



# WEB DEVELOPMENT AND DESIGN

Assignment

SAW WIN NWE

Task 1 .....	4
Purpose of website .....	4
Target audience .....	4
Full set of client requirement .....	5
Sitemap and navigation bar .....	6
Figure 1. S film Booking sitemap and nav bar.....	6
Wireframe .....	6
Home page .....	6
Figure 2 Wireframe EDRAW max drawing about home page.....	7
Figure 2 Wireframe EDRAW max drawing about home page.....	7
Figure 2 Wireframe EDRAW max drawing about home page.....	7
Figure 2 Wireframe EDRAW max drawing about home page.....	8
About page .....	8
Figure 3: Wireframe EDRAW max drawing about page .....	8
Figure 3: Wireframe EDRAW max drawing about page .....	9
Film page .....	9
Figure 4: Wireframe EDRAW max drawing about film page .....	9
April page .....	9
Figure 5: Wireframe EDRAW max drawing about April page .....	10
Contact us page .....	10

Figure 6: Wireframe EDRAW max drawing about contact us .....	10
Figure 6: Wireframe EDRAW max drawing about contact us .....	10
Figure 6: Wireframe EDRAW max drawing about contact us .....	11
Request film page .....	11
Figure 7: Wireframe EDRAW max drawing about request page .....	12
Booking system page .....	12
Figure 8: Wireframe EDRAW max drawing about booking page .....	12
Figure 8: Wireframe EDRAW max drawing about booking page .....	12
Technology used in website .....	12
Html .....	12
CSS .....	13
Bootstrap .....	13
JavaScript .....	14
Visual style specification .....	14
Task 2 .....	17
Home page .....	17
About page .....	22
Film page .....	26
April page .....	28
Contact us page .....	30
Request film page .....	33
Booking page.....	35

Met the Requirement test .....	37
Match the requirement .....	38
Difficulty part of building this website .....	39
Easy part of building this website .....	39
Task 3 .....	40
Task plan .....	40
Quality assurance process .....	44
Importance .....	44
Purpose of validation of codes .....	45
Result of your review .....	46
Purpose of implementing test plan .....	46
Evaluate .....	47
test .....	47
plan .....	47
Improvement .....	48
Fail test solving .....	48
References .....	50

I am the employee as a full-stack web developer for the renowned web application development company called "SFILMPORDUCTION". My project is to develop basic website for movie production.

The requirements are promotions, booking the new to old customers, show new films, booking via online and search the old movies and details of cinema and booking system like price, location, number of seats and nearest stations, movie on going and other features and also different kind of OS support including android and IOS. In order to attract consumers, the customer additionally want SEO and content analysis. You are allowed to create any assumptions you like, but they must be linked to film production. The domain name for the website will be <https://sfilmbooking.netlify.app/>.

## Task 1

### Purpose of website

A movie booking system website's objective is to enable clients to simply and conveniently purchase tickets for movies they want to view in a cinema or theater. Customers may browse movies, view showtimes, choose their desired seats, and purchase tickets online using this sort of website.

### Target audience

The target audience for a movie booking system website might differ based on criteria such as the location of the cinema or theater, the sort of movies being exhibited, and the ticket cost. However, the major target audience for a movie booking system website is generally:

- ✦ Moviegoers: The primary target audience for a movie booking system website is moviegoers. These are people who like viewing movies and are likely to go to the movies on a frequent basis. This group includes people of many ages and ethnicities, but is most commonly made up of young adults and families.
- ✦ Persons who are comfortable using the internet to purchase products and services: Online movie booking systems are meant to be user-friendly and

accessible, making them great for tech-savvy individuals who are comfortable using the internet to purchase products and services.

- ✦ Working professionals are frequently strapped for time and may find it difficult to visit the cinema or theater during standard ticketing hours. Online movie ticketing systems make it easy for people to purchase tickets at any time, allowing them to better organize their movie-going experience.
- ✦ Tourists: Tourists are frequently interested in exploring local cultural experiences, such as attending cinemas or theaters to watch local films. An online movie booking system allows travelers to organize their movie-going experience ahead of time, avoiding any language obstacles and assuring a seamless and pleasurable encounter.
- ✦ Students: Students are frequently eager to engage in social activities with their friends, such as going to the movies or the theater. An online movie booking system allows them to buy tickets and arrange their movie-going experience in a simple and accessible manner.
- ✦ In essence, the target audience for a movie booking system website comprises everyone who enjoys viewing movies at the cinema or theater and is seeking for a simple and easy way to buy tickets.

#### Full set of client requirement

Produce a design paper containing the necessary principles
Standard criteria for creating a branded
7 to 10 pages
All of the pages should belong to the same website
Each page must have a compelling title as well as relevant information.
The HTML page and CSS should both pass W3C inspection.
External CSS
All pages should have consistent navigation and be organized well.
The website should be simple to use and easy to understand; the background color, front end color, table, form, photos, and so on should all be correctly controlled and arranged.
Contact us and about us page

Google map
Only front end
There is no need to build any server-side code to save the data)
Textbox
Label
Common box
Radio button
Command box
List box
Multimedia content like audio, video, flesh

