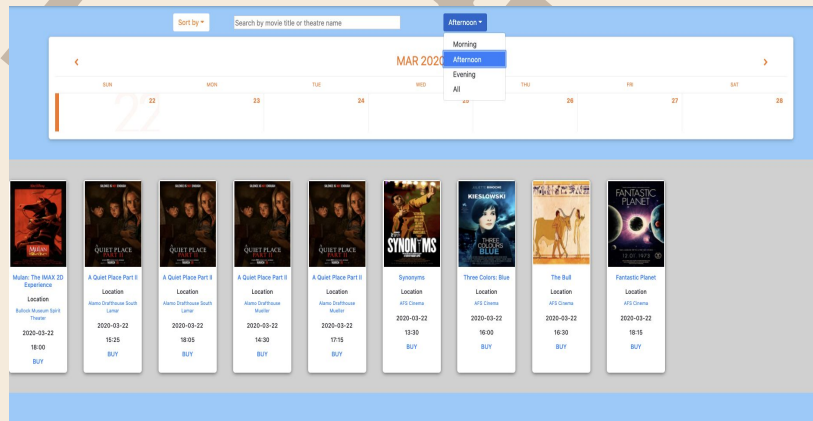
Alamo Drafthouse Mueller

2020-03-22

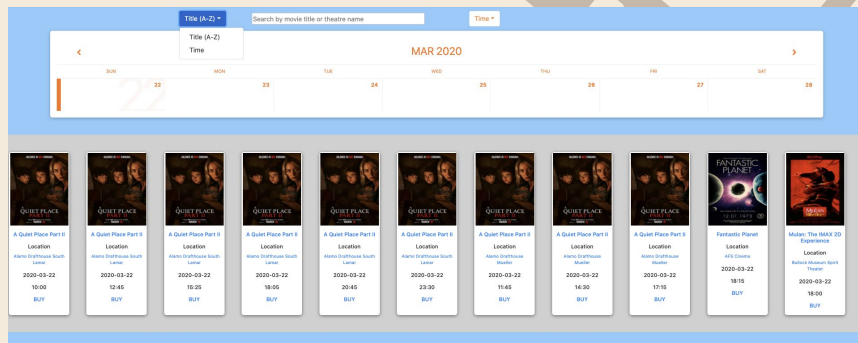
17:15

BUY

## Filter by time of the tickets

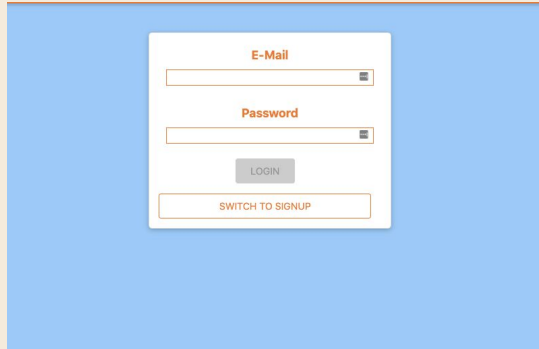


**Sort: 2 sort methods:**  
**Title(A to Z), Time**




## SHOWTIME INSTANCE PAGE

Login to open instance page and  
buy the ticket



A login form on a light blue background. It features two input fields: 'E-Mail' and 'Password', both with eye icons for toggling visibility. Below the password field is a 'LOGIN' button. At the bottom is a 'SWITCH TO SIGNUP' button.

Detailed information about the ticket  
and links to the other two models



**A Quiet Place Part II**

Following the events at home, the Abbott family now face the terrors of the outside world. Forced to venture into the unknown, they realize the creatures that hunt by sound are not the only threats lurking beyond the sand path.

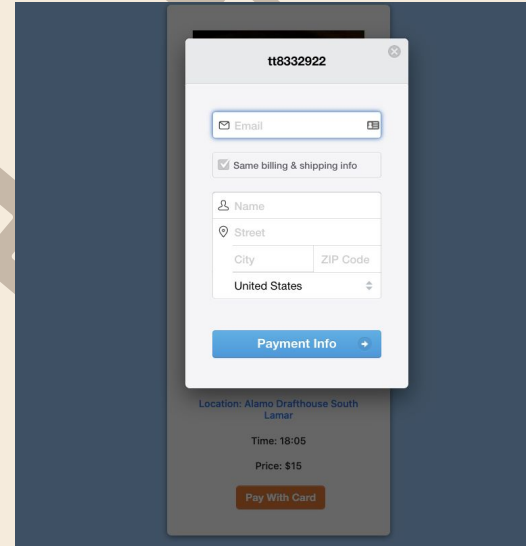
Location: Alamo Drafthouse South Lamar

Time: 18:05

Price: \$15

[Pay With Card](#)

Buy ticket online



tt8332922

Email

☒ Same billing & shipping info

Name

Street

City ZIP Code

United States

[Payment Info](#)

