PROJECT LANSLIDE

Assignment 1 Project by David Adams (216110104) for SIT120

Website Proposal

Proposed website Lan-slide is to refurbish and create a responsive and dynamic website for gamers and gamers alike, with this refurbishment I will design and create an appealing and more user-friendly website with better interactive features for multiple devices, user interface design is compliant with the theme and enhances the experience, and the design of the website gives artistic and relevant features to the users and to attract more customers. The website is based for a specific and niche consumer group focused on games, with games LANs are popular.

Summary

This website's purpose is to give users the ability to come together, plan, organise, socialize and play games. Users will be able to register with the site and apply for tournaments, events and book seating arrangements as well as participate in giveaways and rewards. With this the website will cater to those who are interested in gaming and socializing and will give them a unique opportunity to be a part of a broad and large community.

Justification

The approach of designing a location and site for individuals to have Lan's and tournaments is a difficult situation in covid 19 due to gathering restrictions however this allows for online and organizational functions to mitigate that issue, furthermore the design is designated to a niche group that are focused on gaming and love socializing in large Lan's

Design

The design of the website suits the UI and branding of the previous physical location to add continuity and nostalgia to the previous events as well as adding features that will enhance user satisfaction and ease of access to the website. This is a pragmatic and simple design for users to have accessibility and browse the site with ease.

With the scheme and design of the website the users and organisations goals are being fulfilled to provide an experience for all invested stakeholders. It will be a new experience for gamers to host and create tournaments and events which will use the website as a platform to have embedded servers and timers as well as forums for users to post on.

Target Audience

In 2016 2.5 billion people played video games, 70% are aged 18 or higher and as of 2019 the gaming industry has a revenue of $152 billion. The target audience are gamers, and this appeals to a broad group of gamers to pc's consoles, and board games, this website caters to all who love to play games. Users who like to host Lan events, sponsors, Customers who attend events will be able to participate and organise events for parties or join other Lan's around the state. People interested in having social gatherings can hire and create tournaments themselves. In essence this caters to a wide audience which they will have the opportunity to have fun.
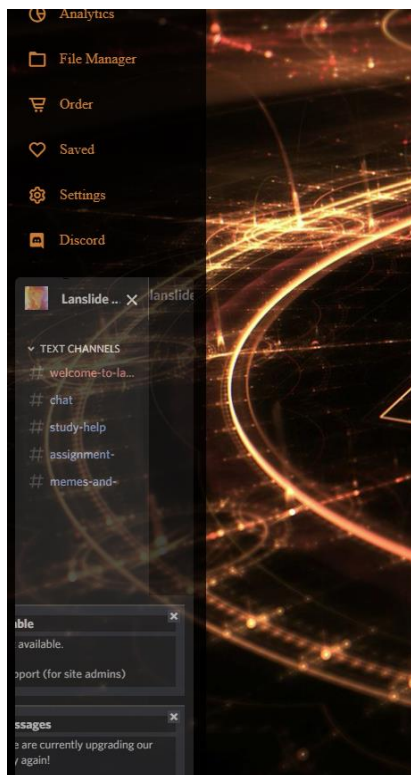
As you can see young and old from a diverse background there are gamers, this is the audience we appeal to.

Complex components

Embedded Discord widget

This widget is embedded by making a discord bot which acts as an API to create a user interface within the website. Using JavaScript, we get the server and channel ID to get access to the discord server. This is also an activated toggle where its opaque and comes in and out of the sidebar, this fits with the theme of the website as well as giving access and functionality to a server while also allowing them to permanently join it.
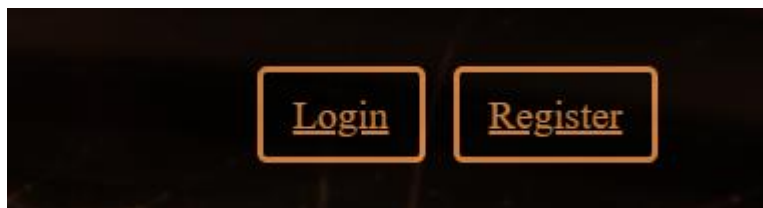
Search Function

Search function will allow users to find certain information and details within the site, this will be done with the Vue component which will use json file to hold the data and the component use the search function

Implementation to be done with Vue and JSON file in order to search.
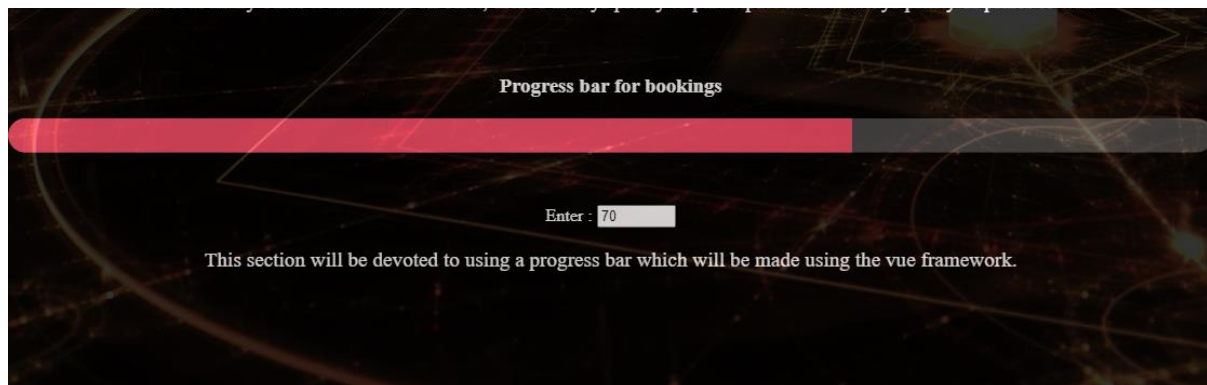
Login and registration

The login and registration option will allow customers to create an account with landslide using a database to store the information with this we will have queries and SQL database to allow this to work. This can also be done using a form and json setup which will be implemented

Timer

This timer will act as a countdown clock to the next event and when it will start. This will later be applied also using a Vue construct and then embedded within the html page to show a countdown timer, the CSS will also be a part of the CSS template and will be modified there.