### Sitemap and navigation bar

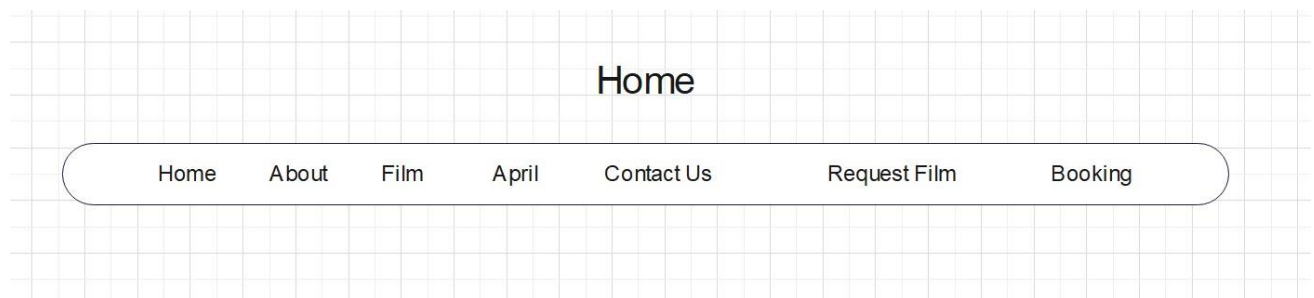


Figure 1. S film Booking sitemap and nav bar

### Wireframe

#### Home page

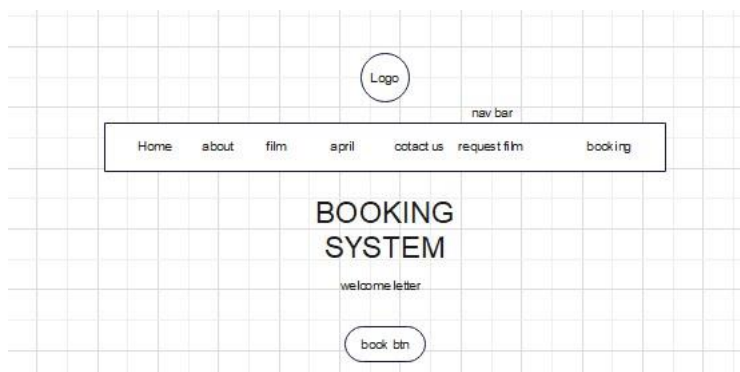


Figure 2 Wireframe EDRAW max drawing about home page

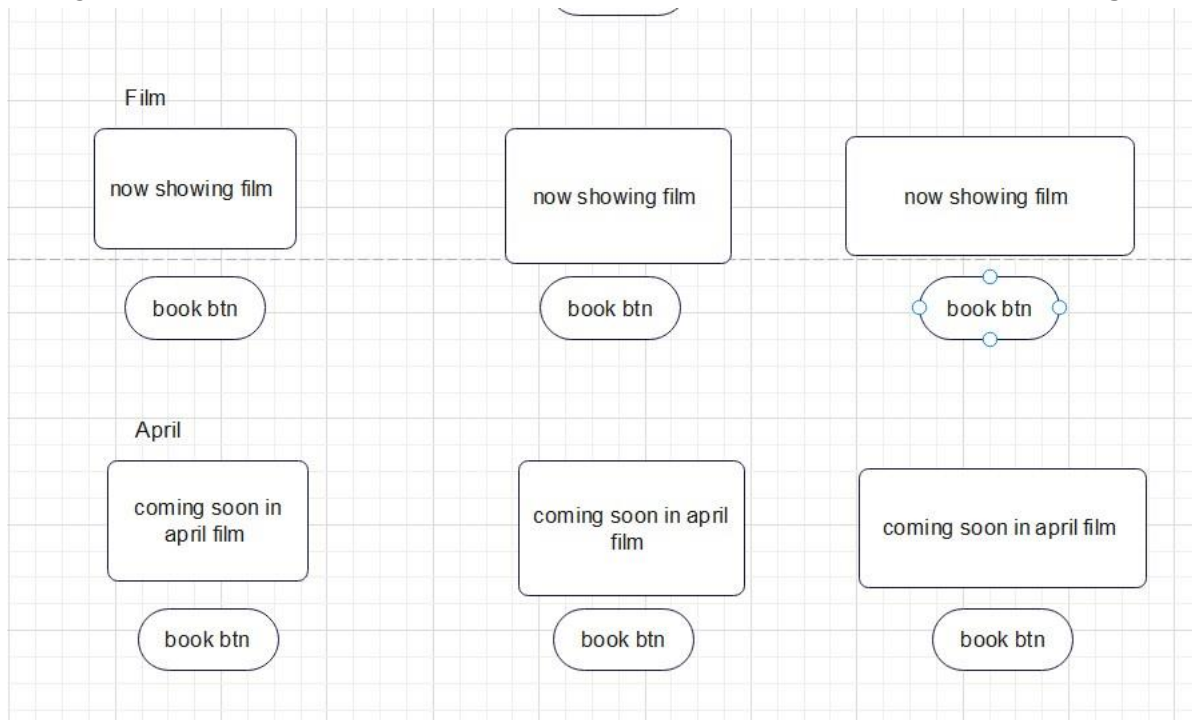


Figure 2 Wireframe EDRAW max drawing about home page

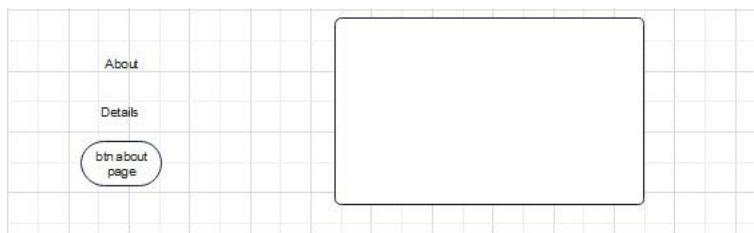


Figure 2 Wireframe EDRAW max drawing about home page

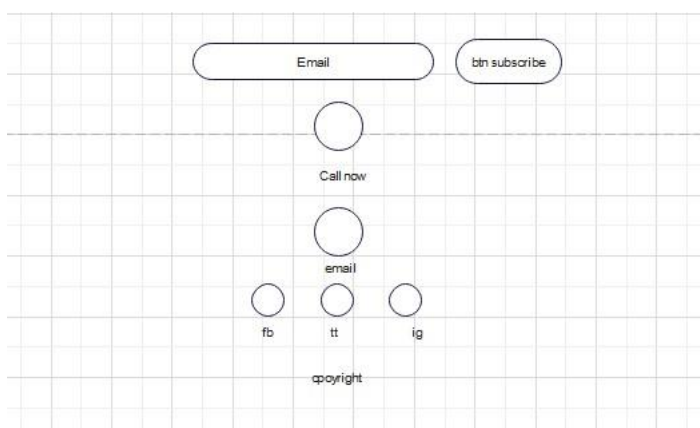


Figure 2 Wireframe EDRAW max drawing about home page

About page



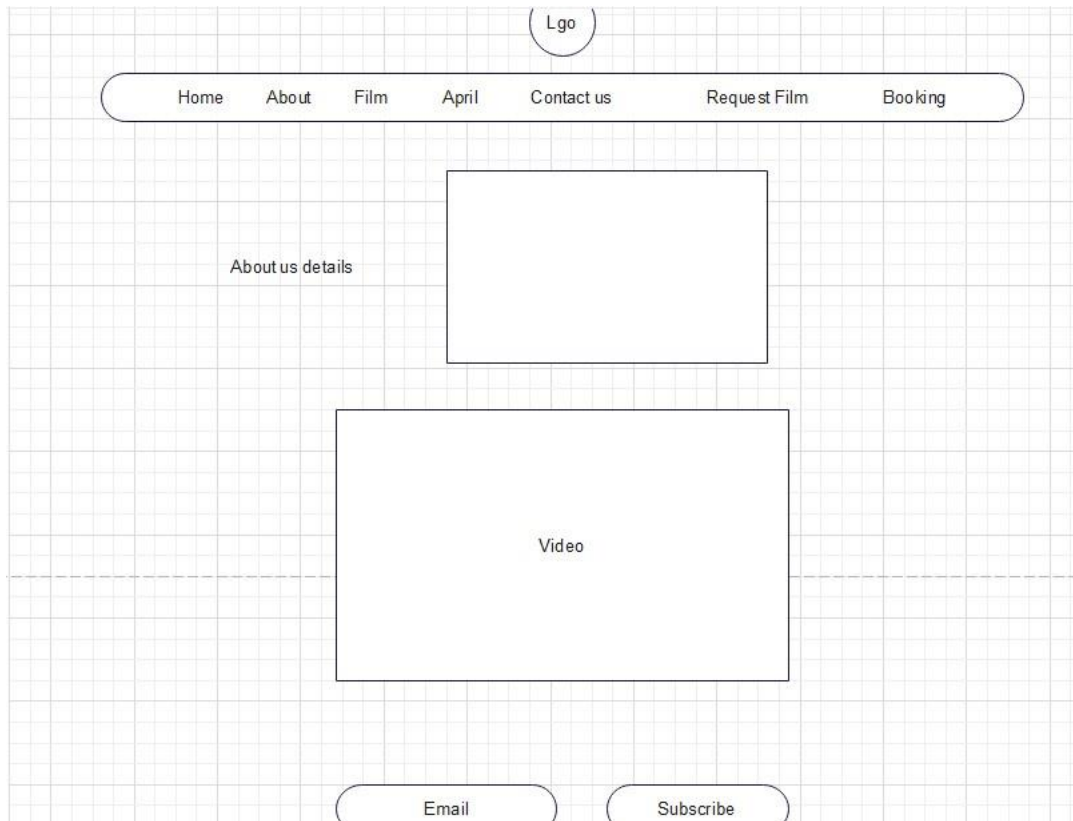


Figure 3: Wireframe EDRAW max drawing about page

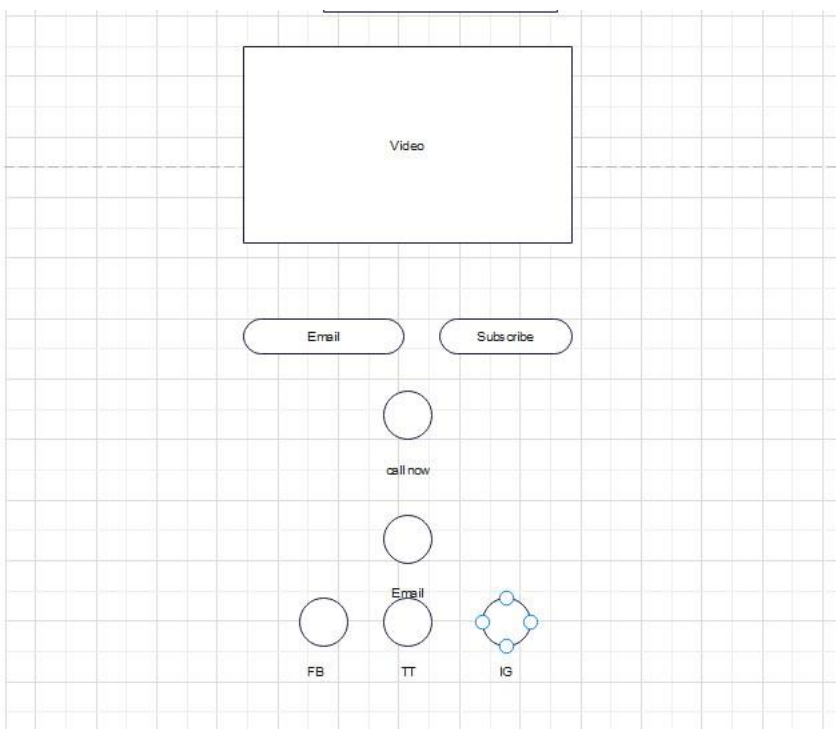


Figure 3: Wireframe EDRAW max drawing about page  
Film page

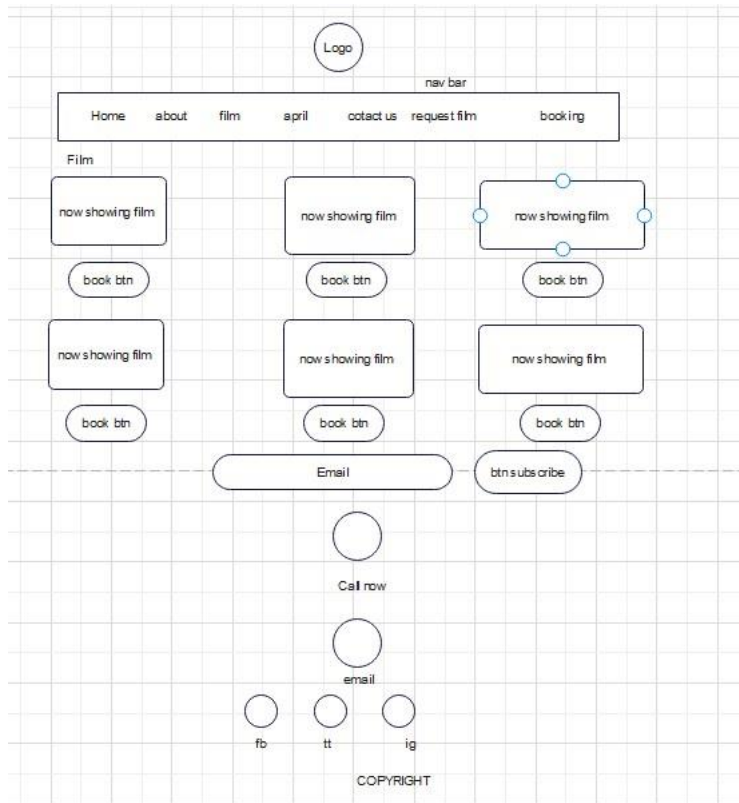


Figure 4: Wireframe EDRAW max drawing about film page  
April page

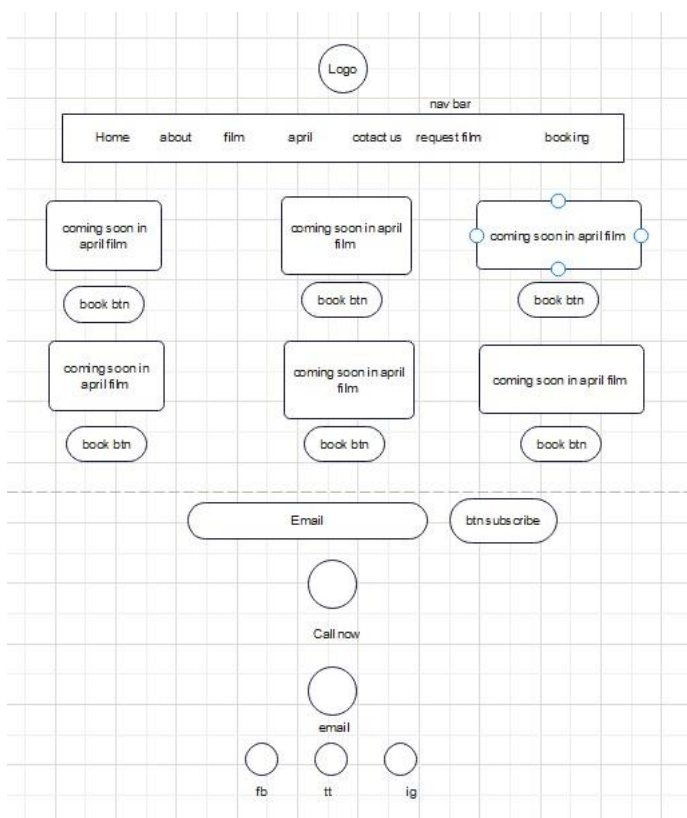


Figure 5: Wireframe EDRAW max drawing about April page  
Contact us page

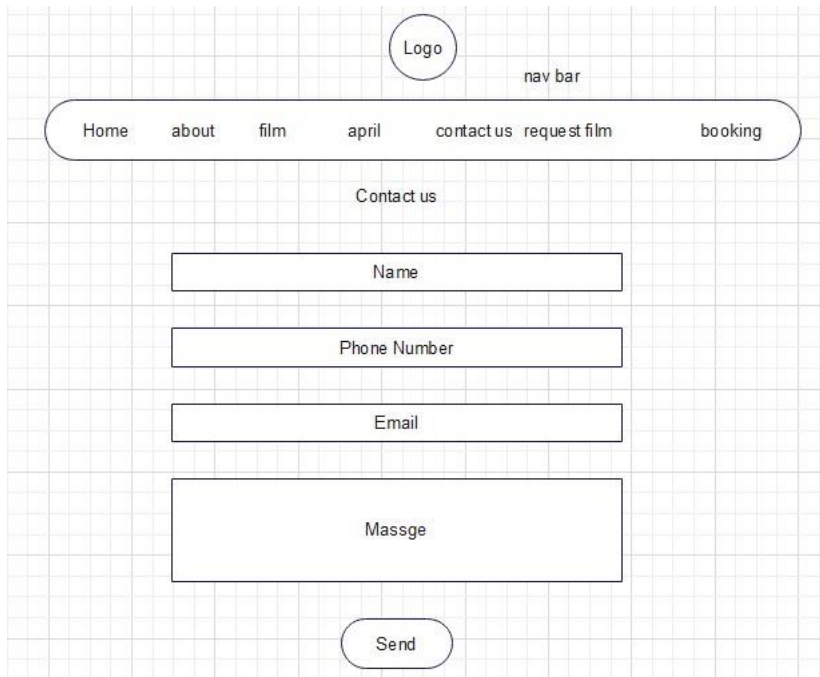


Figure 6: Wireframe EDRAW max drawing about contact us

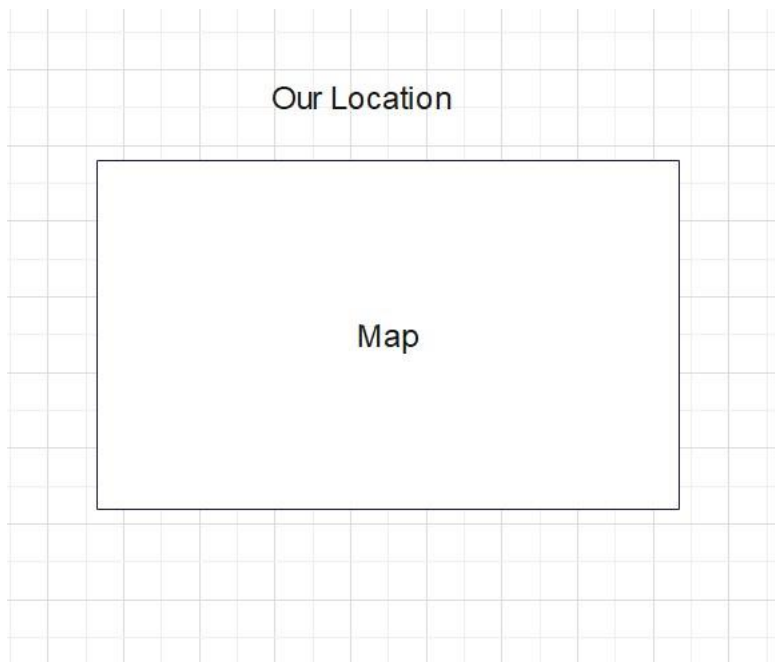


Figure 6: Wireframe EDRAW max drawing about contact us

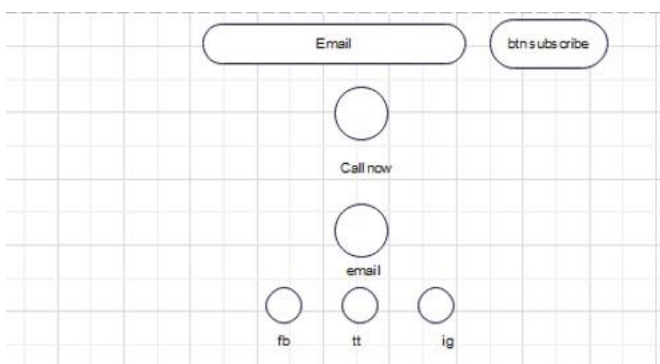
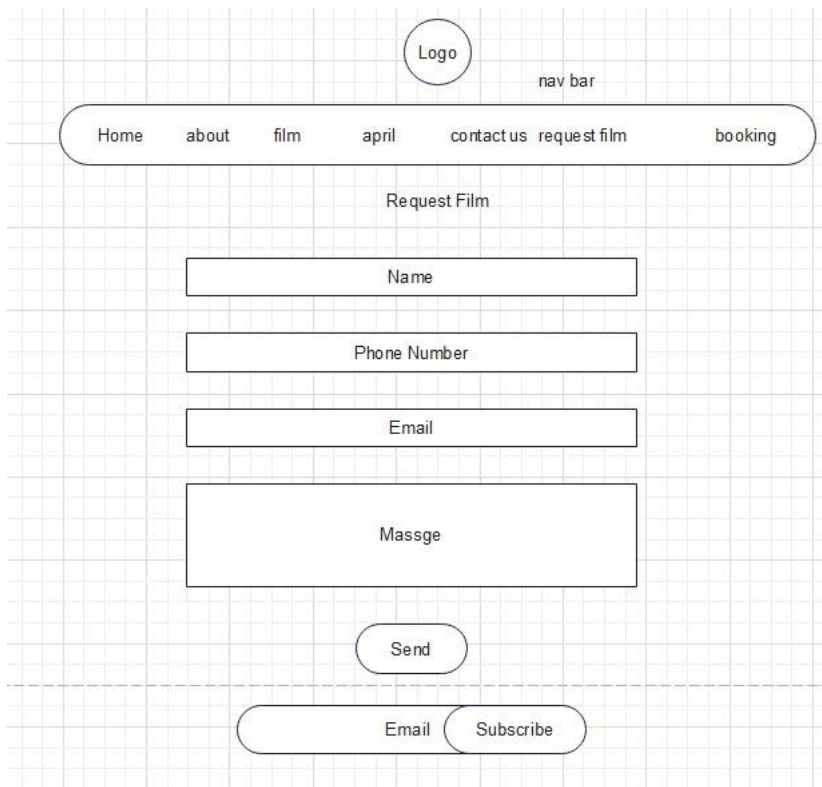


Figure 6: Wireframe EDRAW max drawing about contact us

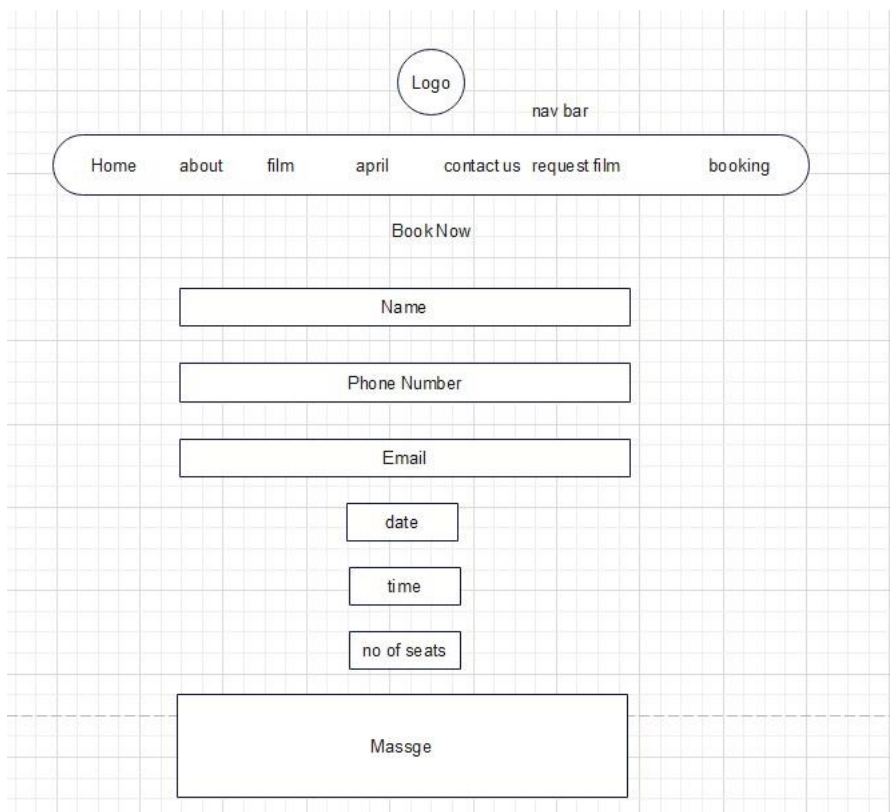
## Request film page



This wireframe illustrates the layout for the 'Request Film' page. At the top, there is a circular 'Logo' and a 'nav bar' containing links for 'Home', 'about', 'film', 'april', 'contact us', 'request film', and 'booking'. Below the navigation bar, the title 'Request Film' is centered. The main content area consists of four stacked input fields labeled 'Name', 'Phone Number', 'Email', and 'Massge' (likely a typo for 'Message'). Below these fields is a rounded 'Send' button. At the bottom, there is a horizontal layout with an 'Email' input field and a 'Subscribe' button. A dashed horizontal line separates the main content from the footer area.

Figure 7: Wireframe EDRAW max drawing about request page

## Booking system page



This wireframe illustrates the layout for the 'Booking system' page. It features a similar header with a 'Logo' and a 'nav bar' containing links for 'Home', 'about', 'film', 'april', 'contact us', 'request film', and 'booking'. Below the navigation bar, the title 'Book Now' is centered. The main content area includes four stacked input fields labeled 'Name', 'Phone Number', 'Email', and 'date'. Below the 'date' field are two more input fields labeled 'time' and 'no of seats'. At the bottom, there is a large input field labeled 'Massge' (likely a typo for 'Message'). A dashed horizontal line separates the main content from the footer area.

Figure 8: Wireframe EDRAW max drawing about booking page

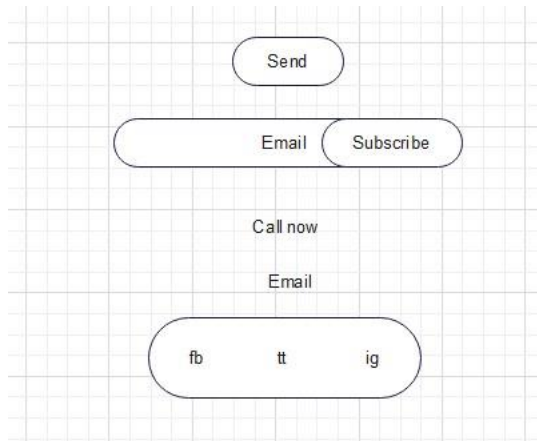


Figure 8: Wireframe EDRAW max drawing about booking page

### Technology used in website

#### Html

HTML is an abbreviation for Hypertext Markup Language, which is the standard markup language for creating web pages and web applications. HTML is a language that allows developers to define the structure and content of a web page using tags and attributes (© 2016 W3C ® , n.d.).

The World Wide Web is built on HTML, which is used in conjunction with other web technologies such as CSS and JavaScript to create dynamic and interactive web pages. HTML tags are used to define web page headings, paragraphs, links, images, forms, tables, and other elements (© 2016 W3C ® , n.d.).

HTML is an open standard, and the World Wide Web Consortium maintains its specifications (W3C). HTML5 is the most recent version of HTML, and it includes new features and capabilities such as native support for video and audio, improved accessibility, and enhanced semantics (© 2016 W3C ® , n.d.).

#### CSS

CSS is an abbreviation for Cascading Style Sheets, a style sheet language used to describe the presentation and layout of HTML and XML documents. CSS allows developers to separate a web page's content from its visual appearance, making it easier to maintain and update a website's design (© 2016 W3C ® , n.d.).

CSS is a set of rules and properties for controlling the size, position, color, font, and other visual aspects of HTML elements. CSS also allows developers to create responsive designs that adapt to various screen sizes and devices.

CSS is an open standard, and the World Wide Web Consortium maintains its specifications (W3C). CSS3 is the most recent version, which introduced new features such as advanced typography, animations, and transformations.

## Bootstrap

Bootstrap is a front-end framework that is open-source and free to use for designing and developing responsive websites and web applications. Bootstrap is a set of CSS and JavaScript components and utilities that assist developers in creating consistent and visually appealing layouts and user interfaces (MIT, docs CC BY 3.0., n.d.).

Twitter created Bootstrap, which is now maintained by the Bootstrap team, a group of developers and designers who contribute to the development and documentation of the framework. Bootstrap is built with HTML, CSS, and JavaScript and is compatible with the majority of modern web browsers (MIT, docs CC BY 3.0., n.d.).

Bootstrap comes with a grid system that allows developers to create flexible and responsive layouts, as well as a collection of pre-built components like forms, buttons, modals, and navigation menus. Custom themes and styles are also supported by Bootstrap, allowing developers to create unique designs that match their brand and visual identity (MIT, docs CC BY 3.0., n.d.).

## JavaScript

JavaScript is a high-level programming language that is used to create dynamic, interactive web pages and web applications. JavaScript runs on the client side, which means it is executed in the user's web browser, and it can manipulate a web page's Document Object Model (DOM) to create interactive user interfaces and animations (©1998–2023 by individual mozilla.org contributors., n.d.).