Location: Alamo Drafthouse South Lamar

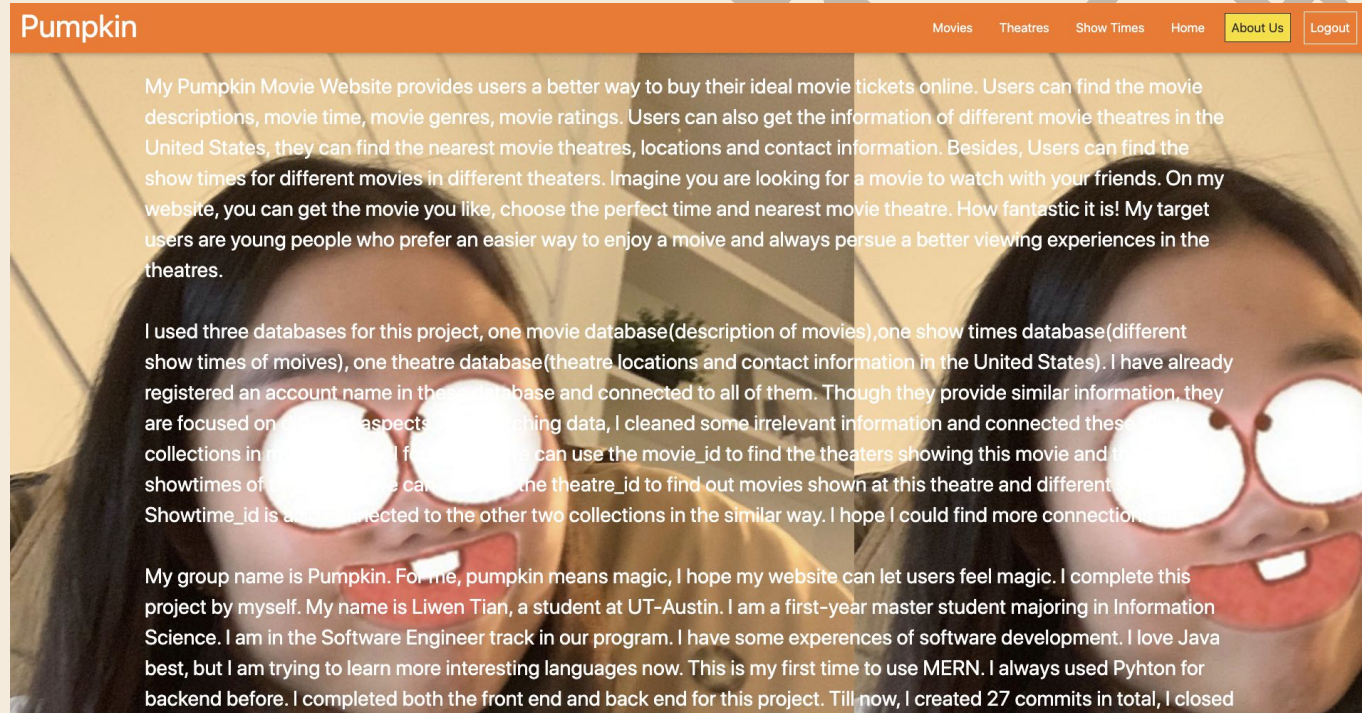
Time: 18:05

Price: \$15

[Pay With Card](#)

## SHOWTIME INSTANCE PAGE

### About page showing the short description the project, database and unit testing



**Pumpkin**      [Movies](#)   [Theatres](#)   [Show Times](#)   [Home](#)   [About Us](#)   [Logout](#)

My Pumpkin Movie Website provides users a better way to buy their ideal movie tickets online. Users can find the movie descriptions, movie time, movie genres, movie ratings. Users can also get the information of different movie theatres in the United States, they can find the nearest movie theatres, locations and contact information. Besides, Users can find the show times for different movies in different theaters. Imagine you are looking for a movie to watch with your friends. On my website, you can get the movie you like, choose the perfect time and nearest movie theatre. How fantastic it is! My target users are young people who prefer an easier way to enjoy a movie and always pursue a better viewing experiences in the theatres.

I used three databases for this project, one movie database(description of movies), one show times database(different show times of movies), one theatre database(theatre locations and contact information in the United States). I have already registered an account name in these database and connected to all of them. Though they provide similar information, they are focused on different aspects. When searching data, I cleaned some irrelevant information and connected these collections in my database. I found that I can use the movie\_id to find the theaters showing this movie and the showtimes of this movie. I can also use the theatre\_id to find out movies shown at this theatre and different Showtime\_id is also connected to the other two collections in the similar way. I hope I could find more connections.

My group name is Pumpkin. For me, pumpkin means magic, I hope my website can let users feel magic. I complete this project by myself. My name is Liwen Tian, a student at UT-Austin. I am a first-year master student majoring in Information Science. I am in the Software Engineer track in our program. I have some experiences of software development. I love Java best, but I am trying to learn more interesting languages now. This is my first time to use MERN. I always used Python for backend before. I completed both the front end and back end for this project. Till now, I created 27 commits in total, I closed



# SELF CRITIQUE



## What I did well ?

- Front end design
- Extra features
- Database design
- User Authentication

## What can I do better ?

- The combination of filter, search and sort method
- The speed of web loading
- Insert short description video for different movies
- Expand the search areas

## What did I learn ?

- MERN full stack web programming
- Various testing methods
- A lot of APIs, Google map, stripe and etc

# ***DEVELOPER CRITIQUE***

## ***SOCCERBASE***

### **What I did they do well?**

- Complete all user stories I gave them
- Term of use and Contact us look very professional
- Showing a loading message when loading the page
- The instances shown on the model page look nice and clean

### **What did we learn from their website?**

- Using some tables to organize the contents
- Add some outside links can make the web more dynamic
- Giant news pictures look very attractive

### **What can they do better?**

- Add a search button, not only search by the “return” key
- Improve the loading speed
- Showing what method I can use to search instead of just saying searching for your favorites
- Add more news on the instance page of teams and countries

### **What puzzles me about their website?**

- I am not sure how the sort and filter methods work, sometimes it has no response
- I cannot open the capital and num on the model page, though there is a hand shown on the top



***THANK YOU***