Progress bar

The progress bar has been implemented using a JavaScript function which gets the dimensions and sets the target value in a percentage to have a progress bar, this will later be used with a Vue component.

Vue Components in depth

Lists and grids
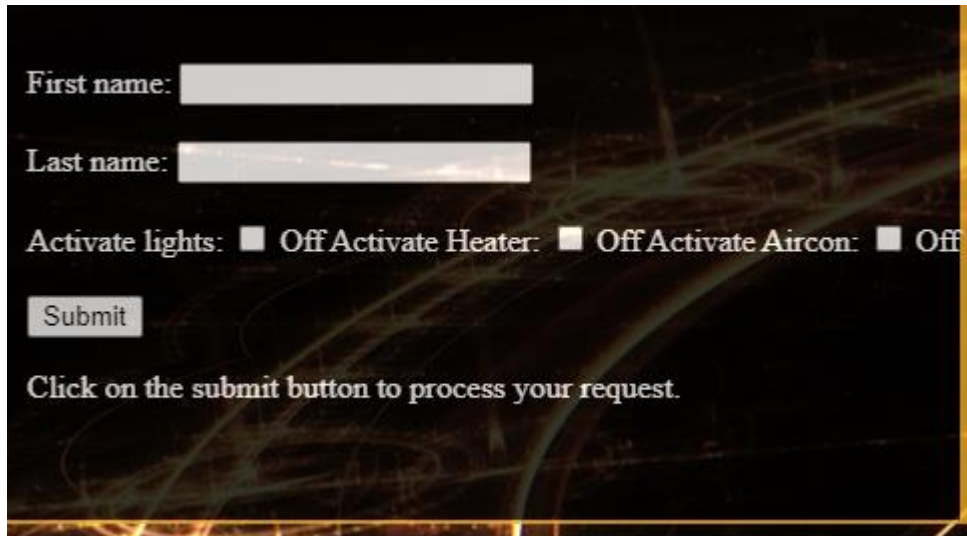

Creating lists and grids that is interchangeable is done using the Vue framework for an array and an array dictionary which allows us to organise and form the template of data.

This is done by either new Posts or creating a dictionary in an array. Furthermore, we will be using this for grid view on games and past events to allow transition between view types such as list and grid.

V-models and templates

This will be used for registration rules and login to display new html information to the DOM when a function is activated the DOM can include new elements with new information. Such as extra Divisions and forms.

Event triggers, Props and emits

Props are a way we can pass readable data to components which is a data structure like a tree where we can pass down information. This will be used to pass information between forms and templates so that we can create a unique user experience, specifically in rules, games and seat bookings.

Vue $emit lets us send custom events and designs properties from a child to parent which comes with a payload and event handlers which will be used to change menu and bookings information.

Event handling lets us listen and react to events and determine what we would like to do with it we will be using this within our website to handle and change information based on user input within registration, rules and bookings.

Creativity

The outlook of this website is to fit the branding concept of the organisation while offering a niche and appealing outlook. The features and functions offer the customer/user to understand and be attracted to the purpose of the website as well as offer a plain and simple user interface. The interface will allow the user to join and register as well as book and choose locations and events they would like to join.

With a search option, booking and registration, embedded content such as videos and widgets this offers a lot of creative and innovative designs to the user which allows them to interact with the content and get a professional looking website which shows integrity and commitment to gaming and events.

Asset list

Assets	Description	Details
Index.html	Contains the home page with metadata for responsiveness and Vue application which it will be rendered in as well main code for the site.	This will be a hybrid web page which will mainly never change apart from some text and modified timers.
Main.css	Key CSS document for the style of the webpage and content.	CSS file is used in conjunction with the index html file.
Main.js	Will have the functions in JavaScript which will be used extensively for the features on the main page.	Will be linked in the index page as well as the others that will require it.
Registration.html	Contains the registration component and details on how to join.	This will be a simple webpage using Vue components for users to sign up.
App.vue	Contains all elements of the website using Vue components for its functionality.	Single file accessed by multiple html pages.
Contact us.html	Contains the method of contacting the organisers.	Single page using form style document to send a message to the organisers.
Seat booking	Seat booking will have a layout of the venue and where you can choose to sit	Single page will allow user input to choose a spot and will then be contacted through discord.
competitions	Will show all the competitions and available events and raffles	Display of games in a list table format.
Rules	Details of rules and regulations with the event and how the events work	Simple container with the rules in a doc type format.
Games	List of games available at the events	Simple list table of the games
Past Events	Will show past events and detail the photos and videos of what happened there	List table of past events and photos
About us	Details of landslide and how it works and what they do	Paragraph container

The asset list here details the webpages and functionality and purpose of what they do and how they will be made. Lan slide webpage is simple and offers a variety of information to fully understand and be involved in the events of Lan slide. To apply the functions that I need to showcase the information and website we will be using Vue in the eventual future to create a clean and comprehensive landscape that will be used to book and interact with the products and service.

Component list

Condition and statements	In order to apply a structure and functionality, conditions	Will be used in the main html file with components such as

	and statements will toggle the search and nav bar as well as discord and timers.	the countdown timer and sidebar.
Data and methods	Vue and JavaScript components will keep the functions such as event handling initialization and binding objects.	Main html page will have functions to add to the UI and functionality such as search bar toggle, date time and lists.
Handling user input and events	Using the Vue model with listeners and we can create a dynamic architecture and feed data both ways.	Used for registration, search and active components on page.
Navigation sidebar	Fixed and dynamic to user input and holds links and embedded content.	Side component to the main contain/content of the page.
Search bar	Child of the sidebar and will use Vue framework to get content.	Component of app.vue.
Discord	Child of the sidebar.	HTML embed and can be accessed to see the discord server of the Lan group.
Images/gifs	Html reference.	From files and will be changed using CSS.
Countdown timer	Vue component.	Countdown to next Lan event.
Registration and login	Vue component as well as json	Allows registration for users
Google maps	Vue embed so that navigation to the location is possible	Shows location and directions to the Lan center.
Progress bar	JavaScript function to calculate percentage of bar and color it	Will be used to indicate booking availability.