Netscape Communications Corporation first introduced JavaScript in 1995, and it has since become one of the most widely used programming languages on the internet. JavaScript is supported by the majority of modern web browsers and can also be used on the server side with technologies such as Node.js (©1998–2023 by individual mozilla.org contributors., n.d.).

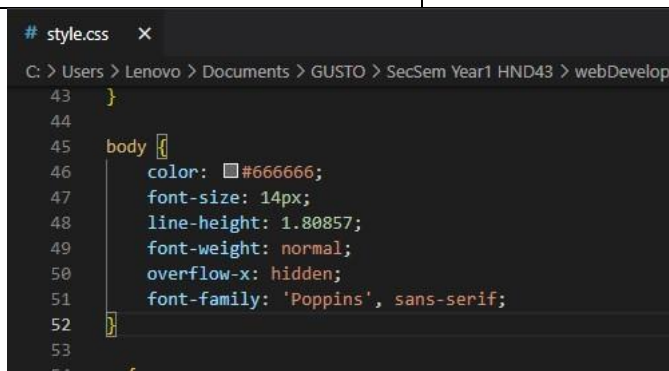
Variables, functions, loops, conditionals, arrays, objects, and other features and capabilities are available in JavaScript. To create dynamic and data-driven web

applications, JavaScript can interact with other web technologies such as HTML, CSS, and APIs (©1998–2023 by individual mozilla.org contributors., n.d.).

## Visual style specification

### External style CSS

Body	
Color	Grey (#666666)
Font	Poppins and sans-serif
Font-sizes	14px



```
# style.css
C: > Users > Lenovo > Documents > GUSTO > SecSem Year1 HND43 > webDevelopment
43 }
44
45 body {
46   color: #666666;
47   font-size: 14px;
48   line-height: 1.80857;
49   font-weight: normal;
50   overflow-x: hidden;
51   font-family: 'Poppins', sans-serif;
52 }
53
54
```

**Figure1.1; body style CSS**

Header	
Letter spacing	0
Position	Relative
Color	Black (#111111)
Margin	0
H1 font size	24px
H2 font size	22px
H3 font size	18px
H4 font size	16px
H5 font size	14px
H6 font size	13px

```
h1,
h2,
h3,
h4,
h5,
h6 {
  letter-spacing: 0;
  font-weight: normal;
  position: relative;
  padding: 0 0 10px 0;
  font-weight: normal;
  line-height: normal;
  color: #111111;
  margin: 0
}

h1 {
  font-size: 24px
}

h2 {
  font-size: 22px
}
```

Figure 1.2: header style CSS

```
h3 {
  font-size: 18px
}

h4 {
  font-size: 16px
}

h5 {
  font-size: 14px
}

h6 {
  font-size: 13px
}
```

Figure 1.2: header style CSS

Image	
Max-width	100%
Height	Auto

```
img {
  max-width: 100%;
  height: auto;
}
```

Figure 1.3: Image style CSS

Button	
Margin top	20px
Background-color	Transparent
Border	2px



Border type	solid
Border color	#DDD
Padding	12px, 40px
Font size	16px

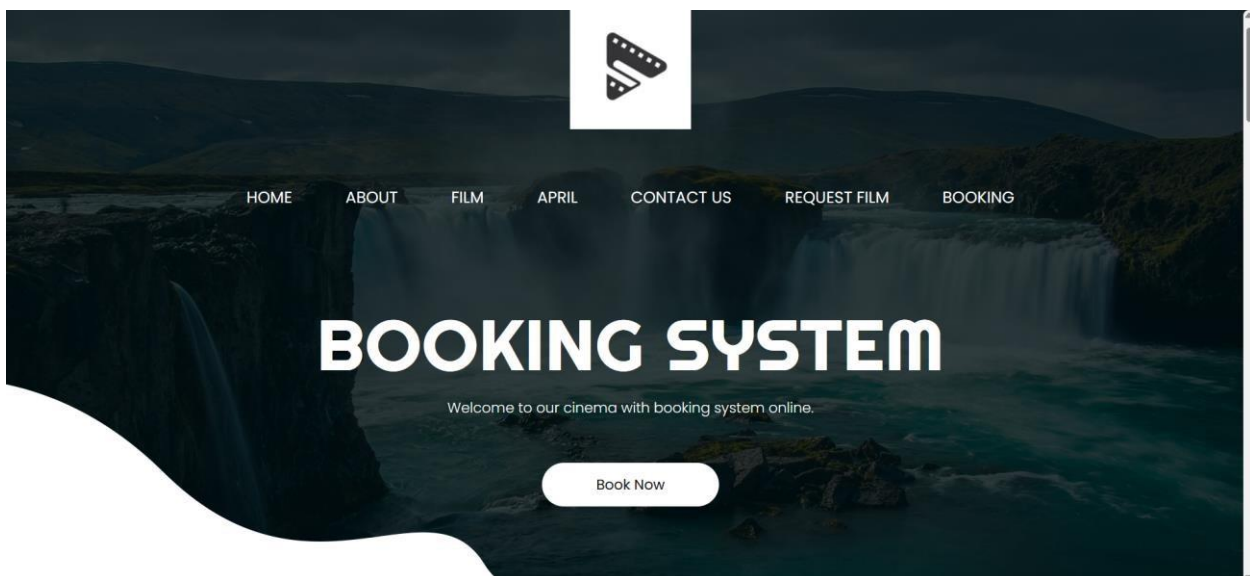
```
.btn-custom {  
  margin-top: 20px;  
  background-color: transparent !important;  
  border: 2px solid #ddd;  
  padding: 12px 40px;  
  font-size: 16px;  
}
```

**Figure: 1.4: image style CSS**

## Task 2

### Home page

#### Laptops view

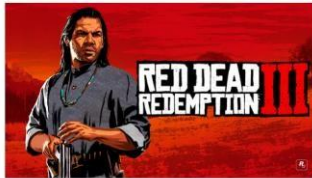


**Figure 9: Header section**

In nav bar, we have logo in the center and in nav bar, we have home page linked to index.html, about page linked to about.html, film page linked to film.html, April page linked to April.html, contact page linked to contact.html, request form page linked to request.html and booking page linked to booking.html. There is a booking system title which is linked with booking.html and it will lead to booking

## Film

Showing Now Films



RED DEAD



GTA V



CYBERPUNK 2077

### Figure 9: Film section

After that we have now showing film and we put title with button which is linked with film.html so it will lead you to film page for you to browse more movies.

## April

Coming Soon Films on April



DEAD SPACE



WARFRAME



FORTNITE

### Figure 9: April section

April section is same as film section and each button from April section will leads you to April page because it is linked with April.html.

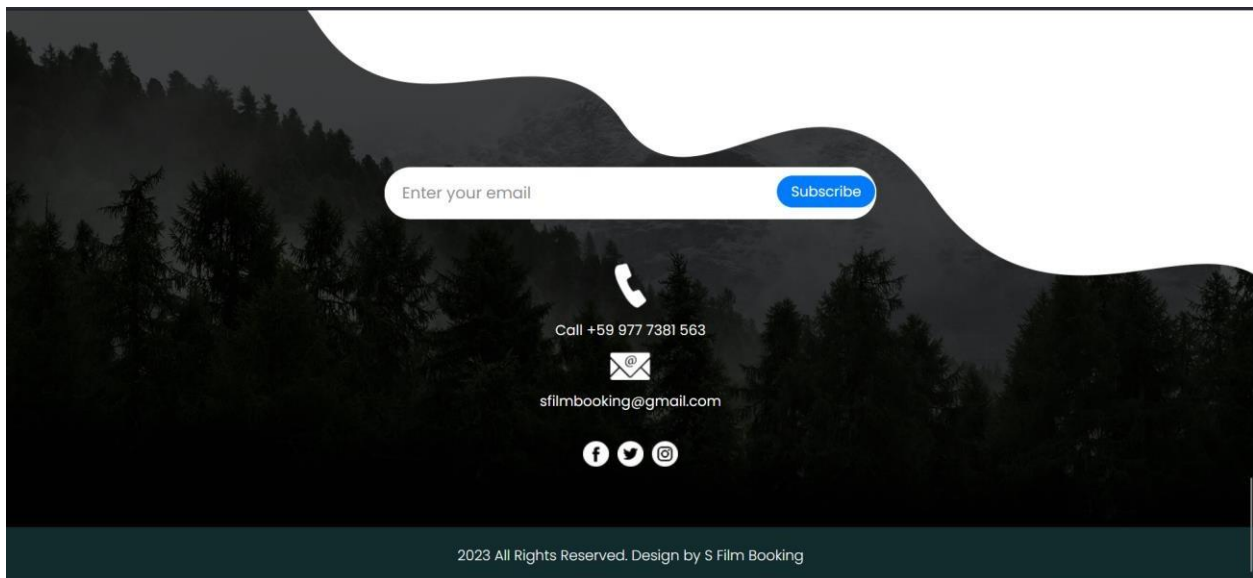
## About Us

Welcome to our movie booking system! We are passionate about movies and believe that everyone deserves a hassle-free experience when it comes to booking tickets for their favorite films.

[READ MORE](#)

### Figure 9: about section

After that we have about section where you can read about our company and the button of read more in about section will leads you to about page where you can read more details about us because it is linked with about.html.



### Figure 9: Footer section

After that we have end section where we have email subscription and way to contact to our company and our social medias.

