

TRAINHUB WEBSITE

DYNAMIC DUO

Matt Tonder

Hi, my name is Matt, I'm an international student from Peru, my major is Cybersecurity and I will be working on developing the back and front end for this project.

Laura Martin

I'm Laura an international student studying Mathematics and Computer Science, and for this project, I'll be focusing on developing the back-end with C++ and on connecting front-end with back-end.

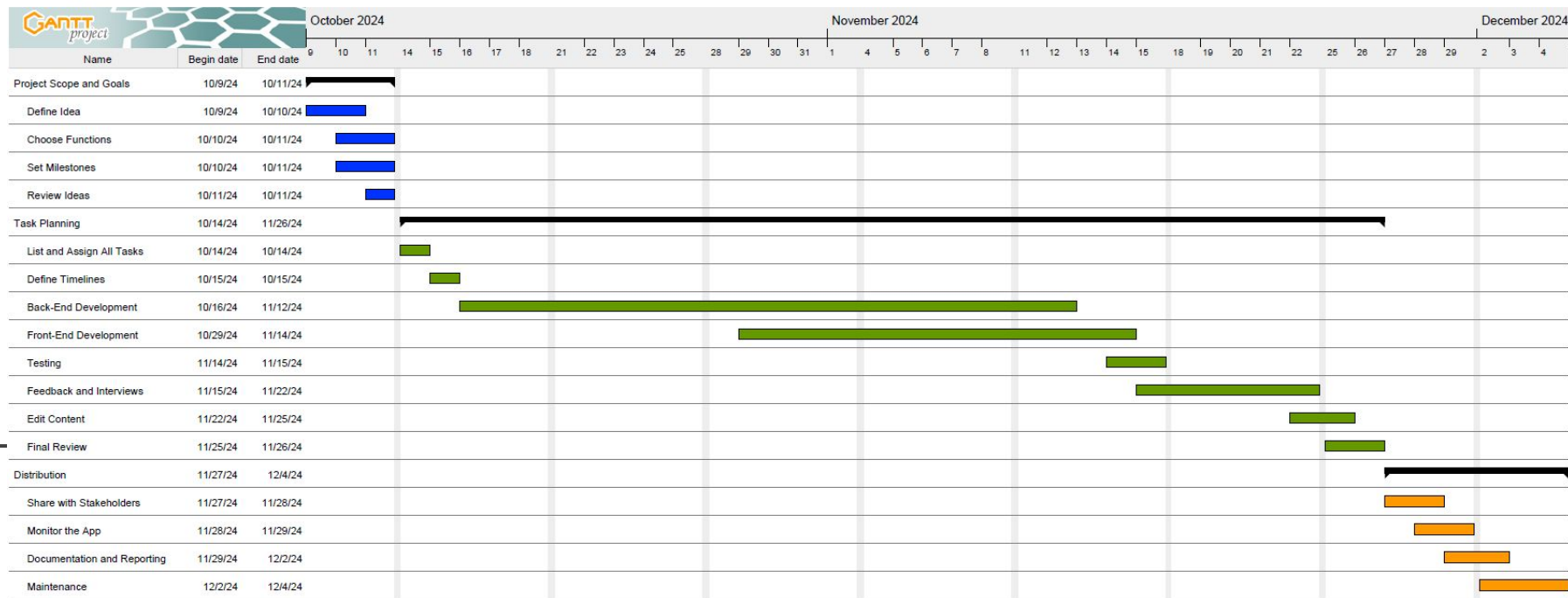
Description

Our project is a train and passenger management system that helps railway companies efficiently handle trips, train wagons, and passengers. Users can add and remove trips, manage passengers and assign available seats to passengers. The goal is to streamline the booking and management process to improve efficiency for both companies and customers.



Gantt Chart

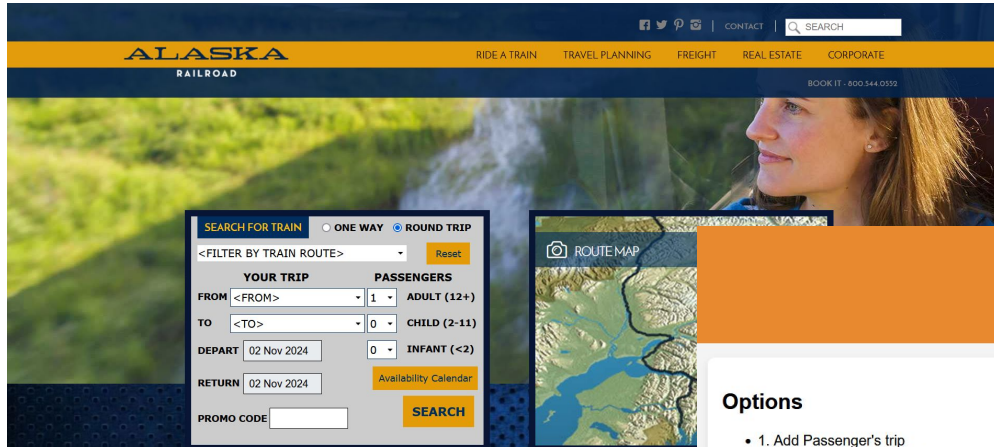
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We've already completed defining the project scope, selecting features, and starting on the database setup. Upcoming tasks include completing the back-end, testing, and developing the front-end. Our goal is to have the system fully functional in about six weeks.

Demonstration

Interface Idea



The screenshot shows the Alaska Railroad website. The header includes the Alaska Railroad logo, navigation links (RIDE A TRAIN, TRAVEL PLANNING, FREIGHT, REAL ESTATE, CORPORATE), and a search bar. Below the header is a large image of a woman looking out a train window. In the foreground, there is a search form with the following fields:

- SEARCH FOR TRAIN** (button)
- ONE WAY** (radio button) / **ROUND TRIP** (radio button)
- <FILTER BY TRAIN ROUTE>** (dropdown menu) / **Reset** (button)
- YOUR TRIP** section:
 - FROM** (dropdown menu) / **1** (dropdown menu) / **ADULT (12+)**
 - TO** (dropdown menu) / **0** (dropdown menu) / **CHILD (2-11)**
 - DEPART** (date field) / **02 Nov 2024**
 - RETURN** (date field) / **02 Nov 2024**
 - PROMO CODE** (text field)
- PASSENGERS** section:
 - 0** (dropdown menu) / **INFANT (<2)**
- SEARCH** (button)

To the right of the search form is a **ROUTE MAP** section with a camera icon and a map of Alaska.

TrainHub

This website is designed to help passengers manage and organize their trips in a more effective way!

Options

- 1. Add Passenger's trip
- 2. Remove Passenger's trip
- 3. Display travel history
- 4. Show Passengers in a Train

About the Website!

This website's parents are Matt Tonder and Laura Martin

Add Passenger's Trip

Remove Passenger's Trip

Show Travel History

Show Passengers in a Train

End Program

Source: Alaska Railroad