Vue Component list

Data binding	Data binding is assigning values and variables to data within the DOM using Vue framework	This will be used to assign object variables using Vue to the sponsorship section.
v-models	V-models Is used to bind data between inputs and forms as well as two components	By binding data using v-model we can create forms that will be used for registration. Login and seat selection.
Vue classes	Vue classes allow us to call different Vue objects	Used in conjunction with other Vue apps to speed process such as search and templates as well as login and registration.
Vue templates	Allow us to input HTML code within the pages to create and design new instances of	Vue templates will be used to display menu and seat registration as well as rules.

	website and allow dynamic encapsulation and reusability.	
List rendering	List rendering will be used with V-for and dictionaries to display data to the DOM	Used for past events and images.
Watchers	Watchers are a useful technique of reacting to variables within the website and do certain things	Will be used in filters and input data.

Vue custom list

App.js	This will be the main Vue component for the index page and will use routing to connect other components
Login.js	Will render and update and store login information
Registration.js	Create registration form using Vue template/ form
Rules.js	Rule template will me dynamically rendered based on conditional information
Pastevents.js	List and table rendering
Bookings.js	Booking information and template.

User Stories

User objective	Completion Criteria	Constraints	Priority
As an avid gamer, I would like the website to display the games being played and have the option to view the Lan's schedule.	1.User should be able to see the types of games and schedule of the event. 2.event should be easy to see and access through the website. 3. Once viewed, the website should give options to the user to see the contents and details. 4.as the user it should give the option to enlist in the games and tournaments 5. there should be a search option.	Lan schedule and timing. Games available. Styling techniques. Content tbd varying between each Lan. **Examples**	**Priority: 1** High Priority
		Create a listed view, Create a popup view when searched Allow content of the game and previous event to be displayed.	Completion of this task is among the first to be done due to importance and design necessity.
User objective	**Completion Criteria**	**Constraints**	**Priority**

User objective	Completion Criteria	Constraints	Priority
As the owner of the service, I would like the website to have a dynamic and responsive element such as slideshow, event content and design structure.	1.User should see video of past events, as well as slideshow 2.website should be interactive for the user, such as video and imagery used dynamically 3. simple and easy to see content 4.user interface can adapt to the device 5. enable plugins and embedded objects.	CSS and styling may interfere with website. Insufficient content of events Limited graphics **Examples**	**Priority: 1** High Priority
		Creating a slideshow Allowing video playback or gif. Changing the content displayed	Completion should be in the end process as artistic design is after layout.

User objective	Completion Criteria	Constraints	Priority
As an event coordinator, I would like the events to be easily accessed and give information when clicked on.	1. Create content visible to users. 2. allow information available when clicked. 3. event coordinator should have access to change the content. 4. should give users to opt into the event. 5. should allow the ability to view past events	Lan schedule and timing. Games available. Styling techniques. Content tbd varying between each Lan. Database to hold the information **Examples**	**Priority: 1** High Priority
		Create dynamic view and plugin to view in others pages as well as options to link other websites. Give content subject to change and listing to other events.	Completion Supplement to content being added, however the template and design should be down first.
User objective	**Completion Criteria**	**Constraints**	**Priority**

User objective	Completion Criteria	Constraints	Priority
As the owner I would want the website to be able to play content from previous events on the front page.	1. allow content to play on website opening. 2. should show sponsorships and advertise the content. 3. must be creatively engaging. 4. allow prizes and content to be displayed. 5. subject to change with content and event.	Lan schedule and Event contents Plugin and responsive template will be optimised for devices. **Examples**	**Priority: 1** High Priority
		Allow dynamic view to play previous content through Gif or slideshow.	Completion should be expected within the second iteration.

User objective	Completion Criteria	Constraints	Priority
As the owner I would like a registration and customer login section so that we can have members join.	1. should allow users to sign up and login. 2. allow users to register for events. 3. should allow a secure connection. 4. should be https enabled. 5. should have security to protect data and stop hackers.	Database to save user input. Have security features. Quick and seamless login and usability. **Examples**	**Priority: 1** High Priority
		Allow access through other methods such as social media sites.	Completion should be expected within the third iteration.

User objective	Completion Criteria	Constraints	Priority
As the owner I want sponsors to be acknowledged and allow for further sponsors to apply.	1. should show sponsors. 2. should allow sponsorship. 3. should give details on their sponsorship contributions	Sponsor input and cooperation. Design constraints based on sponsors **Examples**	**Priority: 2** Medium Priority
		Display sponsors in images, display the contributions for the events.	Completion should be expected within the third iteration.

User objective	Completion Criteria	Constraints	Priority
As a sponsor I would like to see content related to us as well as our contribution	1. should show sponsorship images and content 2. should have links to sponsors. 3. allow prizes to be shown as well as competition stats.	Sponsorship deals, and desired style, competitions Content. **Examples**	**Priority: 2** Medium Priority

