

ENEL 645 Project - Release 1

David Haehlen, Edward Song, Laree Block

Our three overview sketches detail three different ways our design could be implemented. The first is where all of the visuals are on one page. There is a map showing the flight paths, a donut chart showing the typical delays for the destination city from Houston and a line of text at the bottom showing the typical delay for a flight to your chosen destination. The second design consists of three buttons on the page. Each button takes you to a different page where a different visualization is shown. The final design has three buttons and an area where the visualization is displayed depending on which button is clicked and what information is entered. From our three overview sketches the prototype that we choose to go with is the one with all of the visuals on the same page with no buttons. From feedback from our clients we found that this was the version they liked the most because it was the simplest and you didn't have to dig around for information.

Our video shows what happens when the user enters their flight information at the top of the page. The donut chart appears with the reasons for delay for that specific destination. As well the flight map updates with visualizations of the flights to the destination city. The delay time is also updated when the information is entered. Our video shows 2 different cities being entered into the header bar.

This prototyping technique helped us clarify what design was the easiest for a user to understand because we actually got to see how someone would interact with our dashboard.

The main requirements of our dashboard are:

1. It allows the user to enter the flight information out of Houston
2. It updates the flight map to show flights to the destination city
3. It shows the reasons for delay to the destination city so a user can see what the most likely cause for their flight being delayed is