

PROJECT NAME: MediShare

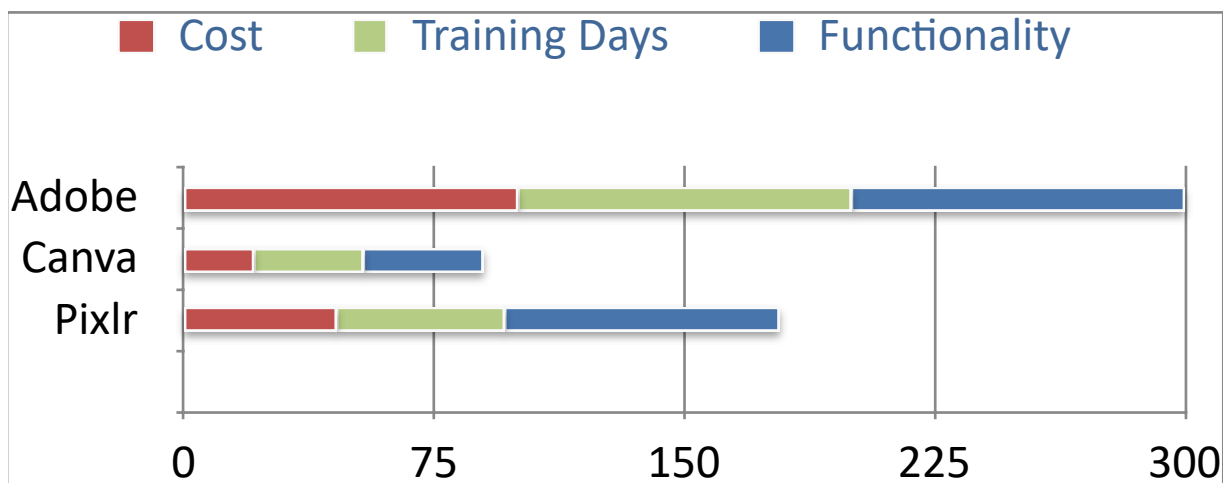
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TASK #	PROJECT TASKS WHICH REQUIRE SOFTWARE TOOL SUPPORT
1	User Interface
2	Database Management
3	Analytics and Reporting
4	Live Support

SOFTWARE TOOLS FOR TASK 1: User Interface

Tool	Adobe Photoshop	Canva	Pixlr
Cost	130 US\$	27 US\$	60 US\$
Training Days	30	10	15
Functionality	85	30	70

Tool (Normalized)	Adobe Photoshop	Canva	Pixlr
Cost	100.0	20.8	46.2
Training Days	100.0	33.3	50
Functionality	100.0	35.3	82