### Phone/tablet view

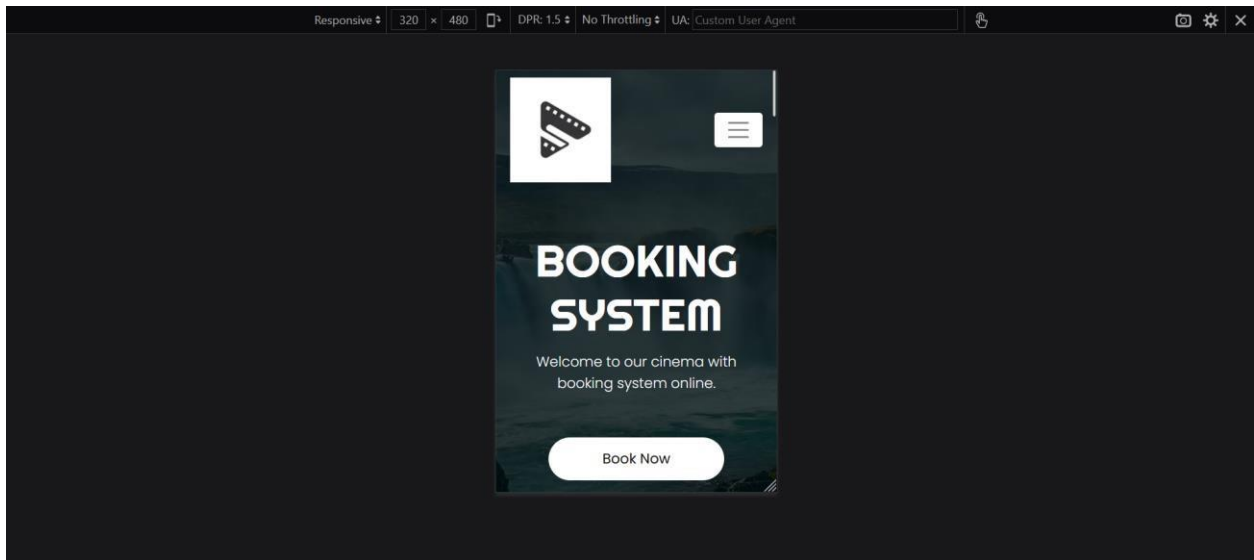


Figure 9: Header section

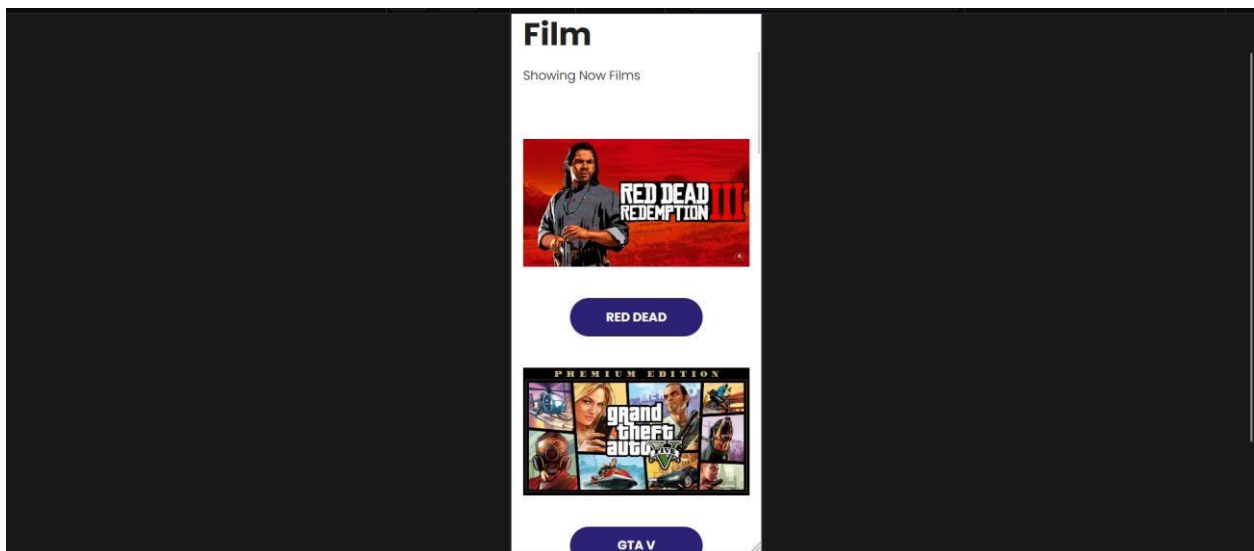
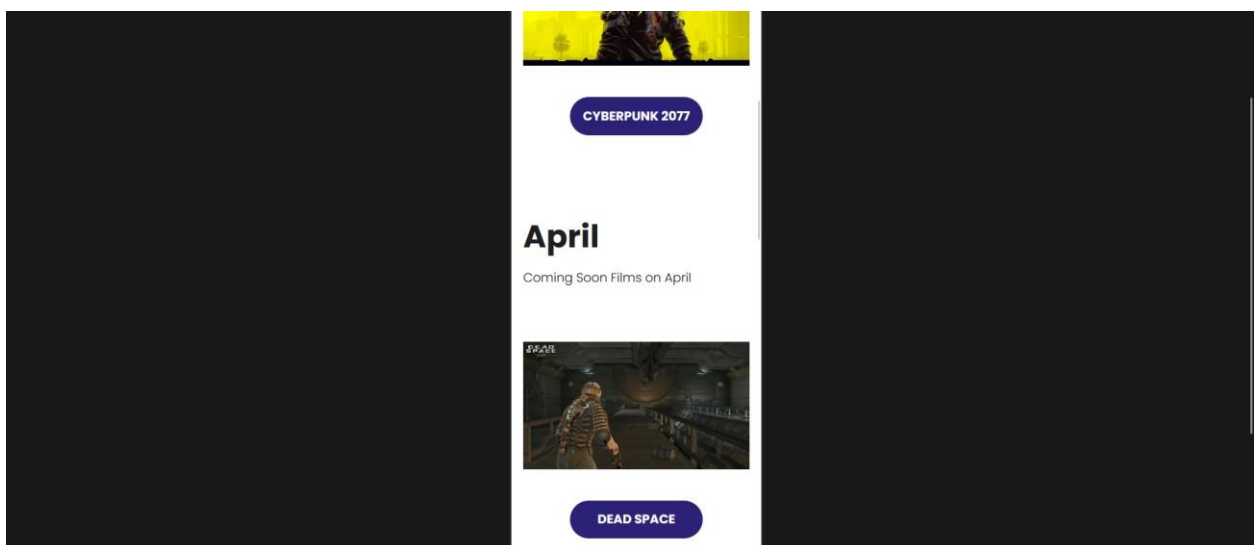
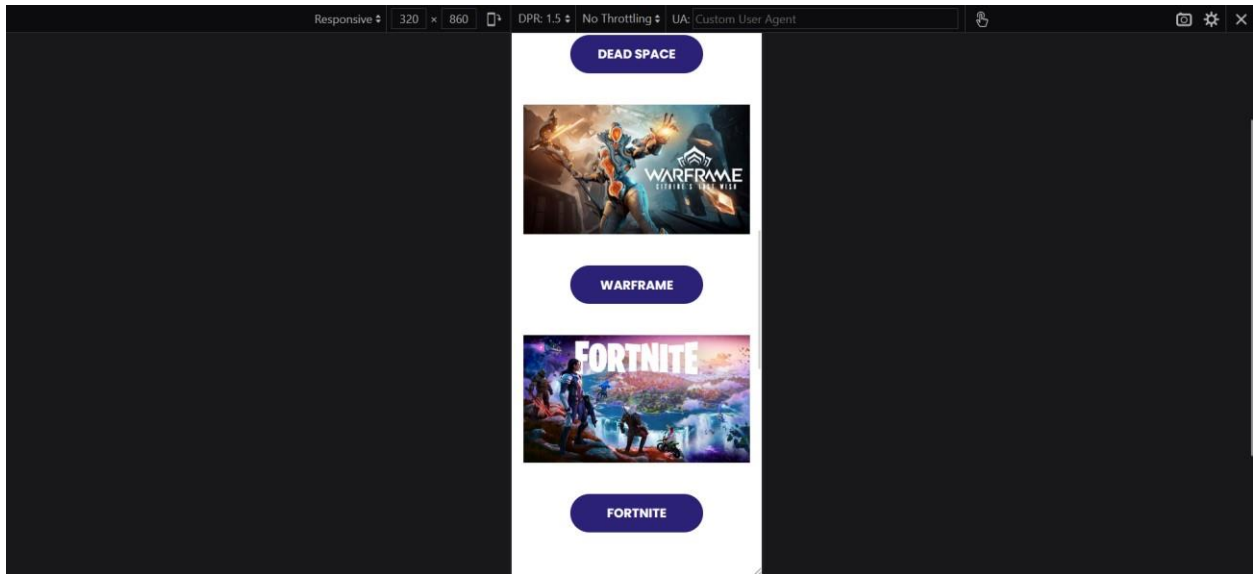
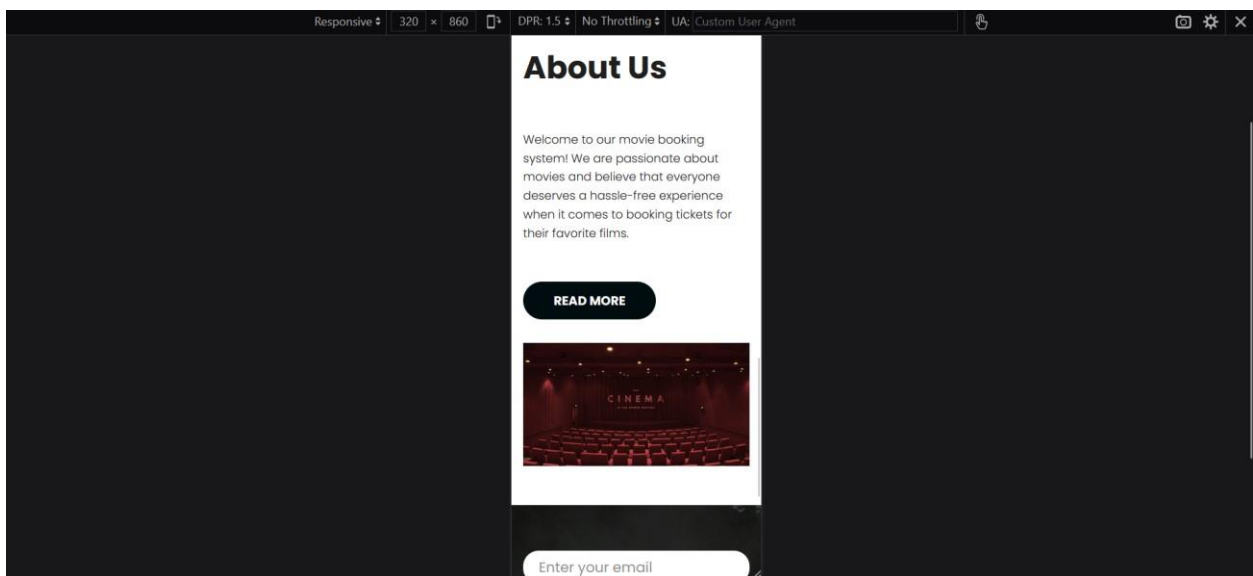
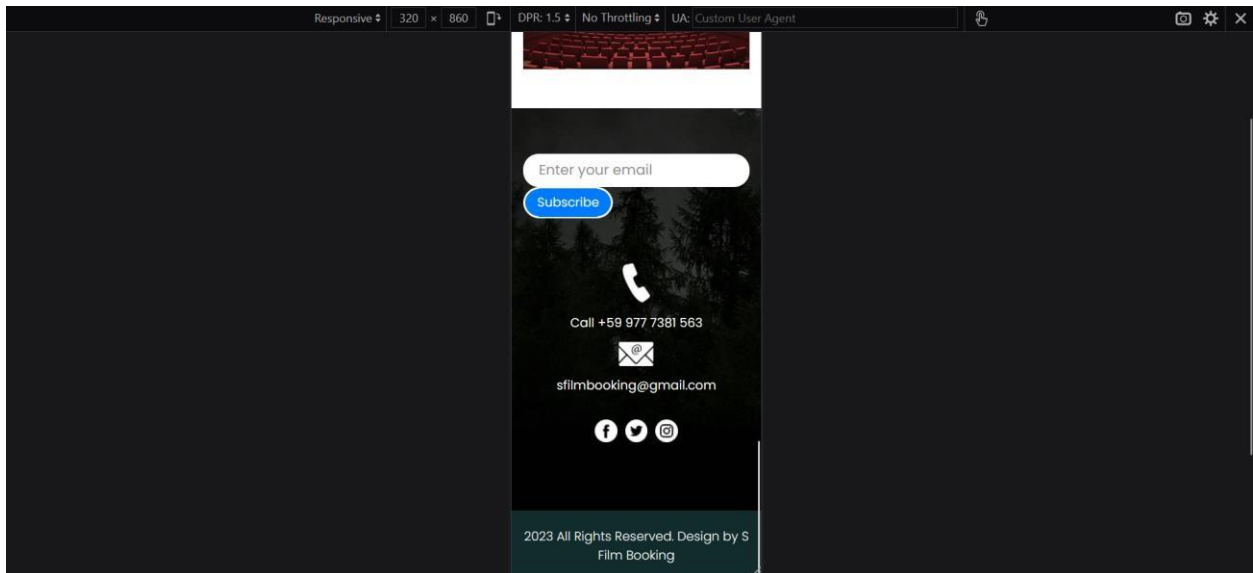


Figure 9: Film section



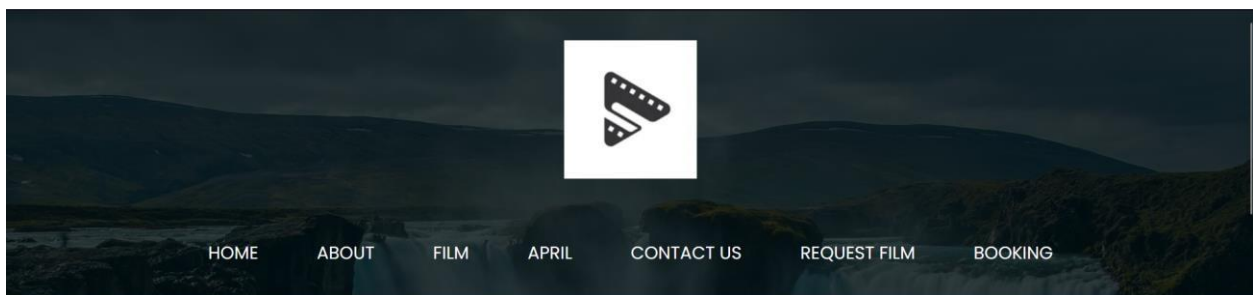
**Figure 9: April section****Figure 9: April section****Figure 9: About section**



**Figure 9: Footer section**

[About page](#)

**Laptop view**



**Figure 10: Header section**

The nav bar and logo will be same as home page.

## About Us

Welcome to our movie booking system! We are a company dedicated to providing our customers with an easy and convenient way to book movie tickets. Our goal is to make the movie-going experience as enjoyable as possible by providing a simple and efficient booking process.

[READ MORE](#)



**Figure 10: About section**

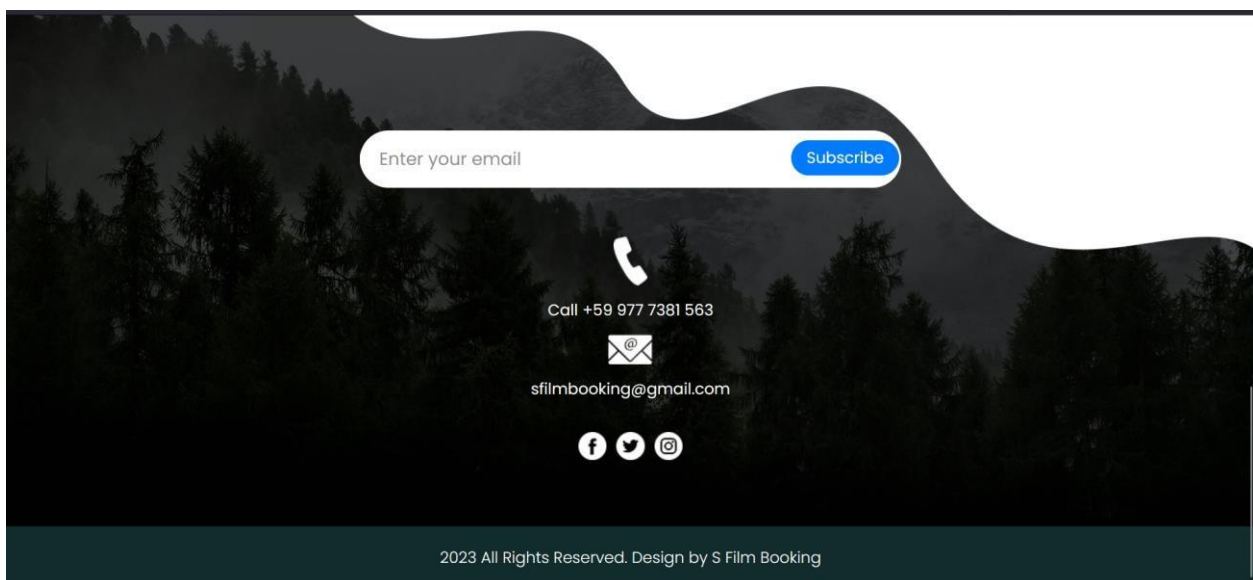


This page is about us page so in this page we will put details and purpose of our program and button of read more linked to contact us page in case customer has any questions and suggestions.



**Figure 10: About Video section**

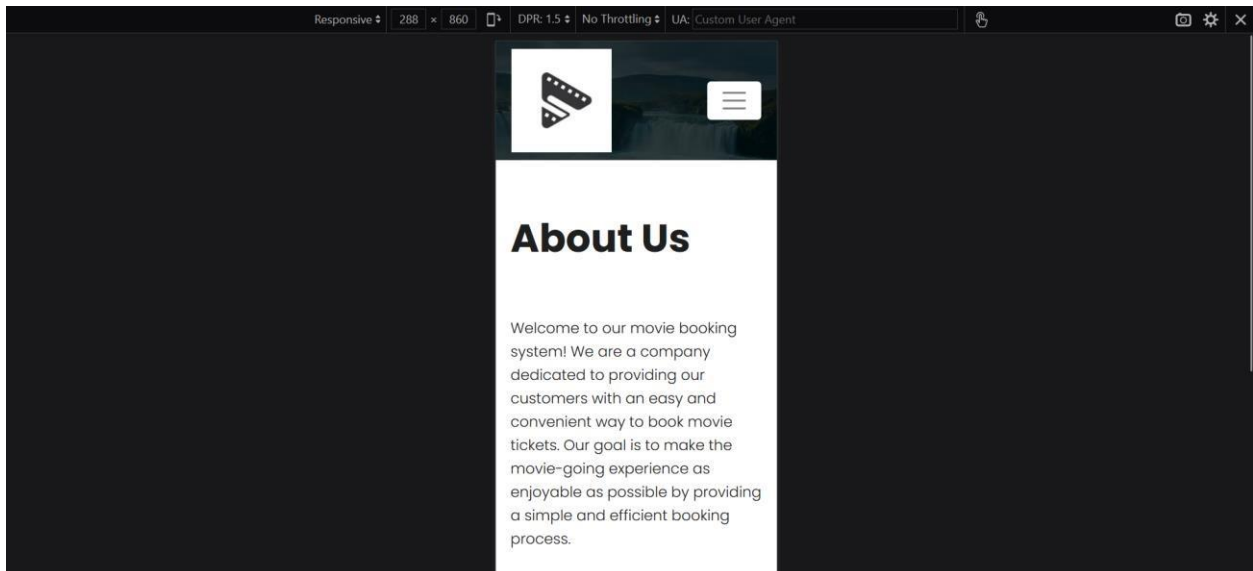
There is a commercial video for customer to look inside the cinema after booking for the tickets.



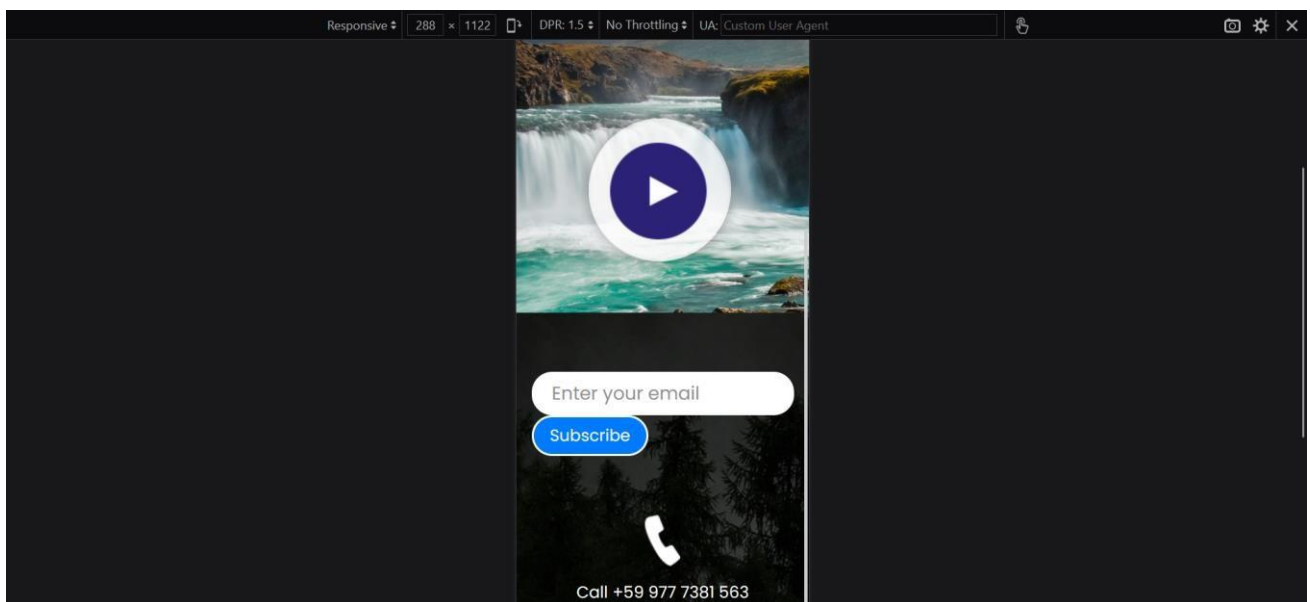
**Figure 10: Footer section**

The end div is same as the home page.

