## TECHNOLY REQUIRMENTS GBC LITERACY UPLIFT

TECHNOLOGIES	Team Knowledge Level	Description	Reasons
MySql (Server & WorkBench)	3/5	Some of the most popular platforms used in relational Databases. Robust and made to work well together and on different OSs	Our Application presents al the traditional needs of Relational Database. We all have taken courses in SQL and prefer MySQL IDE's. It is a choice based on common knowledge skills
TablePlus	3/5	A powerful and easy to use database manager IDE. It adapts well to MYSQL Server and makes inserting and viewing data very easy	MySQL Workbench is very good for planning out the EER diagrams but TablePlus is so intuitive and easy to use when a developer wants to quickly see and edit s Scheme without writing queries
Laravel (PHP)	4/5	Laravel is the hart and soul of our Web Application. It is probably, the most popular PHP Framework. Requires some learning but official tutorials offer videos and detailed manuals. MVC focused and requires "composer" package manager for extra utility modules	All the developers on the team are skilled in different Languages. PHP seems to be the Language that all developers know at a high level. Laravel was chosen as the framework to better organize the application. Building from scratch is longer and much more complicated
Xapi	1/5	The Experience API, is an e- learning software specification that allows learning content and learning systems to speak to each other in a manner that records and tracks all types of learning experiences. Learning experiences are recorded in a Learning Record Store.	One of the technologies that the team did not choose but was a requirement enforced by the previous skeleton of the incomplete application. The stakeholder would like to hold onto some code so it is our job as developers to learn these technologies and how to interact with them
Lavacharts	3/5	Charts and Graphs for PHP powered by the Google Chart API.	Integrates perfectly with Laravel and many tutorials are available online

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Google (drive/ doc/mail)	4/5	Standard for many industries with excellent editing and sharing tools offered by Google. Used for document sharing, storage and email communication	It is easy to implement and allows instant updates of files and communication on a fairly secure space. Basic free storage is plenty for this application
WhatsApp	5/5	Standard and fairly secure chat Application for quick live messages between team members	Email are used more for document sharing and decision making. Chat rooms are for quick answers and assistance when developers are not in the same room
Firebase	1/5	Firebase is a mobile and web application development platform developed by Firebase, Inc. in 2011, then acquired by Google in 2014. As of October 2018, the Firebase platform has 18 products which are used by 1.5 million apps	The previous version of this application was trying to implement a chat for all users. It was using Firebase. Our stockholder has invited us to use what code is available
VisualStudio Code	4/5	A light IDE text Editor that offer many extra features for intellisense and useful modules. Easy to sync with GitHub as well.	All developers are familiar and enjoy using this Text Editor
GitHub	3/5	A standard in the industry for sharing code safely and tracking all changes by individual developers.	The application needs to have a central source to safely store and edit. GitHub is easy to use, track change, rollback changes and merge. Tracking author of certain changes is easy too
HTML/CSS/ Bootstrap	4.5/5	standards in the industry for rendering and styling Web Pages	We are all familiar with Web UI Standards.