

## **Part 1 - Project Details**

### **What is the concept/what are you building? Our concept?**

We will build a web application called *Winter WonderMap*. The goal of our web application is to provide users with an interactive map, featuring festive events with mocked data. Users will input their information (name and email) to access the platform and use search criteria, such as the type of activity, to filter and explore events. Upon clicking on a specific event on the map, detailed information is presented, offering users the option to book the event. After a successful booking, users receive an email confirmation with the additional option to sync it to their calendar. The frontend will be developed using React for an engaging and interactive user experience. The backend will be created with Node.js and Express.js to establish API endpoints, managing event data and facilitating booking operations. MySQL will serve as the chosen database, storing relevant data, including event and user details.

### **Who will this help? Who's your target audience?**

This holiday map caters to everyone seeking festive fun! Families can discover kid-friendly activities, couples find romantic spots, and adventurers embark on thrilling holiday escapades. Navigate through the whimsical wonders of our Winter Wonderland, uncovering hidden gems tailored to each audience. Whether you're chasing the excitement of holiday adventures, creating heartwarming family traditions, or igniting sparks with your special someone, this map is your key to a joyous and diverse holiday experience. Get ready to explore, discover, and make this holiday season uniquely yours!

### **How will you be working? What tools will help with that?**

We will be working collaboratively with areas of focus per team member and weekly meetings to set tasks. The tools we will be using to aid in the progression of our work will be Slack, Zoom, Google Docs, and Trello. As for work tools, we will be using Figma for wireframing, JavaScript, React, and possibly Three.js or Leaflet on Visual Studio Code for the frontend, Node.js and Express for the backend, and MySQL for database creation and management.

**How are you going to organise the workload? Who does what and When?**

Teams are divided based on strengths and preferences: BackEnd (Kemi, Jess), FrontEnd (Charlotte, Sophia), and Database (Lauren, Catarina). Weekly meetings will address hurdles, with members from different teams offering support. Due to different time zones, deadlines are set during weekly meetings, allowing individuals to work at their own pace.

**What are the main features of your project?**

The main features of our interactive festive hover map include a welcome page with user input options, event pins with a detailed description box, a responsive map with interactive hover features, highlighted pins according to a toggle list, suitable events based on various criteria, a booking link with a built-in platform, a backend database with live updates for ticket reservations, a confirmation screen with user email confirmation, a "You Might Also Like" feature, a custom cursor, custom map, festive color scheme, and the ability to remember user bookings.

**Part 2 - Design Details**

Design Tool - We used Figma for wireframing.

Figma link:

<https://www.figma.com/file/ZEJSJgqx78MU91Xjen96pO/Winter-WonderMap?type=design&node-id=55%3A8&mode=design&t=Aa6BSiTMyV3XwcY6-1>

Screen Design - We'll have the following screens (a total amount of 5-6 screens):

- Welcome screen Intro and preferences
- Map screen
- Hover over box screen
- Booking screen
- Confirmation screen
- Error screen

**Colour Palette:**

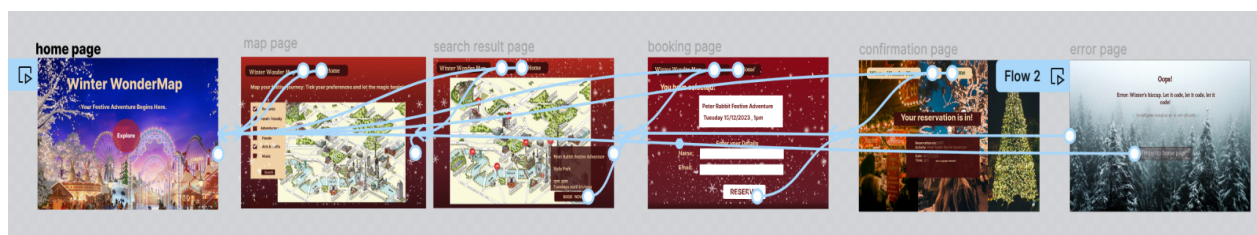
In crafting our winter wonderland's color palette, we embraced the spirited hues of Christmas and holiday cheer. These festive colors not only evoke a sense of

celebration but also infuse the design with warmth and joy, creating an inviting and enchanting visual experience for our users.



### **Wireframe Flow:**

Organizing the wireframes in a linear sequence from the Welcome Screen to the Error Screen follows a logical user journey, mirroring the anticipated flow of interactions. This arrangement ensures a cohesive and intuitive progression, aligning with the user's natural path of engagement and facilitating clear communication of the app's structure to both designers and stakeholders. It is a continuous flow that only introduces a deviation in case of an error.



### **Design Choices Justification:**

In organizing the wireframes for the winter wonderland app, the linear progression from the welcoming festive hues of the Welcome Screen to the vibrant interactive elements on the Map Screen, followed by the detailed Hover Over Box Screen and concluding with the booking and confirmation screens, ensures a user-friendly and intuitive flow. The strategic placement reflects the anticipated journey, with consistent visual cues and grouping facilitating comprehension. The chosen Christmas-inspired color palette adds a touch of holiday magic, infusing the design with joyful warmth, enhancing the overall user experience.