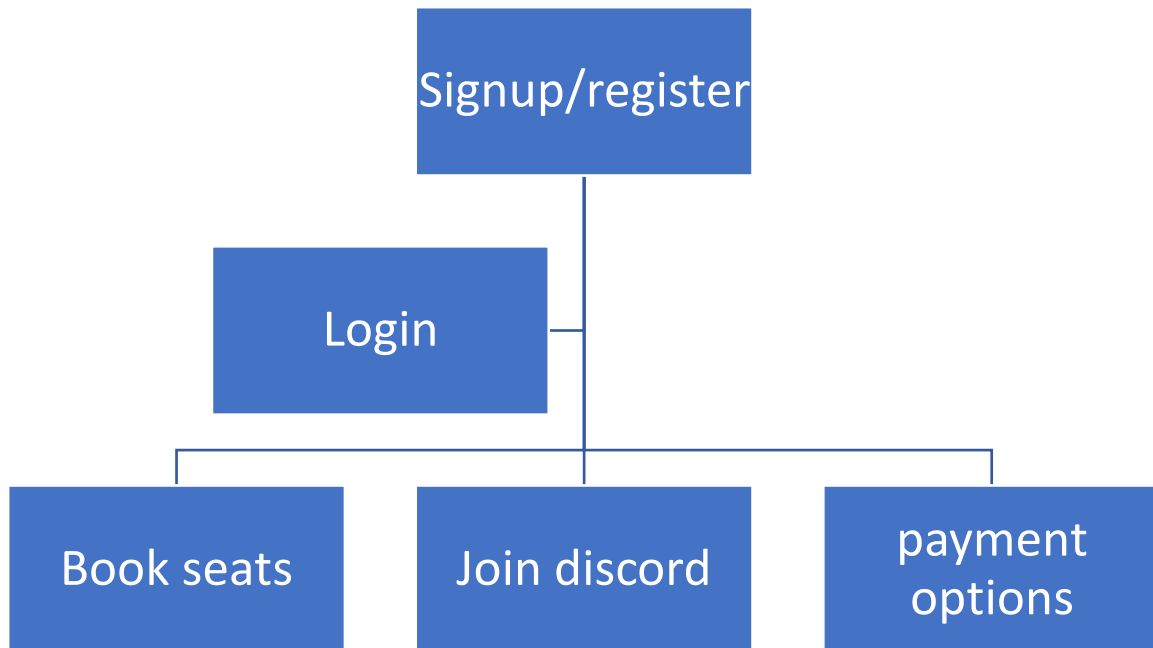|		Links to sponsors. Content displayed through website such as images Competition prizes. Embedded audio and video	Completion Third iteration
User objective	**Completion Criteria**	**Constraints**	**Priority**
As a user I would like the navigation to be easier to see and UI to be accessible from multiple places.	1. should allow link column and embedded content to access sites. 2. should allow dynamic and responsive elements based on device and software. 3. should give users option to change view. 4. should not have cluttered link bar. 5. colours should be easy to see and eye candy.	Link amount, link categories and required links, must be amenable to other webpages. **Examples**	**Priority: 2** mid Priority
		Change colour gradient. Change link style. Separate links based on categories. Size changes.	Completion should be expected within the third iteration.

User objective	**Completion Criteria**	**Constraints**	**Priority**

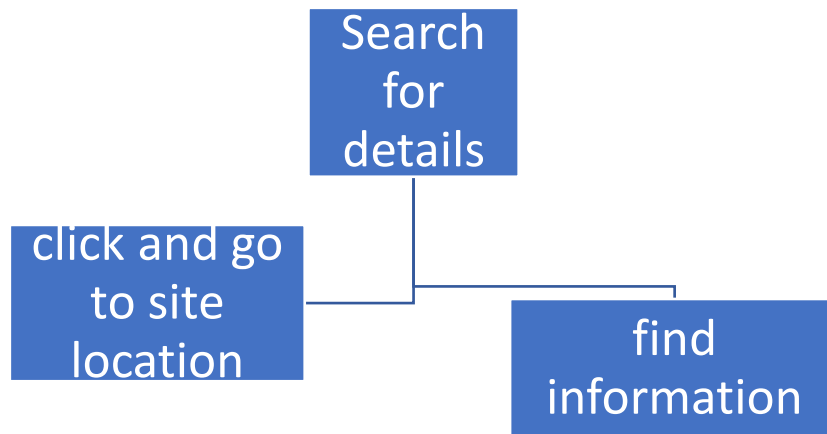| As a user I would want links to software and hardware which would be used.	1. should allow users download and get software. 2. give users hardware options. Within the website listing where to get it. 3. should have access to third party sites. 4. should give access to organisers and events.	Embedded access options. Support downloads. Give hardware options. **Examples**	**Priority: 2** Medium Priority
		Gives software available to download. Embed similar websites related to landslide so that users can get involved.	Completion in third iteration.
User objective	**Completion Criteria**	**Constraints**	**Priority**
As the owner I would want customer and event players to leave comments and reviews.	1. should allow users to leave comments. 2. allows advertisements 3. allow statistics to show consumers. 4. give options to see comments 5. allow forums.	Consumer input could be skewed Reliability of statistics based on users. **Examples**	**Priority: 2** Medium Priority
		Create forums Give tickets features For problem solving Have a Q&A site	Completion should be expected within the third iteration.

User interface

Creating an account

```
                    Signup/register

        Login

    Book seats     Join discord     payment
                                     options
```

Search function

```
                   Search
                    for
                   details

        click and go
          to site              find
         location          information
```

The functional flow chart shows what on average an individual will do on the website, this involves logging in or registering then booking for seats and booking for events, they would also browse the website to look at games being played, discord to chat, payment methods and previous events.

