**Detailed project plan:**

1. **Project Concept and Purpose**

Our purpose is to create a holiday-themed website. It will feature a countdown calendar, daily tips, and recipes for families to recreate during holidays. Our goal is to build a responsive and engaging website. This project will showcase the programming skills we’ve learned.

**2. Technologies and Tools**

We will use HTML/CSS to design and style the site. We will use JavaScript to add interactive features like the countdown calendar and interactive recipes. We will use GitHub for storing our project and collaborative work. We will use Canva for designing the recipe book and adding images. VS Studio Code will be our development and testing tool.

**3. Project Roles & Team Responsibilities**

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| --- | --- | --- | --- | --- | --- |
|  | Milestone | Iuliia Bazhutina, lead | Raj Patel | Izabella Balogh | Abel Tsegay |
| Week 1 | 11/15/24 | Design spec. | Frontend dev. | Document. spec. | Backend dev. |
| Week 2 | 11/22/24 | Document. spec. | Backend dev. (js) | Design spec. (CSS) | Frontend dev. (html) |
| Week 3 | 11/29/24 | Frontend dev. (html) | Design spec. (CSS) | Document. spec. | Backend dev. (js) |
| Week 4 | 12/06/24 | Backend dev. (js) | Document. spec. | Frontend dev. (html) | Design spec. (CSS) |

While each team member has a specific role, we may alternate roles depending on the circumstances and if extra support is needed. We view flexibility as an asset and will operate as a team. We will collaborate to ensure we have a proper website to show at the end.

The **Team Lead** will manage the overall project on GitHub, schedule meetings, and establish a clear plan to meet project requirements. They will oversee the progress and make sure all tasks are handled by the respective individual.

**Developers** will handle the web development process frontend to backend. Fronted will include HTML work and structural layout. Backed will include javascript functions. Also, developers will test the site for bugs, debug code if needed, and ensure that code runs flawlessly.

A **Design Specialist** will be in the picture to make sure the website has a modern, polished, and professional feel to it. Making changes as needed and conferring with the developers to modify the page.

The **Documentation Specialist** will detail and track the functionality, features, and README of the project. Record keeping will be a vital aspect of this role to ensure the documentation remains current and accurate.

**4. Detailed Feature Breakdown**

**Countdown Clock Until Christmas**

* Create a display area to see countdown clock
* Use JS to create the clock, ideally with dateTime or moment.js
* Reset clock after date has passed

**Users Distance from A Specific Location**

* Using a button, we get the users location (if permitted) using JS Geolocation API
* Given the locations, use JS to calculate the distance between user and north pole
* Display the results in KM’s with a message saying how far they are from Santa’s Village

**Create/View My Favorites/Edit A Recipe**

* Create a form with fields for name, title, and recipe
* Use JS to validate the input fields.
* Add a success message and refresh page.
* Update total number of recipes on the recipes HTML
* Display list of all recipes in last page

**Daily Feed of winter/Christmas Facts**

* Create a box on the homepage to display rotating facts.
* Use JS to create a function that changes the text with new text every 5 minutes.
* Style and design the box/text

**5. Project Workflow and GitHub Setup**

We created a new GITHub repository for the group project: <https://github.com/IuliiaBazhutina/Group-project-Christmas-website>. All the team members are collaborators in the repository.

We created a new issue for every task. Every issue is assigned to a team member, it has a milestone. Also, we created a branch for every issue. Name of a branch contains a category word (feature, bugfix) and name of the task. To merge code to the main branch we need to create a new pull request. We made a ruleset, that every pull request to the main branch must be reviewed by 2 team members before merging. We will keep track of the progress using Project board, for that we created a new Project.

**6**. **Timeline and Miles stone**

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|  | Milestone | Tasks |
| Week 1 | 11.15.24 | Detailed project plan |
| Week 2 | 11.22.24 | Page 1 (html, css, js) |
| Week 3 | 11.29.24 | Page 2 (html, css, js) |
| Week 4 | 12.06.24 | Page 3 (html, css, js) |

**7. Final Presentation Outline**

* Introduction. Purpose of the site
* Features of Home page
* Features of Recipe page
* Features of My favorites page
* What challenges we faced
* Conclusion. What we learnt