

BUSINESS CASE	
Proposed Project	Math Blitz
Date Produced	October 15, 2021
Background	<p>When we were brainstorming ideas for this project, the one we came across that we liked the most was making a trivia game in a web browser. The goal will be to create a visual interface where questions will be prompted to the user and they will be provided with multiple choice answers to pick from. They will gain points on correct answers and if the wrong answer is selected the right answer will be shown to the user before moving on to the next question. The goal will be for the website to have a simple design so that it is easily navigate able by children or adults alike. This can be implemented to help young students enjoy learning. It can be very hard for students, especially young students, to enjoy and commit to studying what they are learning in school. With a resource like this math trivia game where it turns learning and studying into a game it will appeal more to a younger audience.</p>
Business Need/ Opportunity	There is a market for educational resources for elementary aged students. This project will fit within that market.
Options	An approach we were considering is to use a pre-existing database of questions. The other approach is to create the database ourselves.
Cost-Benefit Analysis	
Using the pre-existing database approach, we will be able to save a significant amount of time as we will not have to create our own questions. This however means we will not be able to tailor the questions specifically to what we want which could result in lower question quality or consistency.	
If we create our own database of questions, we will have a much larger time commitment to finish the database. This means we will have to work more and put in more time to get it to a working state. This does mean however, that we will be able to create our own questions and make sure they are to our liking.	
Recommendation	
The recommended option is to use a pre-existing database to save time.	