User Interface and User experience

The website is designed with the brand and colour scheme of Lan-slide which features orange and black contents
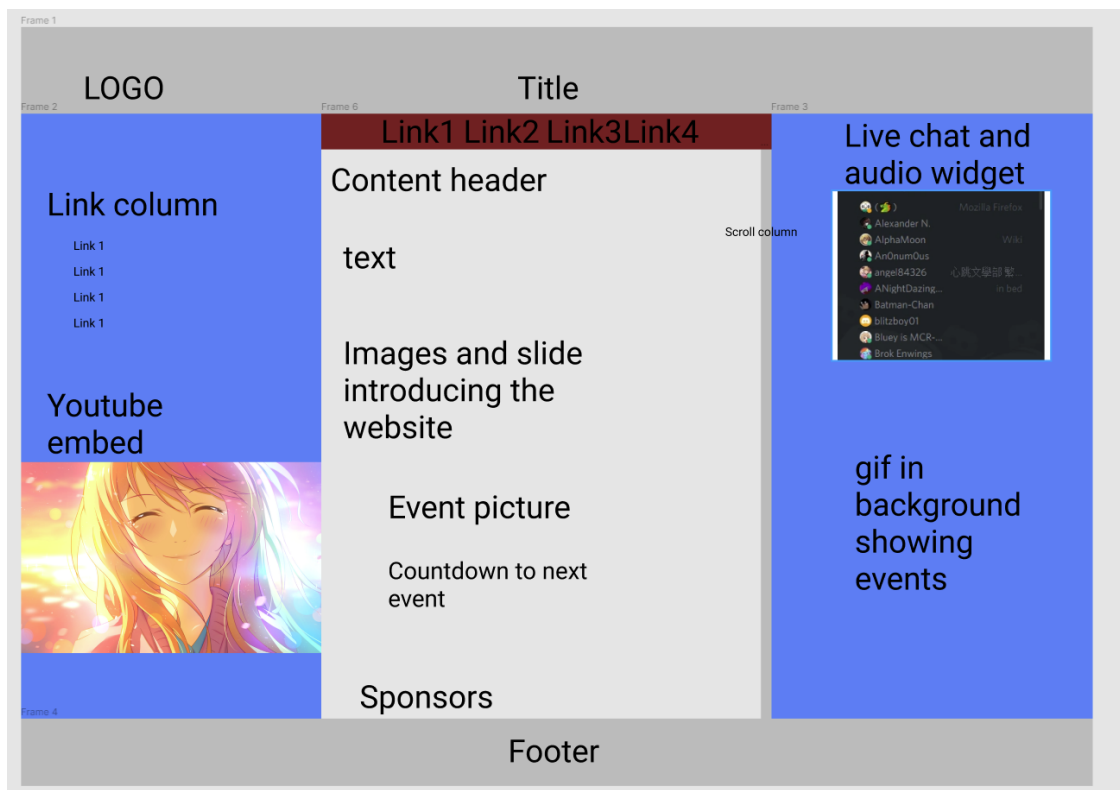
	Name	HxD Value
	Orange	#ff9f63
	Black	#000000
	Grey	#383434

Figma Design

The Figma design is a rough draft of how the webpage is meant to look for the customer and user. In this design I have opted for a simple and straightforward layout where I have a header with navigation links, two side bars and a main contents section as well as a footer.
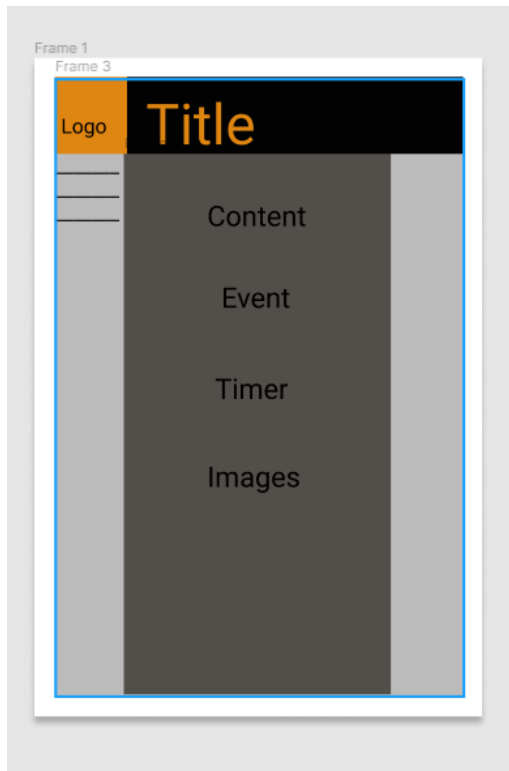
Within the Nav bar there will be a title as well as logos and four hyperlinks, to allow the user to get to the important parts of the website.

- The search function will allow users to search the website for specific content and events.
- Embedded videos will be used for advertisement techniques for customers.
- Discord widget will allow users to talk and discuss live while they are viewing the website.
- Progress bar allows the user to see the available bookings.

Website layout is a rough draft of how the website will look like including links embedded widgets and videos as well as pictures and content.

Mobile layout design in the rough draft shows a log with a burger button that will protract when clicked.

