BUSINESS CASE

Proposed Project	Freight Shield, a platform for connecting Drivers and Distributors
Date Produced	An MVP by the end of December, the rest by the end of the Winter Term
Background	Transporting goods via trucks is done with In particular, Drivers have a logbook that keeps track of hours, logged for time spent (such as driving, inspection, rest, etc).
Business Need/ Opportunity	Due to the nature of the industry, there's an incentive drivers to go past the safe number of hours, and for distributors to be indiscriminant about how they assign jobs. We want to make a system that prevents this, and makes connecting the two parties easier.
Options	Not doing the project Making a web application (using the LAMP stack) Making a web application (using the MERN stack) Making a mobile application -(Potentially other options, discuss)

Cost-Benefit Analysis

Not doing the project is out of the question, it's a requirement for this course (and the next), not to mention the whole degree with failing this course. No costs for development, maybe some benefits for one less commitment this term, but a lot of costs for the course, and our degrees.

The LAMP stack is reliable but old. Less people in the group have experience with it, and it might be harder to implement the features we want on it. Might spend less time getting started, but taking it as far as we want with locations and different users, etc will get more difficult. Mixed costs/benefits from probably being able to do it, but might not get as many benefits from the results.

The MERN stack is newer. More people in the group have experience with it (though not all). Was able to find some similar web applications that involve connecting different types of users (with maps and jobs) that use the same stack. Will still be difficult to accomplish, but the experience means that it won't be as hard to develop the project.

A mobile application would probably be the ideal form factor for this, but we don't have much (if any) experience with developing applications. More costs than benifits. Would probably return the most practical result, but only with significant cost from learning how to develop and implement it.

Recommendation

Going to make a web application using the MERN stack, seems like it has the best ratio between cost and benefits

BUSINESS CASE

Proposed Project	[At this point, the project is not yet approved, so it may not have its final name or the name may change. The current name or identifier should be included here.]
Date Produced	[The date the Business Case is produced.]
Background	[This section should include information that will help the reader understand the context and background history regarding the potential project. This section should not be written assuming that the background is common knowledge, but instead should be specific in order to create a common understanding of the context.]
Business Need/ Opportunity	[This section should demonstrate the business need or opportunity that the proposed project will address.]
Options	[This section documents the potential approaches to complete the project. There are always a minimum of two options: perform the project or do nothing.]

Cost-Benefit Analysis

[This section contains the detailed costs and benefits of each option listed in the previous section. The costs may include considerations such as financial expenditures, the amount of time required, possible risks, and the potential for reduced quality. The benefits may include the potential of increased sales, market share, and brand recognition, and the reduction of errors and ongoing costs. Each option should be clearly identified and listed separately.]

Recommendation

[This section contains the recommended option from the previous section.]