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Background

The travel request system that HAPO used previously was outdated and difficult to navigate. Processing a request required users to send emails and update a confusingly large SharePoint form. This system was inefficient and created issues with reviewing information and approving requests. HAPO wanted a solution that would automate certain workflow steps and make their travel requests easier to view and approve.

Transportation Type:

Employee Legal Name:

Date of Birth:

Phone Number:

Department:

Department Director/VP:

Position/Title:

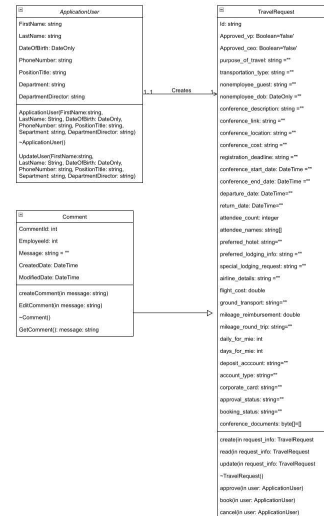
Purpose of Travel:

Non-employee(s) traveling with you?

Non-employee Legal Name:

Technology

Our web application was made using ASP.NET Core 8, implementing Entity Framework Core and MVC with Razor Pages. We also implemented an SQL database for storing travel requests. Papercut SMTP was used to send automated emails.

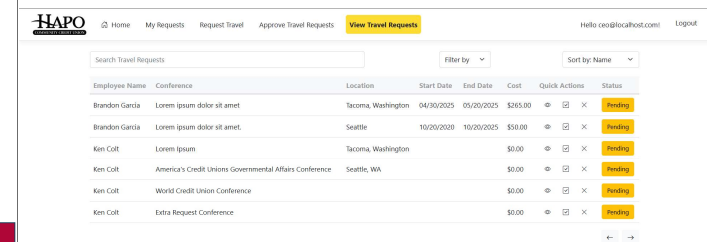


Design Approach

Our travel request application will be a .NET website. When a user logs in, their travel requests will be displayed on the home page. All users will have access to a page to book a new travel request. This page will prompt the user for information about their travel. Some personal information about the user will automatically populate based on information in the employee database. There are three advanced privilege levels that users can have. Approvers can approve or deny requests made by their subordinate users. Travel bookers can update a request with the details of a booking. The CEO user has the ability to make final approval or deny all travel requests. We designed our application to be compatible with HAPO's internal employee database infrastructure.

Results

We created a more modern and easy-to-use platform for users to create travel requests. We also automated the email steps, which will cut down on mistakes in the workflow.



Employee Name	Conference	Location	Start Date	End Date	Cost	Quick Actions	Status
Brandon Garcia	Lorem ipsum dolor sit amet	Tacoma, Washington	04/30/2025	05/20/2025	\$265.00	✕ ✕ ✕	Pending
Brandon Garcia	Lorem ipsum dolor sit amet	Seattle	10/20/2020	10/20/2025	\$50.00	✕ ✕ ✕	Pending
Ken Colt	Lorem ipsum	Tacoma, Washington			\$0.00	✕ ✕ ✕	Pending
Ken Colt	America's Credit Unions Governmental Affairs Conference	Seattle, WA			\$0.00	✕ ✕ ✕	Pending
Ken Colt	World Credit Union Conference				\$0.00	✕ ✕ ✕	Pending
Ken Colt	Extra Request Conference				\$0.00	✕ ✕ ✕	Pending

Acknowledgements