Mobile design prototype for the website to be responsive to other devices this design is a simple yet complex since we will be creating a responsive layout which will adjust to the user screen and application.
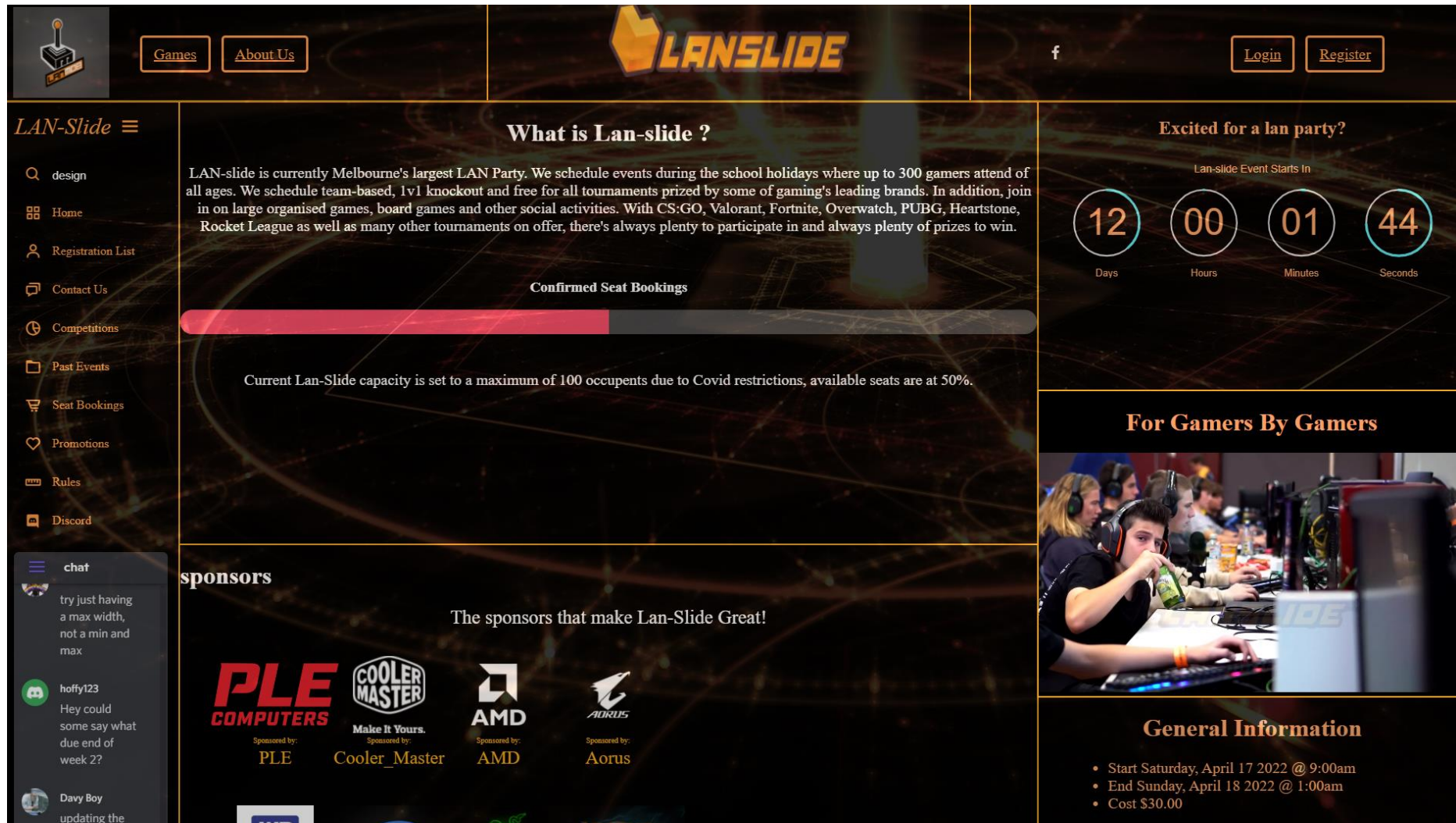
User Experience

User will have the opportunity to navigate the website seamlessly getting information and details of previous and upcoming events as well as games and rules. User First starts off by checking the home page and will have the opportunity to discuss and talk on discord as well as make their own seat bookings and browse files of past events.
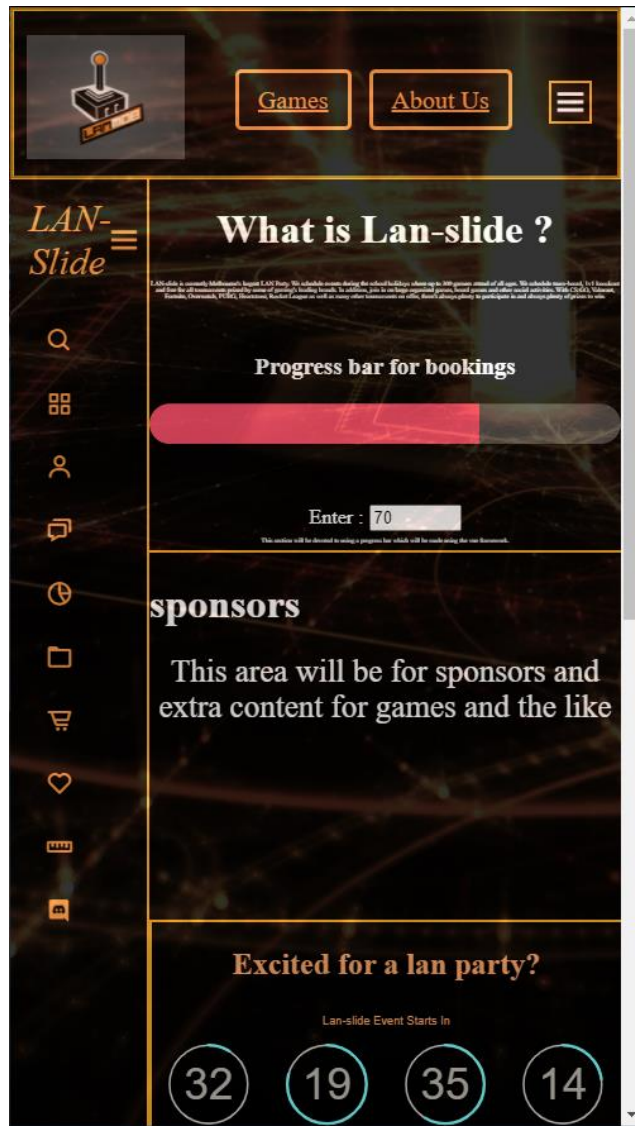
Website on a Full monitor