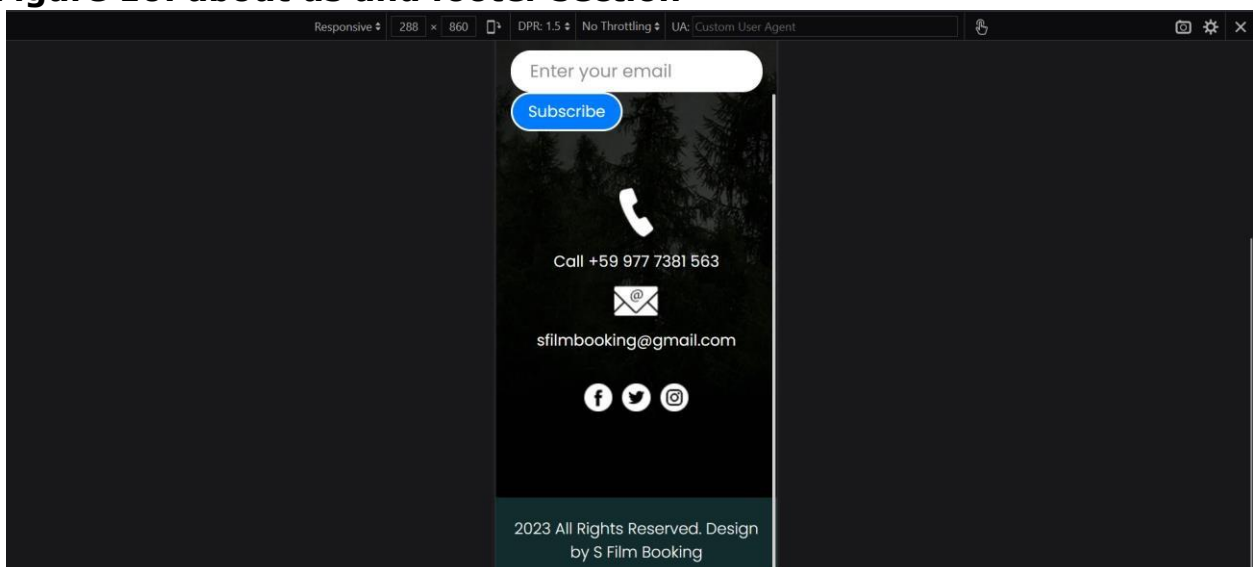
### Phone/ tablet view



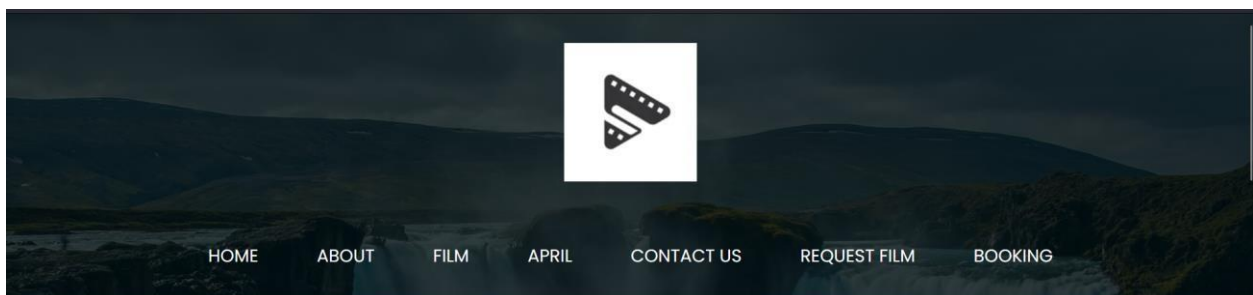
**Figure 10: Header and about us section**



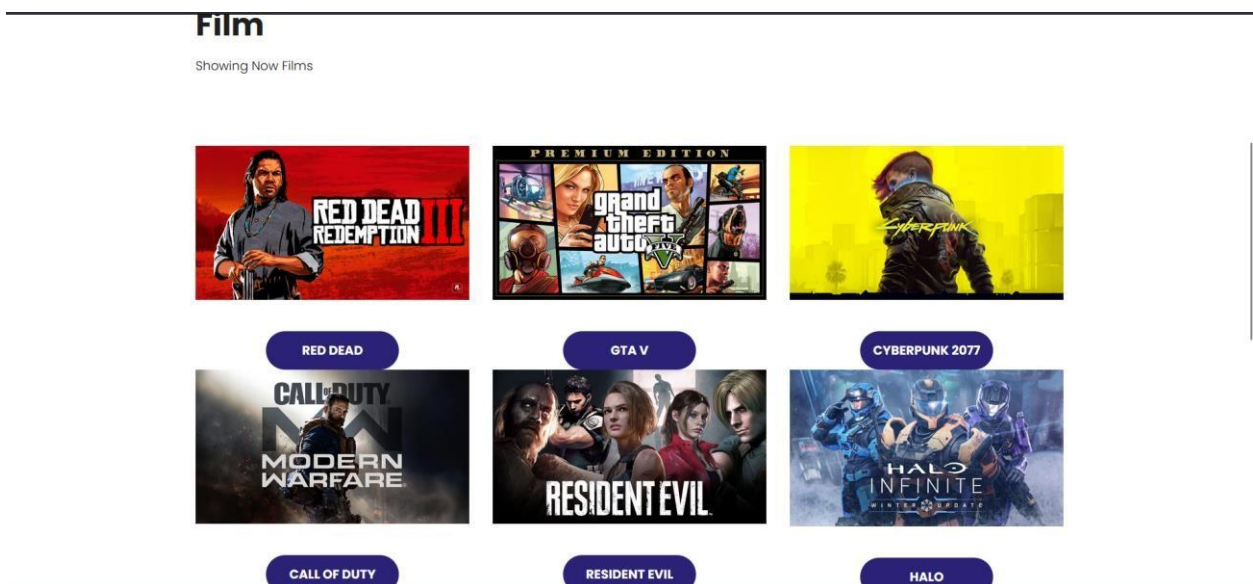
**Figure 10: about us and footer section**



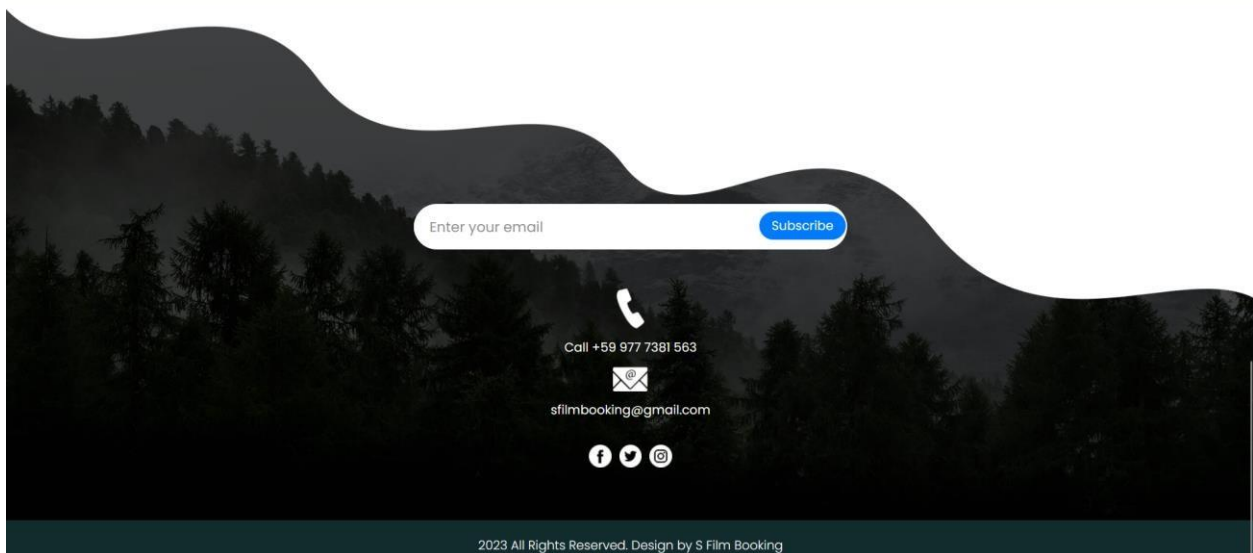


**Figure 10: Footer section**[Film page](#)**Laptop view****Figure 11: Header section**

The nav bar and logo will be same as home page.

**Figure 11: Film section**

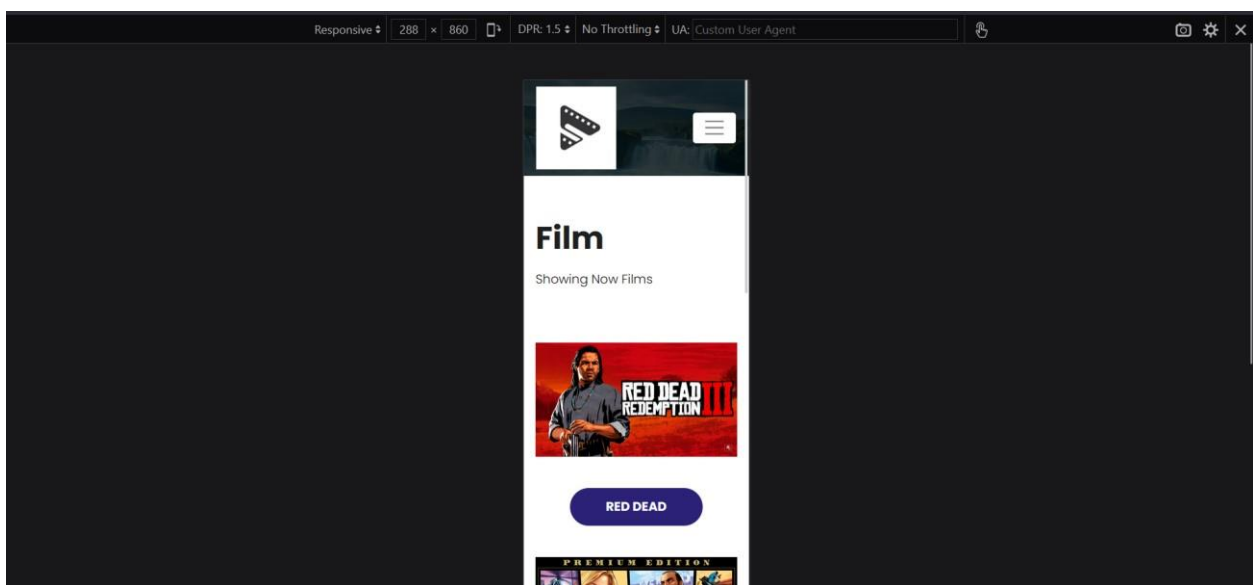
This is the film page which shows now showing film in cinema. There are total 6 movies showing in cinema and each button will leads to booking page which is linked with booking.html.



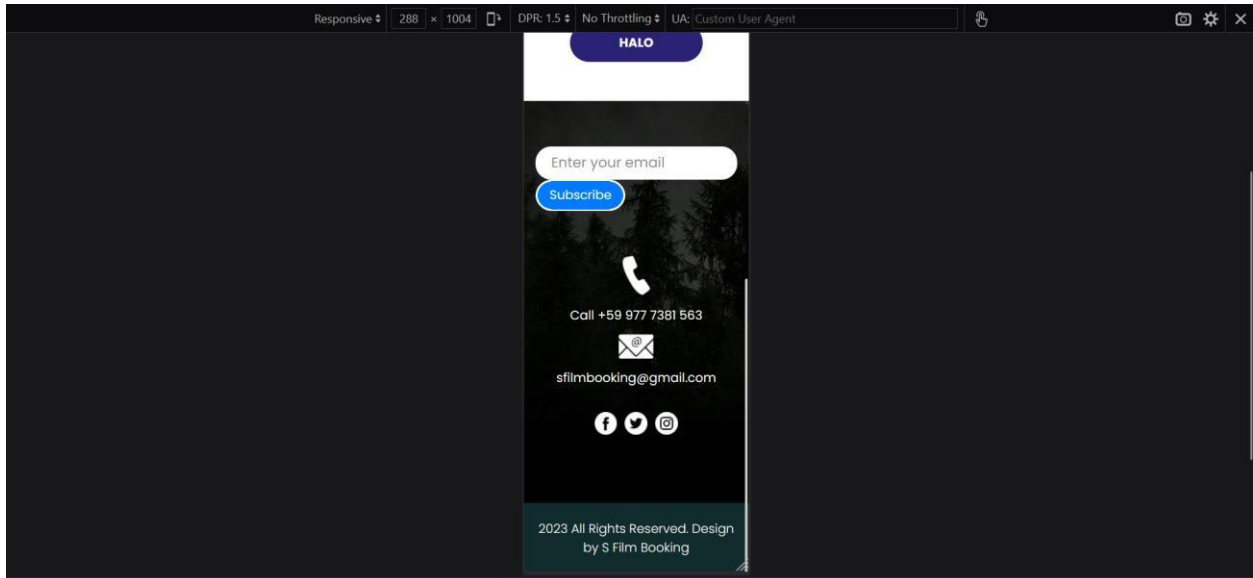
**Figure 11: Footer section**

The end div is same as the home page.

### Phone/tablet view



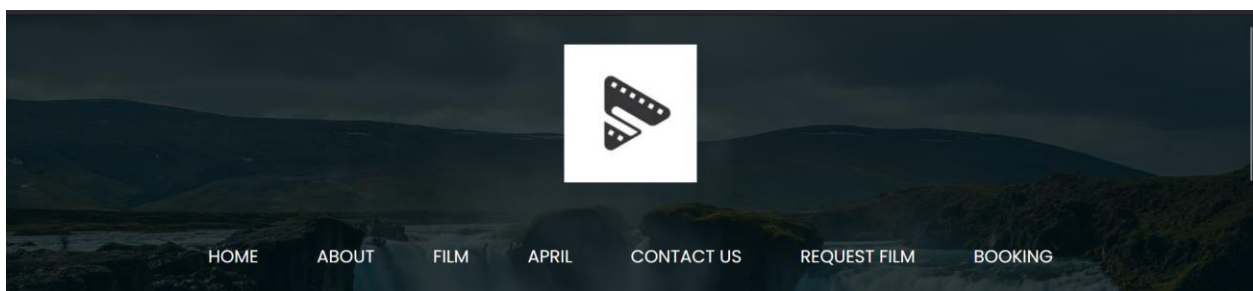
**Figure 11: Header and film section**



**Figure 11: Footer section**

April page

**Laptop view**

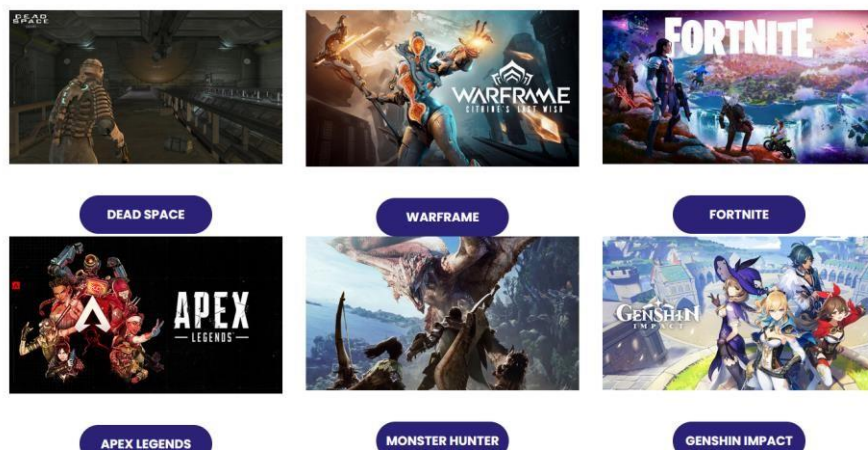


**Figure 12: Header section**

The nav bar and logo will be same as home page.

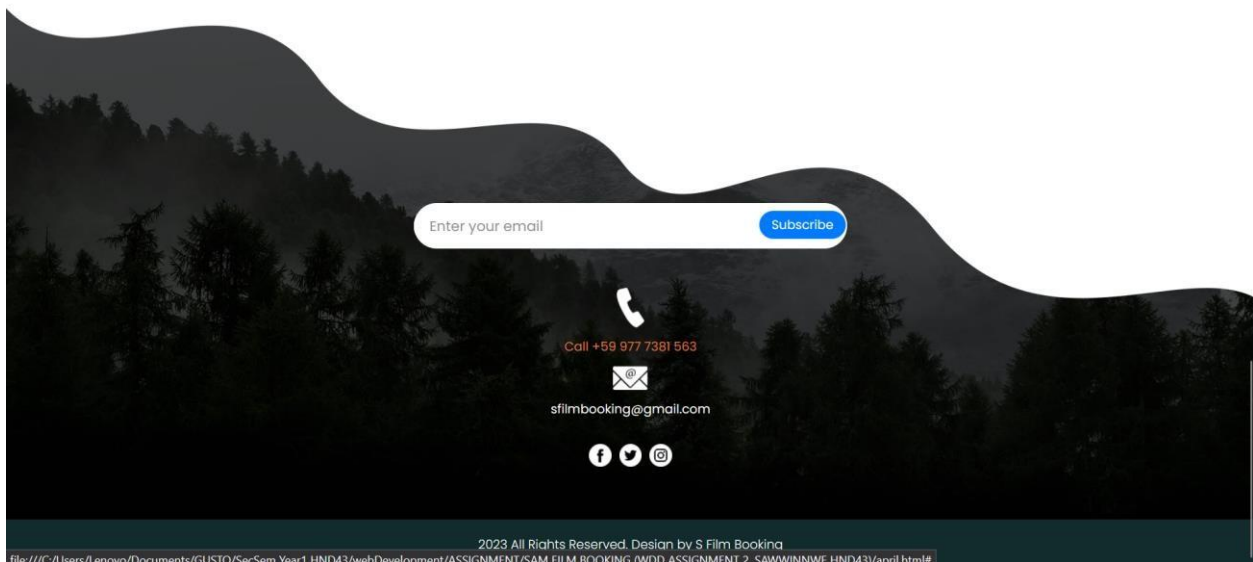
## April

Coming Soon Films on April



## Figure 12: April section

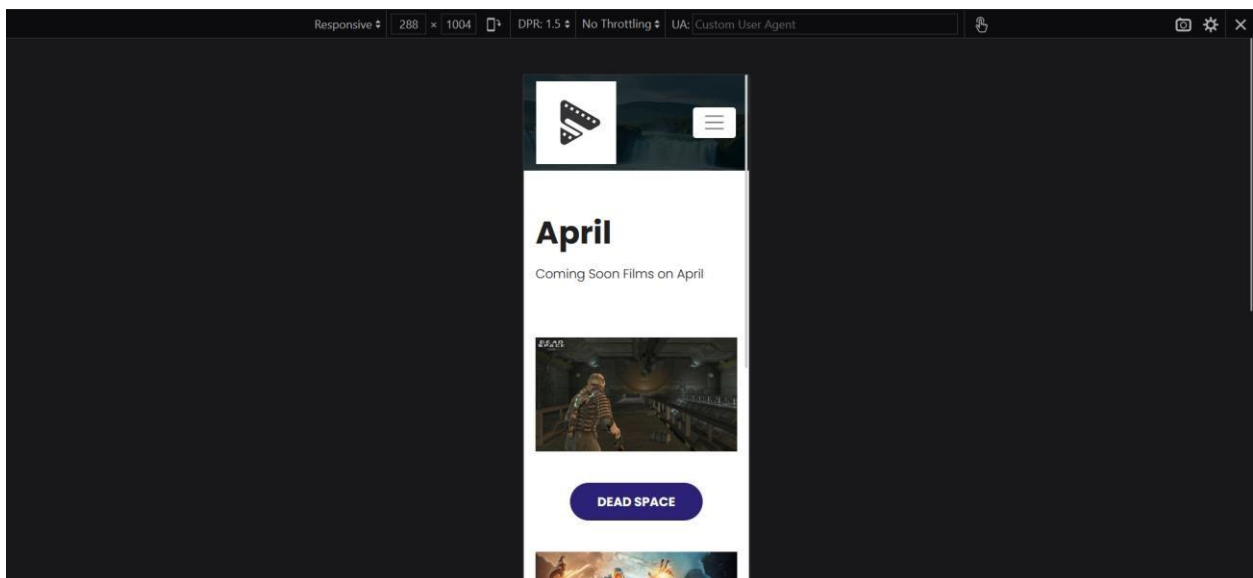
This is April page as known as coming soon page. This page is same as film page but different film and the link to the button are linked with request.html.



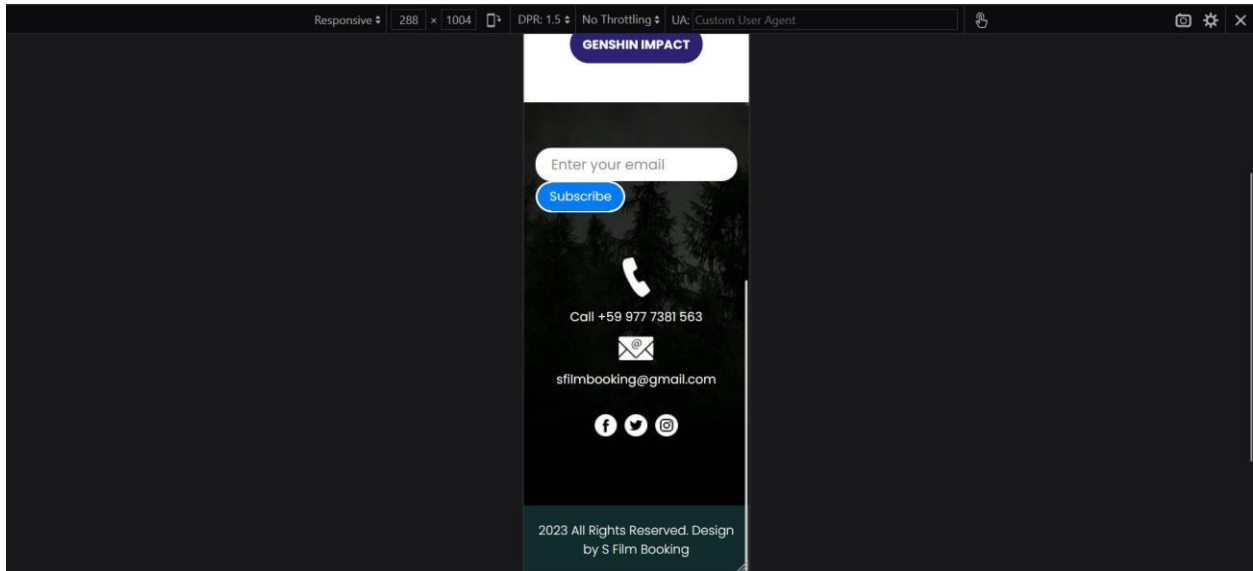
## Figure 12: Footer section

The end div is same as the home page.

## Phone/tablet view



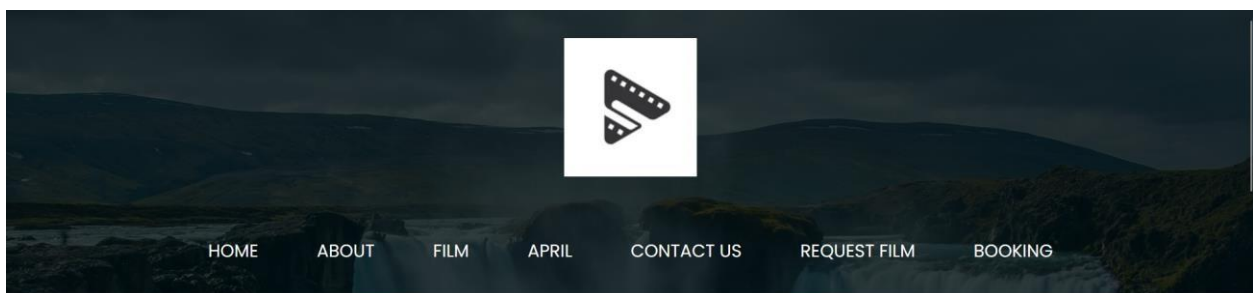
## Figure 12: Header and April section



**Figure 12: Footer section**

Contact us page

**Laptop view**



**Figure 13: Header section**

The nav bar and logo will be same as home page.

## Contact Us

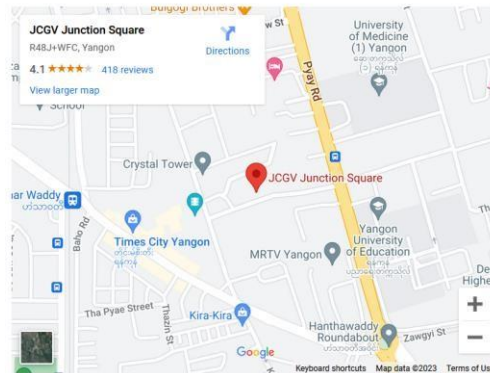
Name
Phone Number
Email
Message
Send

**Figure 13: Contact us section**

This is contact us page and, in this page, customer can contact us by putting in name, phone number, email and say thing they want say in message and send button is linked with our email so feedback will be arrived to our email.

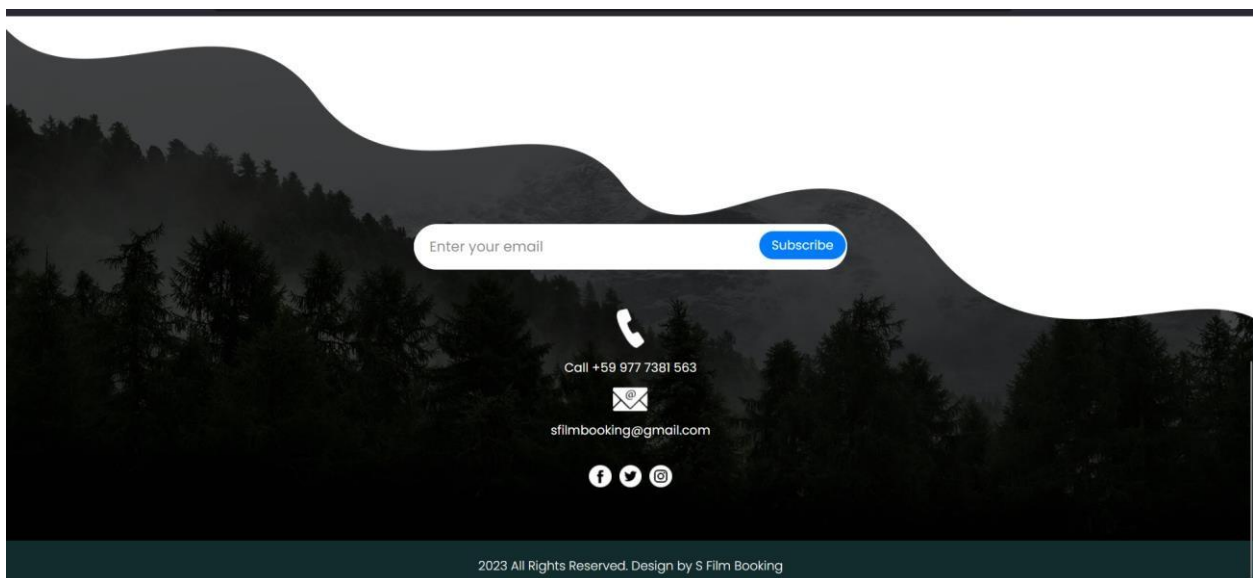
---

Send



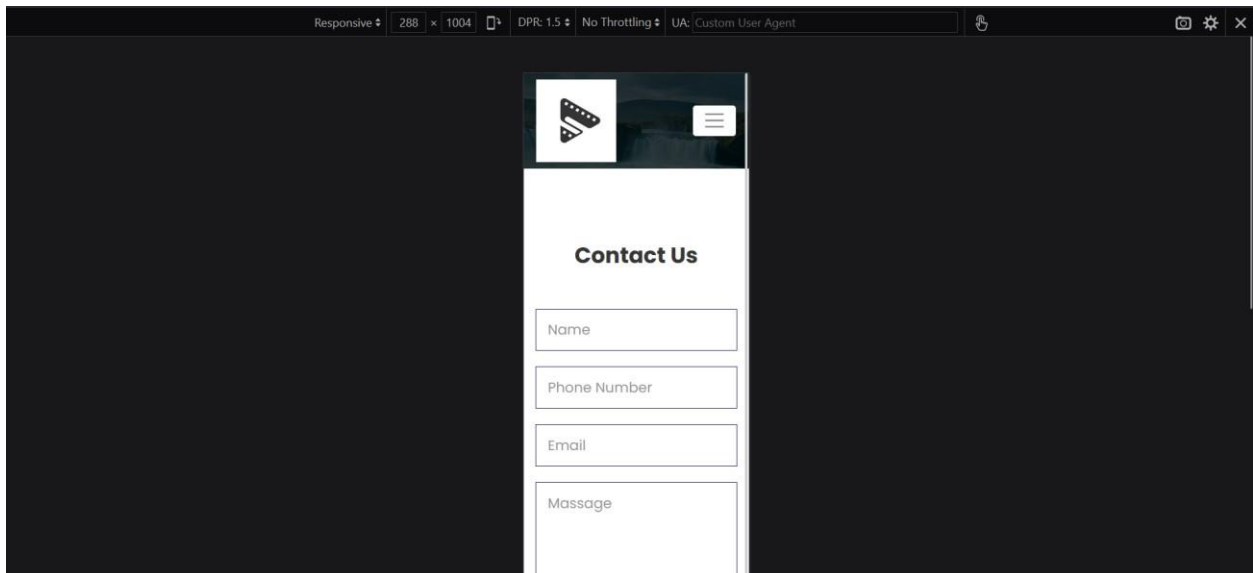
Our Location

**Figure 13: Contact us Location section** we put our location in contact us page so customer can come to our company and ask details about the booking system.

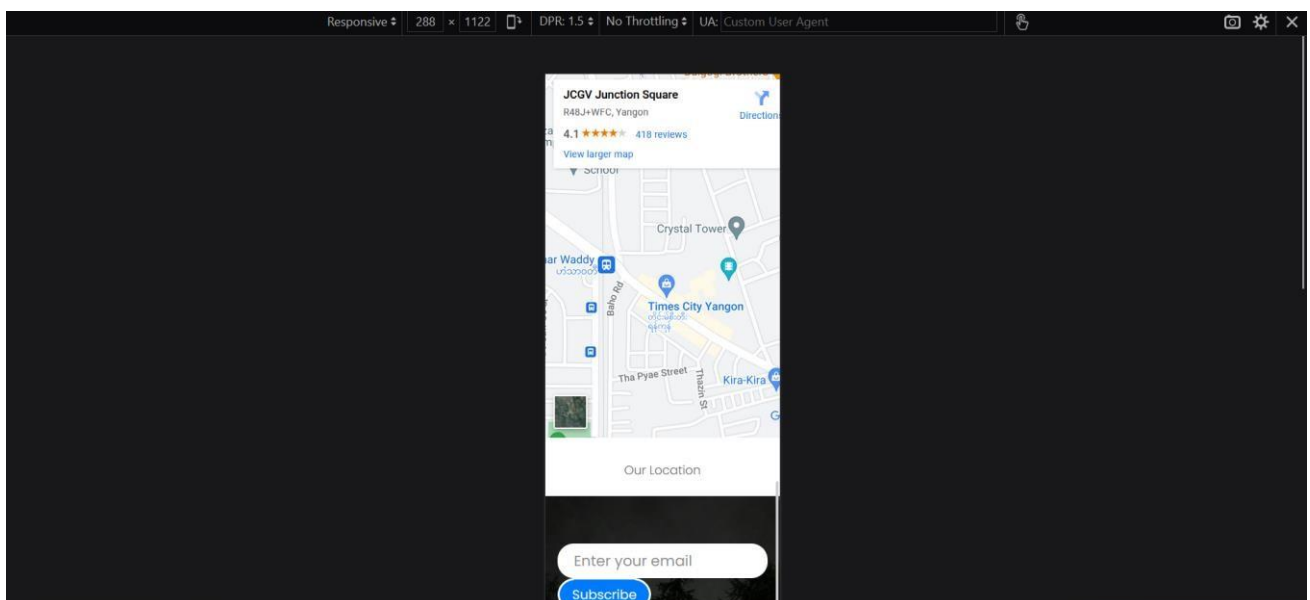
**Figure 13: Footer section**

The end div is same as the home page.

**Phone/ tablet view**

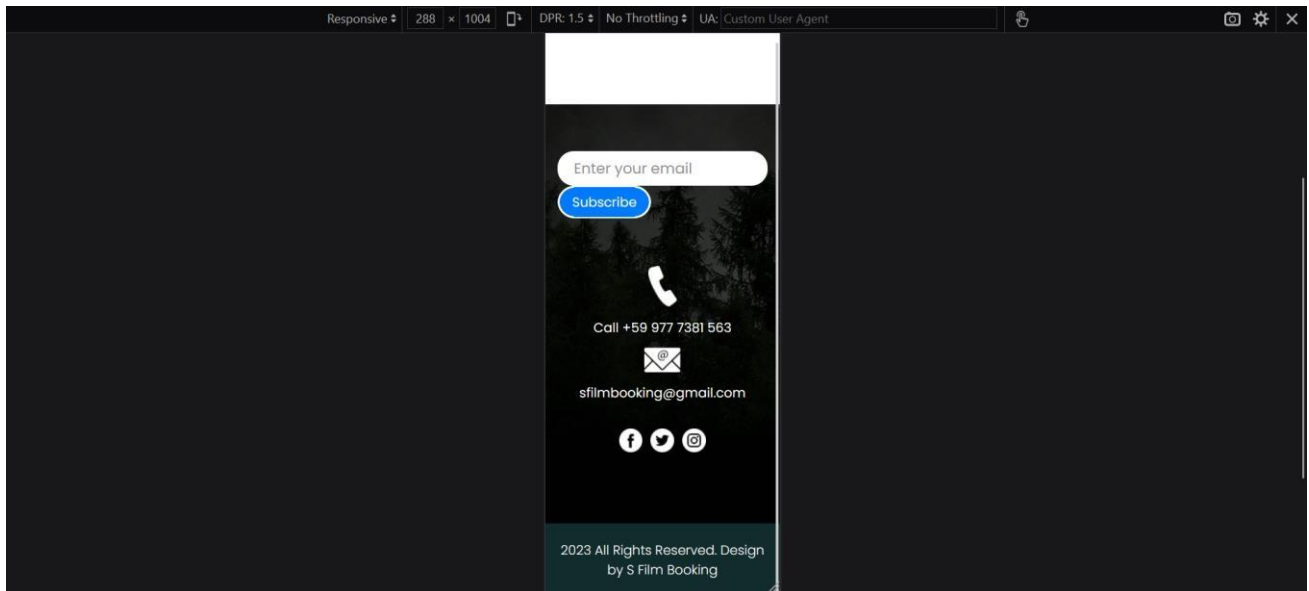


**Figure 13: Header and contact us section**



**Figure 13: Contact us Location section**

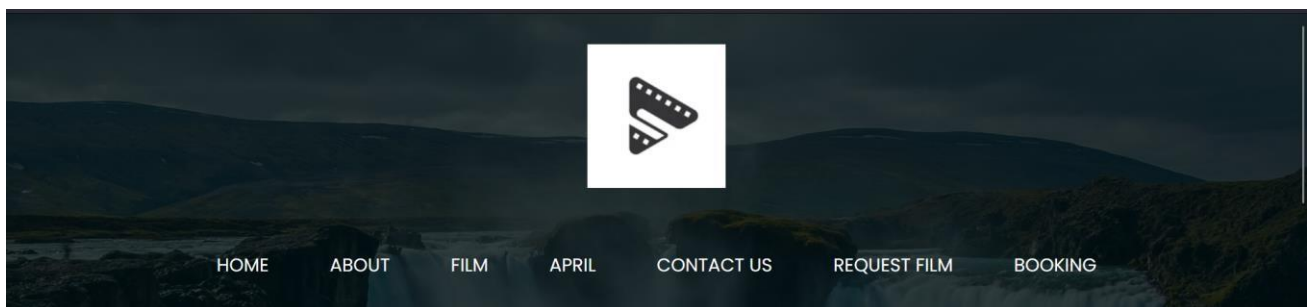




**Figure 13: Footer section**

Request film page

**Laptop view**

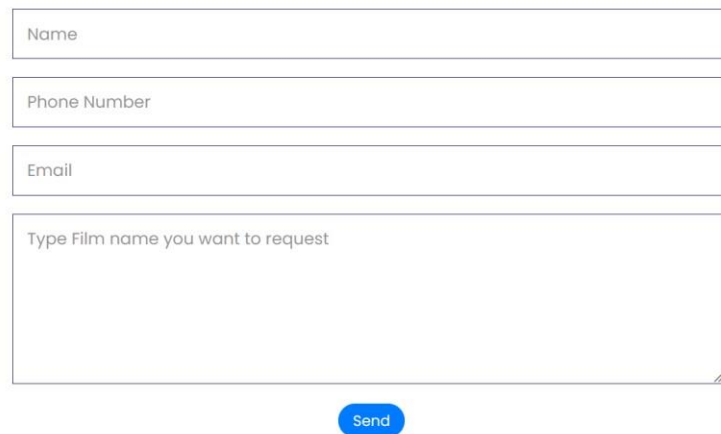


**Figure 14: Header section**

The nav bar and logo will be same as home page.