Website prototype illustrates all the functions discussed within the proposal and how its implemented and designed.
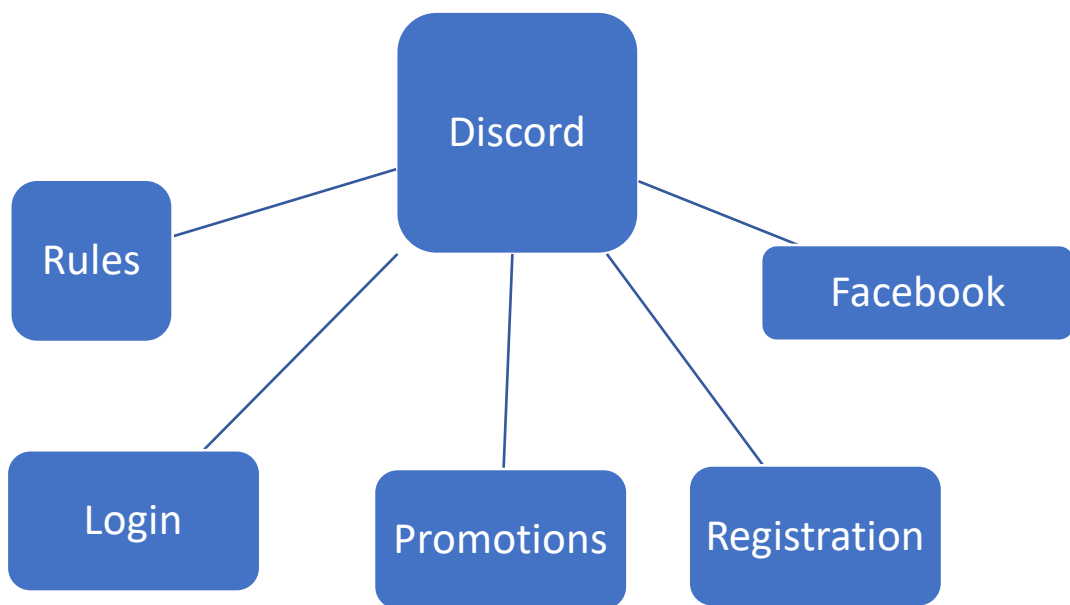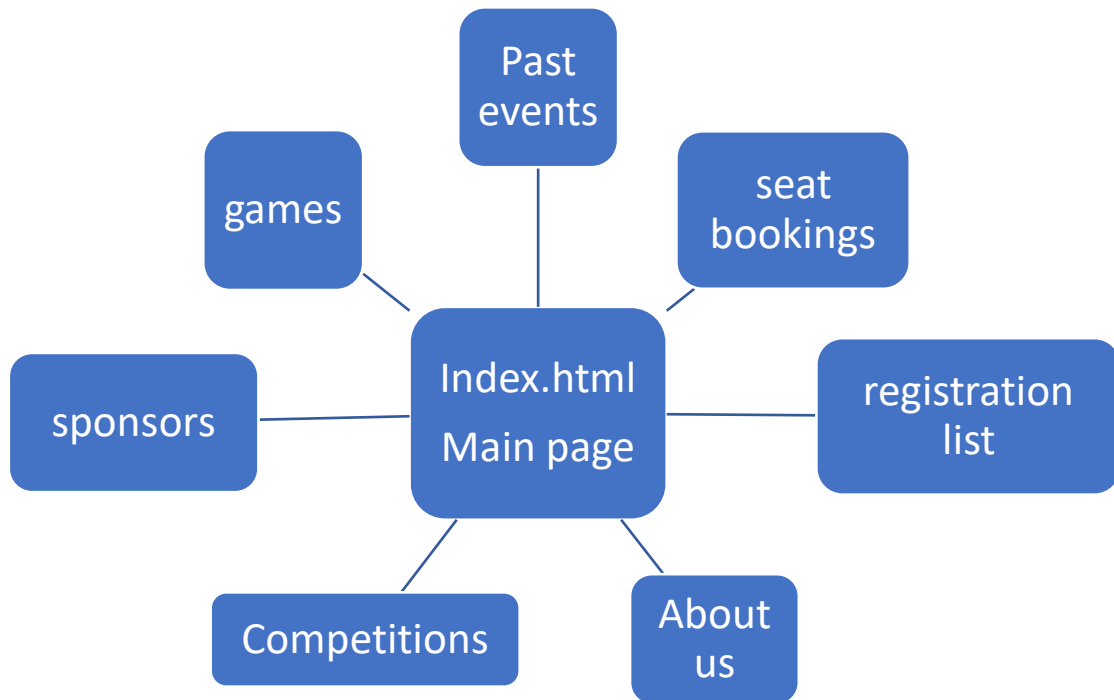
Mobile View

Mobile view shows how the design has been made responsive for the user to read and understand. The drop-down menu gives an opaque layout so that the user can choose the links if they want to move to a different site.

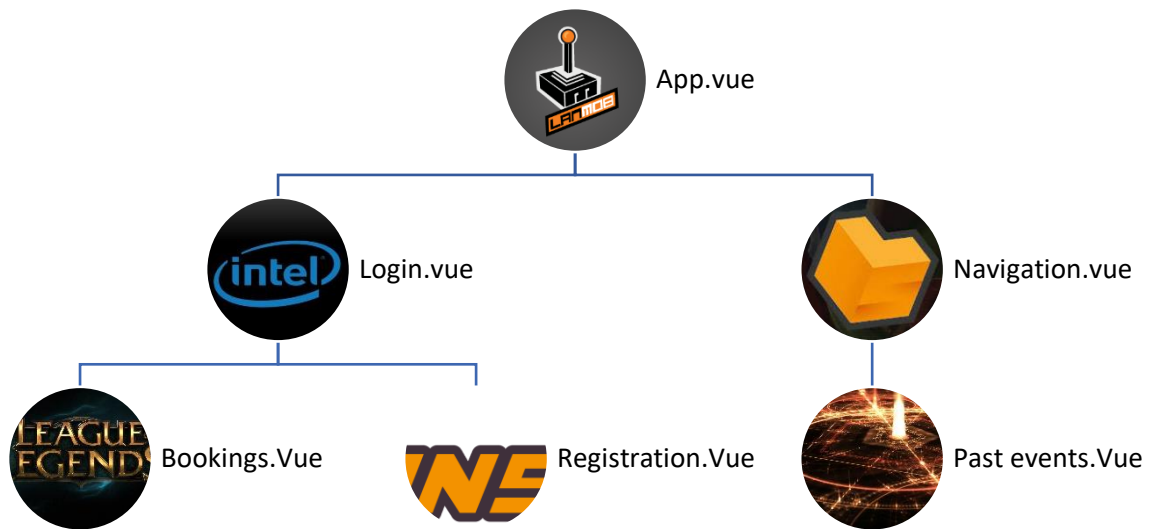Modular queries so that depending on the user the user can access all the links available and navigate the sit while also being able to see the content.