## Request Here



A form titled "Request Here" with four input fields and a "Send" button. The fields are labeled "Name", "Phone Number", "Email", and "Type Film name you want to request". The "Send" button is blue and located below the fields.

Name

Phone Number

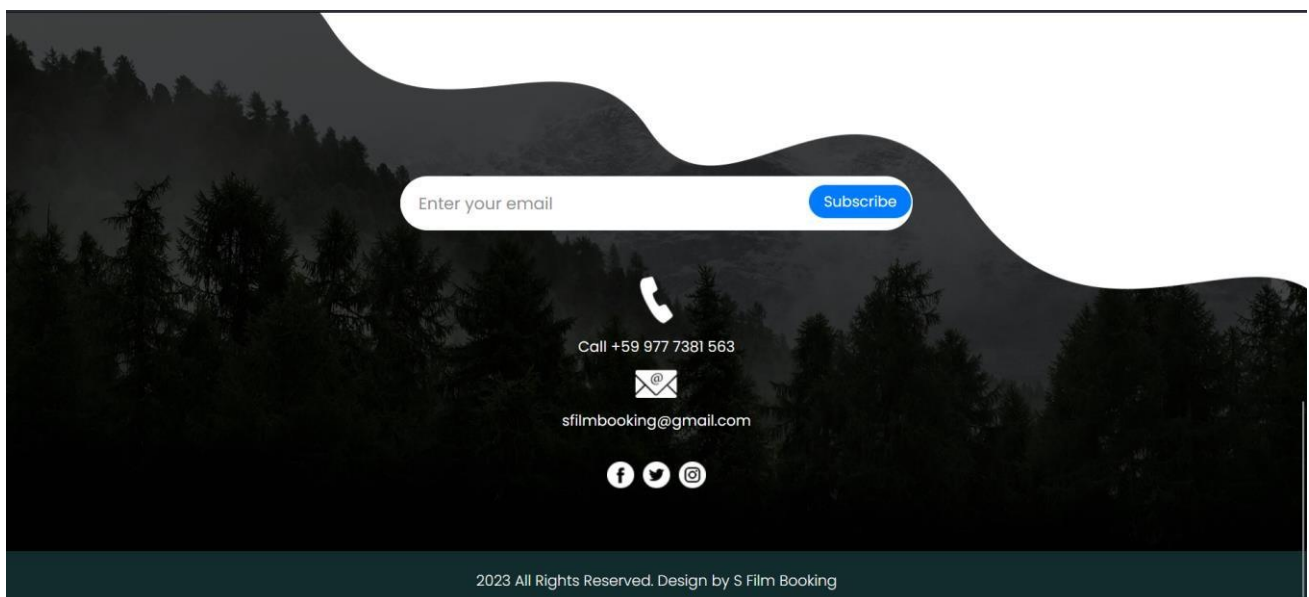
Email

Type Film name you want to request

Send

**Figure 14: Request Film section**

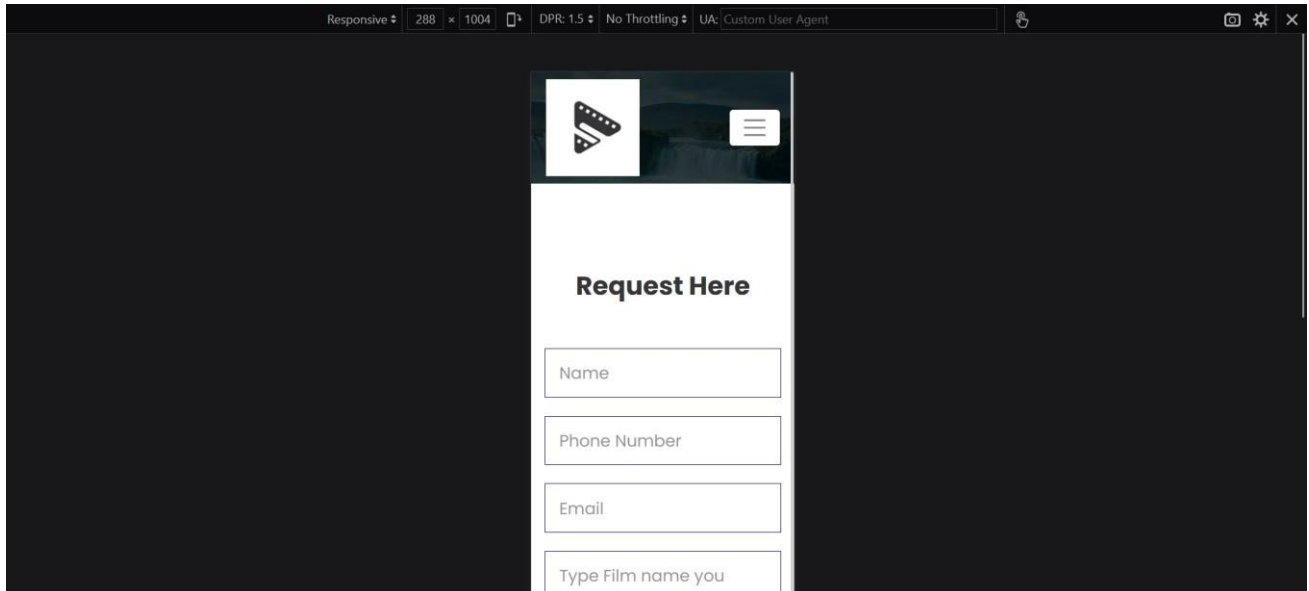
This is request form page and mostly this page is same as contact page but in message area, customer can type film they want to request.



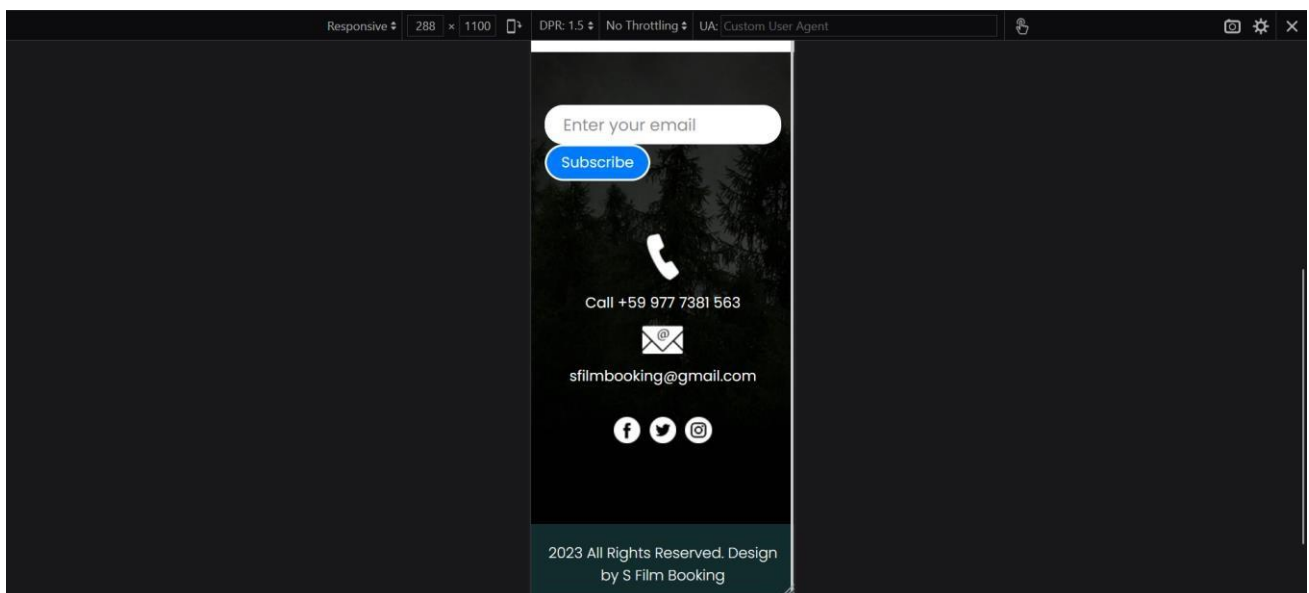
**Figure 14: Footer section**

The end div is same as the home page.

**Phone/ tablet view**



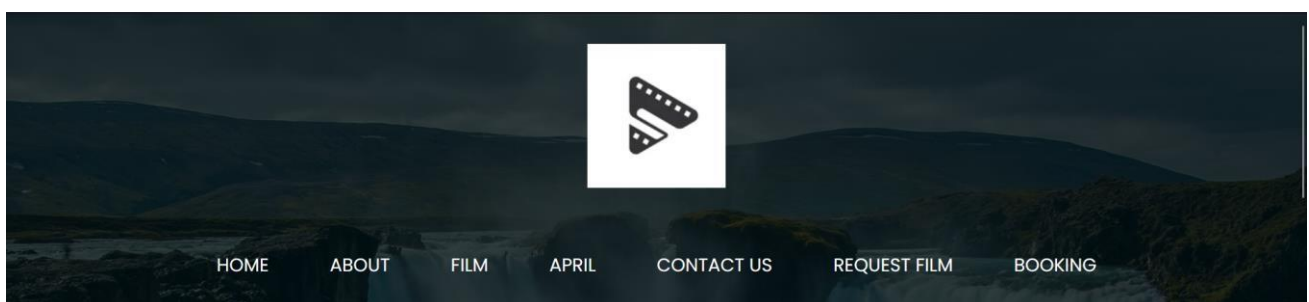
**Figure 14: Header and request section**



**Figure 14: Footer section**

[Booking page](#)

**Laptop view**



**Figure 15: Header section**

The nav bar and logo will be same as home page.

---

### Book Now

Date:

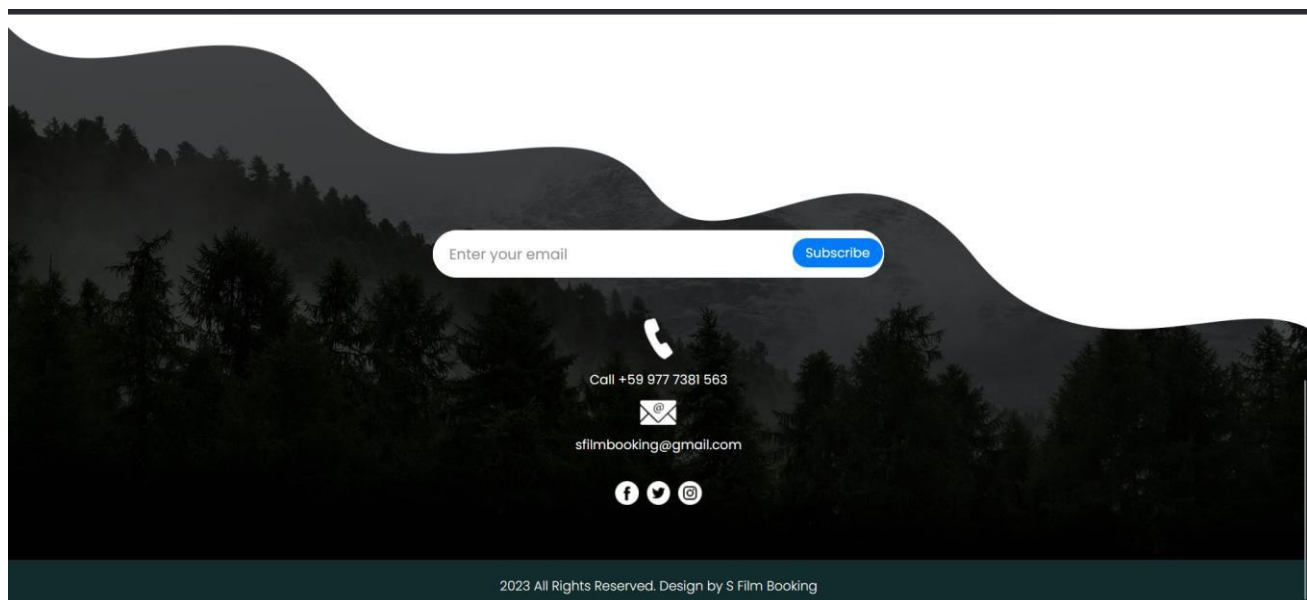
Time:

Number of Seats:

Send

**Figure 15: Booking section**

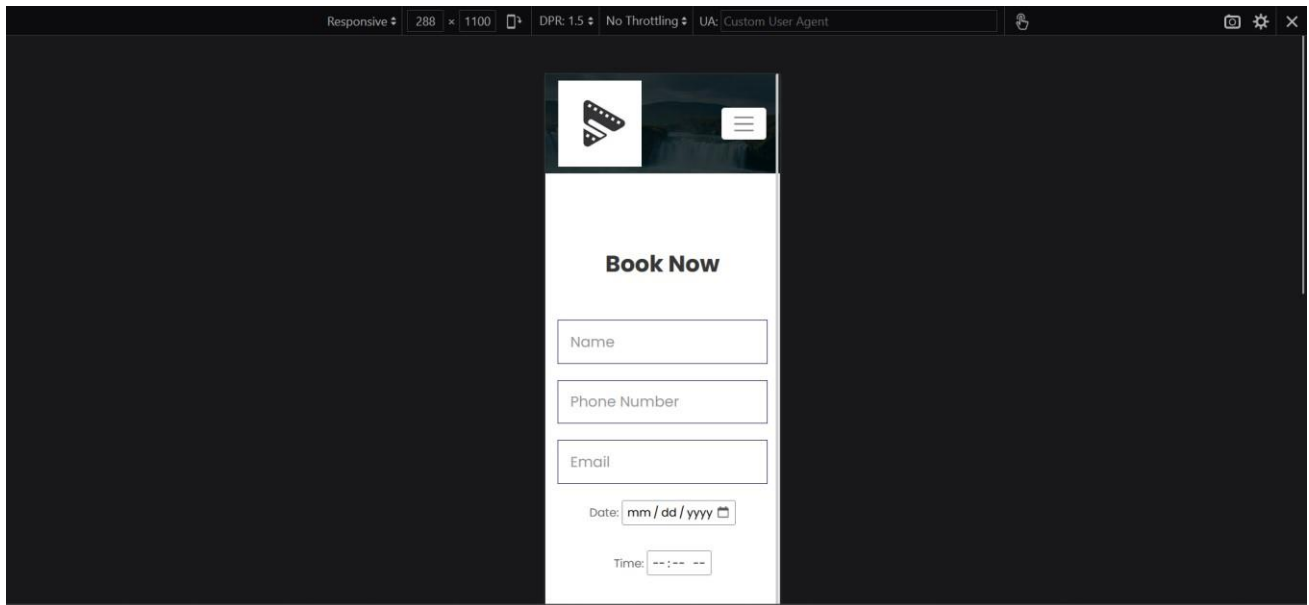
This is booking system page and every film the customer choose will be linked to this page. Customer can book film for film page and those booking form will arrive to company's mail. If booking available, we will send you the ticket. If not, we will put options for customers.