Website Map

This diagram displays the website diagram of all the pages which will be used within the project.

Past events

games

seat bookings

sponsors

Index.html Main page

registration list

Competitions

About us

Discord

Rules

Facebook

Login

Promotions

Registration

Vue maps

App.vue

Login.vue

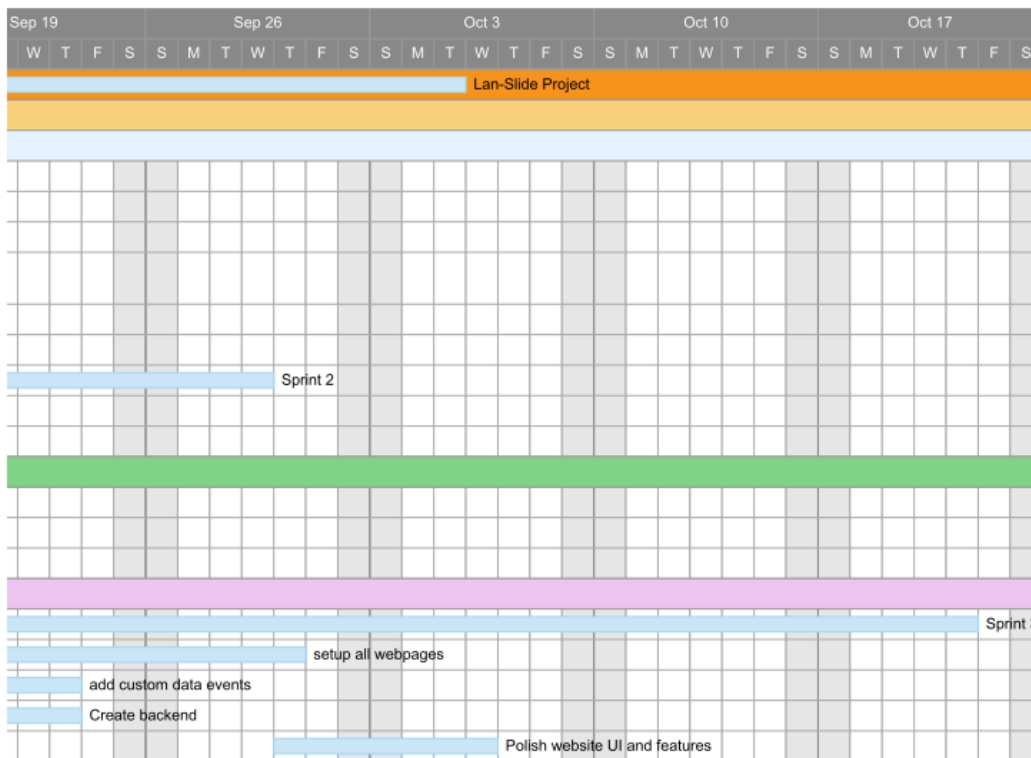Navigation.vue

Bookings.Vue

Registration.Vue

Past events.Vue

Timeline Gantt Chart

Below gives the rundown of all the tasks needed to complete the project with the expected sprints and finish date. With sprints being a month a part each sprint will focus on aspects of the project based on purpose and priority in order to make the project functionable.

	Hot	Task Name	Duration	Start	Finish	Predecessors	Status	Sprint	Notes
1		**Lan-Slide Project**	12w	07/14/21	10/05/21				
2		**Sprints**							
3									
4		Sprint 1	4w	07/14/21	08/10/21		Complete		
5		Gather resources and information on website	7d	07/14/21	07/22/21		Complete		
6		Draft design and product proposal	7d	07/22/21	07/30/21		Complete		
7		research and create template and framework for website	7d	08/30/21	09/07/21		Complete		
8		implement template for index page	7d	09/02/21	09/10/21		Complete		
9									
10		Sprint 2	4w	09/02/21	09/29/21				
11		Implement Vue framework and data types	2d	09/02/21	09/03/21		Complete		
12		Setup login and registration	2d	09/03/21	09/06/21		In Progress		
13		**Setup search bar**	2d	09/06/21	09/07/21		**In Progress**		
14		setup list and grid search	2d	09/07/21	09/08/21		In Progress		
15		setup seat bookings and embedded data	2d	09/09/21	09/10/21		In Progress		
16		design css	1w	09/10/21	09/16/21		Complete		
17									
18		Sprint 3	5w	09/17/21	10/21/21		Not Started		
19		setup all webpages	2w	09/17/21	09/30/21		Not Started		
20		add custom data events	1w	09/17/21	09/23/21		Not Started		
21		Create backend	1w	09/17/21	09/23/21		Not Started		
22		Polish website UI and features	1w	09/30/21	10/06/21		Not Started		

Sprint 1

Gather resources and information on website

Draft design and product proposal

research and create template and framework for website

implement template for index page

Implement Vue framework and data types

Setup login and registration

Setup search bar

setup list and grid search

setup seat bookings and embedded data

design css

Website function

- User authentication is used to access certain features of signing up and joining events.
- Seat bookings: allows the user to choose location of where they sit.
- Past events: allows users to get experience on how Lan-Slide operates.
- Chat function: join the community in discussions and socialising through the embedded discord app.
- View event details: User can look at events to see which one they would like to join.
- View games available: User can see all the games that they can play and participate in.
- View competitions: User can sign up and join competitions
- Contact information: user can contact event coordinators.

The main page acts as an introductory advertisement to detail how Lan-Slide works

Once in they can browse the site looking for additional information and learn how the events work as well as socialise with players and coordinators

Summary

The designed proposal is a prototype for the next iteration of the project which will feature an enhanced user interface and design as well as offering a lightweight design provided by the Vue framework. This design proposal is subject to change depending on UI interests and desires with how the customer would want the project to be modelled.

The website offers Users to navigate and browse the various features of events such as games, previous events, competitions, bookings and also to interact with the community. This allows User experience to be a fun and engaging time as well as the ease of use and accessibility being an enjoyable experience.