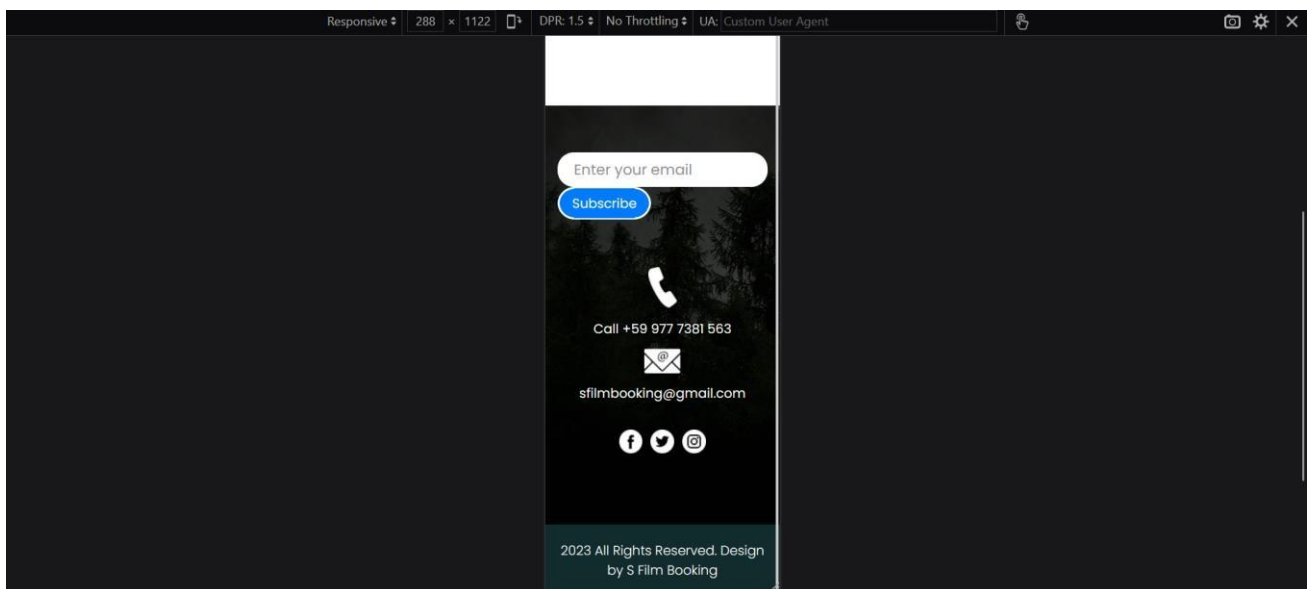
**Figure 15: Footer section**

The end div is same as the home page.

**Phone/tablet view**



**Figure 15: Header and Booking section**



**Figure 15: Footer section**

### Met the Requirement test

Requirement	Inclusion yes/no
Produce a design paper containing the necessary principles	yes
Standard criteria for creating a branded	Yes, SFILMBOOKING
7 to 10 pages	Yes, 7 pages
All of the pages should belong to the same website	yes

Each page must have a compelling title as well as relevant information.	Yes, home page, about page, film page, April page, contact us page, request film page and booking page
The HTML page and CSS should both pass W3C inspection.	yes
External CSS	yes
All pages should have consistent navigation and be organized well.	yes
The website should be simple to use and easy to understand; the background color, front end color, table, form, photos, and so on should all be correctly controlled and arranged.	yes
Contact us and about us page	yes
Google map	yes
Only front end	yes
There is no need to build any server-side code to save the data)	yes
Textbox	yes
Label	yes
Common box	yes
Radio button	Yes
Command box	yes
List box	yes
Multimedia content like audio, video, flesh	yes

### Match the requirement

According to the requirement list, task 1 requirement match the task 2 design. Comparing to task1, we put 7 pages in task 2 and we coded with both HTML and external CSS included with JavaScript. We linked each page and all the button in

each page worked well. We put google map of our location and in booking page, we made textbox, label, common box radio box, command box and list box were included. We also put commercial video at about us page. So, comparing to task 1 and task 2, we put everything as requirement so we say we match the requirement.

### Difficulty part of building this website

Coding a website can be a difficult process that requires a variety of skills and tasks. While some aspects of website development may be more difficult than others, there are a few that are widely regarded as particularly difficult. Here are a couple of examples:

- ✦ Designing the user interface: It can be difficult to create an intuitive, visually appealing, and user-friendly interface. This requires a mix of skills such as graphic design, user experience design, and front-end development.
- ✦ Responsive design: As more people access the internet via mobile devices, it's critical to ensure that a website is optimized for various screen sizes. This may entail employing responsive design techniques, which can be difficult to implement.
- ✦ Security: Keeping a website safe from hackers and other malicious actors can be a difficult task. This could entail putting in place various security measures such as encryption, firewalls, and regular security audits.
- ✦ Performance optimization: Ensuring that a website loads quickly and efficiently can be a difficult task that necessitates a thorough knowledge of web performance metrics, server-side optimization techniques, and frontend optimization techniques.

Overall, creating a website can be a difficult and time-consuming task that necessitates a wide range of skills and expertise. It is, however, possible to create a website that is both functional and visually appealing with careful planning, attention to detail, and a commitment to quality.

### Easy part of building this website

The simple part of coding a website is usually the initial setup and layout of the website. This includes tasks like:

- ✦ HTML structure: Create the website's basic HTML structure, including the header, body, and footer.
- ✦ CSS styling: The addition of CSS styling to a website to make it more visually appealing, such as colors, fonts, and layout.
- ✦ Implementing fundamental functionality such as navigation menus, buttons, and forms.
- ✦ Adding content to the website includes adding text, images, and other media.
- ✦ Testing and debugging: Testing the website to ensure that it functions properly and debugging any problems that arise.

While these tasks may be regarded as "easy" in comparison to more complex aspects of website development such as server-side scripting or database integration, they still necessitate meticulous attention to detail and a solid understanding of web development fundamentals.

### Task 3

#### Task plan

Number	Test item	Actual result	Expected result	Pass/ fail
1. Home page	Book now button	Change to booking page	Reach to booking page	Pass
	Red Dead button	Change to film page	Reach to film page	Pass
		Change to film page	Reach to booking page	Fail
	GTA V button	Change to film page	Reach to film page	Pass
		Change to film page	Reach to booking page	Fail

	Cyberpunk 77 button	Change to film page	Reach to film page	Pass
		Change to film page	Reach to booking page	Fail
	Dead space button	Change to April page	Reach to April page	Pass
		Change to April page	Reach to Request page	Fail
	WARFRAME button	Change to April page	Reach to April page	Pass
		Change to April page	Reach to Request page	Fail
	FORTNITE button	Change to April page	Reach to April page	Pass
		Change to April page	Reach to Request page	Fail
	Read more button	Change to about page	Reach to about page	pass
	Subscribe button	Show a note	Reach to email website	Fail
	Responsive for both laptop and phone	Can use both devices	Can use both devices	Pass
	2. About page	Read more button	Change contact to us page	Reach to another page which includes more details about the company



	Subscribe button	Show a note	Reach to email website	Fails
	Responsive for both laptop and phone	Can use both devices	Can use both devices	Pass

3. Film page	Red Dead button	Change to booking page	Reach to Booking page	Pass
	GTA V button	Change to booking page	Reach to Booking page	Pass
	Cyberpunk 77 button	Change to booking page	Reach to Booking page	Pass
	Call of duty	Change to booking page	Reach to Booking page	Pass
	Resident evil	Change to booking page	Reach to Booking page	Pass
	Halo	Change to booking page	Reach to Booking page	Pass
	Subscribe button	Show a note	Reach to email website	Fails
	Responsive for both laptop and phone	Can use t dev	Can use t dev	Pass
4. April page	Dead space button	Change to request film page	Reach to request film page	Pass
	WARFRAME button	Change to request film page	Reach to request film page	Pass

	FORTNITE button	Change request page to film	Reach request page to film	Pass
	Apex Legends	Change request page to film	Reach request page to film	Pass
	Monster Hunter	Change request page to film	Reach request page to film	Pass
	GENSHIN IMPACT	Change request page to film	Reach request page to film	Pass
	Subscribe button	Show a note	Reach to email website	Fails
	Responsive for both laptop and phone	Can use both devices	Can use both devices	Pass
5. Contact Us page	Send button	Show a not	Receive email	Fail
	Subscribe button	Show a note	Reach to email website	Fails
	Responsive for both laptop and phone	Can use both devices	Can use both devices	Pass
6. Request Film page	Send button	Show a not	Receive email	Fail

	Subscribe button	Show a note	Reach to email website	Fails
	Responsive for both laptop and phone	Can use both devices	Can use both devices	Pass
7. Booking page	Send button	Show a note	Show receipt	Fail
	Subscribe button	Show a note	Reach to email website	Fails
	Responsive for both	Can use both devices	Can use both devices	Pass
	laptop and phone			

### Quality assurance process

Website quality assurance is the process of ensuring that a website satisfies particular requirements for functionality, usability, and performance. This involves making sure the website is simple to use, open to all users, and errorfree. In order to find and fix any problems, quality assurance for websites often uses a combination of manual testing and automated testing methods (Emery, 2018).

A popular strategy for ensuring the quality of websites is to create and adhere to a thorough testing plan that details the many kinds of testing that will be carried out, such as functionality, performance, and compatibility testing. The specific tools and methods that will be utilized to carry out each type of testing should also be specified in this strategy (Emery, 2018).

Moreover, a number of specialist tools and services, such as browser testing tools, accessibility testing tools, and security testing tools, can be used to enhance website quality assurance. These instruments can be used to find problems that may be hard or impossible to find with manual testing alone (Emery, 2018).

### Importance

A Quality Assurance (QA) process is essential for a movie booking system website for several reasons (Prestiann, 2020).

1. To begin with, a QA process ensures that the website is functioning properly and that it meets the needs and expectations of its users. The QA team can identify and address any issues that may arise, such as broken links, incorrect data, or difficult-to-use features, by conducting various types of testing, such as functionality testing and usability testing (Prestiann, 2020).
2. Second, a QA process contributes to a better overall user experience on the website. The QA team can identify areas for improvement and suggest changes to the website's design or functionality that will make it more userfriendly and efficient by testing the website from the perspective of its users (Prestiann, 2020).
3. Third, a quality assurance process can help to ensure that the website is secure and protected from cyber threats. The QA team can identify and address any weaknesses in the website's security measures, such as potential entry points for hackers or data breaches, by conducting security testing and vulnerability assessments (Prestiann, 2020).
4. Finally, having a well-defined QA process can help to save time and money over time. The QA team can help to prevent costly mistakes and ensure that the website is launched on time and within budget by catching and addressing issues early on (Prestiann, 2020).

### Purpose of validation of codes

The process of determining whether a website's code complies with industry standards and guidelines is known as code validation. The goal of validating a movie booking website's code is to ensure that the site is accessible, functional, and user-friendly for all users, including those with disabilities or who use assistive technologies (Berners-Lee, n.d.).

Here are some of the reasons why code validation is critical for a movie ticketing website:

- ✦ **Accessibility:** Code validation ensures that the website is accessible to people with disabilities, such as those who are blind or have limited mobility.

The website can be designed to accommodate a broader range of users by adhering to web accessibility standards (Berners-Lee, n.d.).

- † Consistency: Validation ensures that the website's code is consistent across different browsers and devices. This means that regardless of the device used to access the website, users will have a consistent experience (Berners-Lee, n.d.).
- † Validation can assist in identifying and correcting coding errors that may impact the usability of a website. This includes errors that may prevent users from completing tasks or effectively navigating the website (BernersLee, n.d.).
- † Search engine optimization (SEO): Valid code can help improve the website's search engine optimization. Valid code is used by search engines such as Google to determine a website's ranking in search results (BernersLee, n.d.).

Search engine optimization (SEO): Valid code can help improve the search engine optimization of a website. Search engines like Google use valid code to determine a website's ranking in search results (Berners-Lee, n.d.).

#### Result of your review

Questions	Answers
Author who review the website	sam
Is it easy to use?	Yes, this is sample website so it's is easy to use for every customer.
Has the website been well design?	Yes, website design are simple with a few animation.
Is this website up to date?	Yes, we check the errors and read feedback error from customer and we fix it as soon as possible and make update once a month.
Is website being responsive?	Yes, website is responsive for both laptop and mobile phones or tablets devices.

What will you want us to put for improvement?	Define film summary for each movie
---	------------------------------------

### Purpose of implementing test plan

A test plan is a document that describes the goals, scope, approach, and resources needed to test a website or software application. The goal of putting in place a test plan for a movie booking website is to ensure that it meets its functional and performance requirements while also providing a high-quality user experience (Hamilton, 2023).

Here are some of the reasons why a movie booking website should have a test plan:

- ✦ Identifying issues: A test plan can assist in identifying any issues or defects in the functionality, usability, or performance of the website. The team can identify and address any issues before the website is launched by thoroughly testing it (Hamilton, 2023).
- ✦ Quality assurance: A test plan can assist in ensuring that the website meets its quality standards and provides a high-quality user experience. The team can ensure that the website meets its objectives and provides a satisfactory experience for its users by testing it against its functional and performance requirements (Hamilton, 2023).
- ✦ Risk reduction: A test plan can help to reduce the risks associated with launching a new website. The team can reduce the likelihood of unexpected issues or downtime after the website is launched by identifying and addressing any issues prior to launch (Hamilton, 2023).
- ✦ Improving the overall user experience of the website: A test plan can help to improve the overall user experience of the website by identifying and addressing any issues that may impact usability or performance. By ensuring that the website meets its requirements, the team can provide a high-quality user experience for its users (Hamilton, 2023).

Overall, having a test plan in place is critical for ensuring that a movie booking website is functional, performs well, and provides a high-quality user experience.

By thoroughly testing the website, the team can identify and address any issues before launch, reducing risks, ensuring quality, and increasing user satisfaction (Hamilton, 2023).

### Evaluate test plan

Test	Yes/no inclusion in website
Documentation	Yes, more documentation at home page and more details about company will be better.
Link	Yes," make link with YouTube for trailer
Forms	Yes, make another website about account form.
Cookies	Having cookies for security.
Nav Bar	Put animation
Content	more details about company

### Improvement

#### Fail test solving

Fail test	Solutions
Film sections button in home page linked with film section instead of booking page	If film section is linked with film page, we cannot make it to linked with booking so depend on customer suggestion, we will change and make it official to linked with one page.
April sections button in home page linked with April section instead of booking page	Solution will be same as film section problem.

Email subscribe won't lead to email	We will upgrade the website for linking with email section or make new email section and we will announce the customer within a month.
Receipt should be showing within website page	We will make another web page for receipt with full details of customer payment and film booking show times details.
Email receiving for and respond for every feedback	We will make as fast as possible to respond to your email and later on, we will create email bot to respond all of customer feedback.

SFILMBOOKING (<https://sfilmbooking.netlify.app/>.) is a successful movie booking website in recent years. SFILMBOOKING has grown in popularity as a platform for moviegoers to buy tickets and plan their outings.

- ✦ SFILMBOOKING has a user-friendly interface that enables users to easily navigate the site and find the movies they want to watch. The website's design is simple and appealing, making it suitable for users of all ages.
- ✦ SFILMBOOKING provides advanced booking options such as selecting specific seats, selecting the date and time of the movie, and even preordering snacks and drinks. These features make the booking process more user-friendly and enjoyable.
- ✦ SFILMBOOKING has a mobile app that allows users to browse and book movies while they are on the go. The app is well-designed and includes all of the website's features, making it a convenient option for users who prefer to book tickets via mobile devices.
- ✦ Payment Options: SFILMBOOKING accepts only a few payment methods, such as credit and debit cards. Offering alternative payment methods such as PayPal, Venmo, or Apple Pay may increase user convenience.
- ✦ International Users Have Limited Access: Because SFILMBOOKING is primarily available in the United States, international users have limited



access to it. Extending their reach to other countries would increase their customer base and allow them to enter new markets.

- ✦ While SFILMBOOKING has a large selection of movies, it can be limited in some smaller or independent theaters. It would be fantastic if SFILMBOOKING's partnerships could be expanded to include more theaters and independent film houses.

Overall, SFILMBOOKING has succeeded in developing a user-friendly platform with advanced booking options and a mobile app. SFILMBOOKING can, however, improve in some areas, such as providing more payment options, expanding their international reach, and expanding their selection of movies in smaller theaters. SFILMBOOKING can continue to grow its user base and remain a top choice for moviegoers by making these enhancements.

## References

© 2016 W3C®, n.d. W3C. [Online]  
Available at: <https://www.w3.org/standards/webdesign/htmlcss>  
[Accessed 2023].

©1998–2023 by individual mozilla.org contributors., n.d. *mnd web docs*. [Online]  
Available at: <https://developer.mozilla.org/en-US/docs/Web/JavaScript>  
[Accessed 2023].

Berners-Lee, T., n.d. W3C. [Online]  
Available at: <https://www.w3.org/standards/webdesign/accessibility>  
[Accessed 2023].

Emery, C., 2018. *Techopedia*. [Online]  
Available at: <https://www.techopedia.com/3-ways-embedded-analytics-can-help-build-a-data-driven-business/2/33317> [Accessed 2023].

Hamilton, T., 2023. *Guru99*. [Online]  
Available at: <https://www.guru99.com/what-everybody-ought-to-know-abouttest-planing.html>  
[Accessed 2023].

MIT, docs CC BY 3.0., n.d. *Bootstrap*. [Online]  
Available at: <https://getbootstrap.com/>  
[Accessed 2023].

Prestiann, T., 2020. *Unicef USA*. [Online]  
Available at: <https://www.unleashed-technologies.com/blog/website-qualityassurance> [Accessed 2023].

Tarian, 2023. *Tarian*. [Online]  
Available at: <https://www.itarian.com/ticketing-system.php#:~:text=An%20online%20movie%20ticketing%20system,preview%20and%20so%20much%20more.>

HND43

WDD

SAW WIN NWE