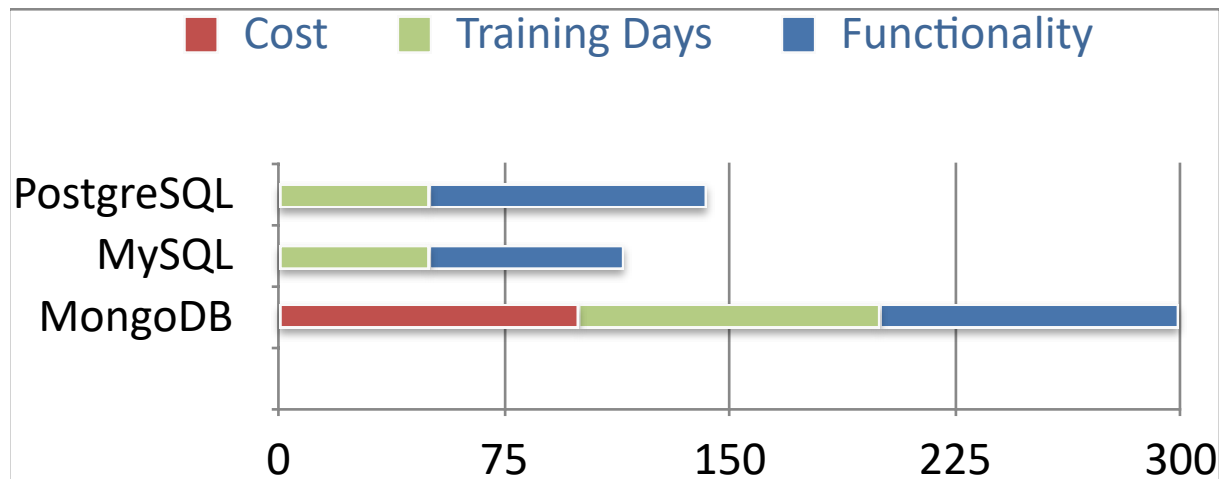


We selected Adobe because it is more versatile than other applications and enables employees to maintain a higher level of professionalism. There is a wide range of plugins available for Photoshop. These plugins allow you to extend the program's functionality and customize it to your specific needs. Photoshop has a large user community. This makes it easy to get help if you have questions or problems with the program. We selected this application because it can be used to illustrate how medicines are used and user interfaces.

SOFTWARE TOOLS FOR TASK 2: Database Management

Tool	PostgreSQL	MySQL	MongoDB
Cost	0 US\$	\$0.24	57 US\$
Training Days	30	30	60
Functionality	65	45	70

Tool (Normalized)	PostgreSQL	MySQL	MongoDB
Cost	0	0.42	100.0
Training Days	50	50	100.0
Functionality	92	64	100.0

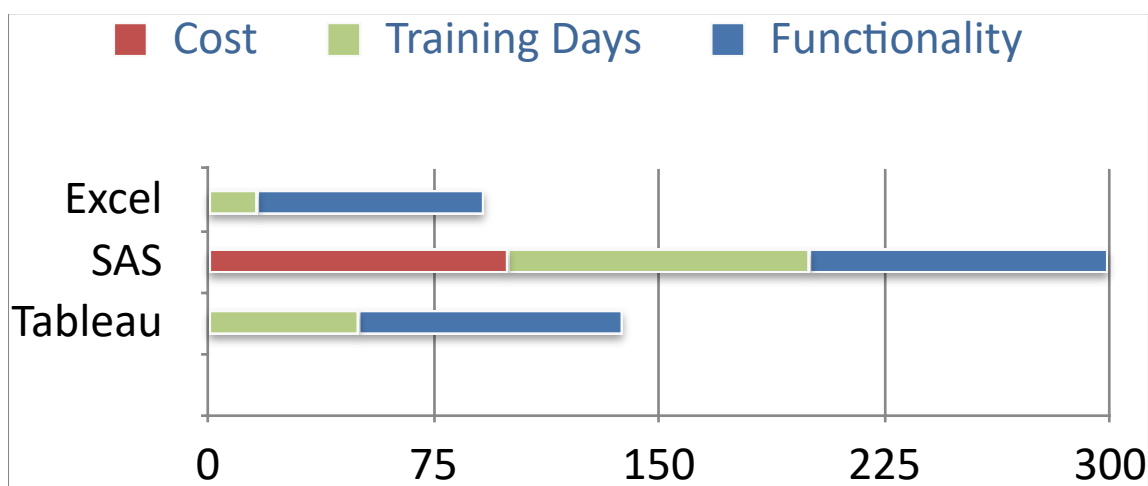


We selected PostgreSQL because it is more reliable, more convenient and easier to work with than others. We eliminate MongoDB because it is not associated with SQL. PostgreSQL's robust data integrity features, including constraints, foreign key relationships, and transactions, ensure the accuracy and consistency of stored data, crucial for maintaining medication records and patient health information. PostgreSQL is a robust, scalable database that can handle large data volumes and concurrent user access without compromising performance as your application grows. PostgreSQL provides a variety of extensions and customizations, enabling users to customize their databases for specific needs, including full-text search, geospatial data processing, and JSON support. PostgreSQL's active community offers extensive documentation, tutorials, and forums for troubleshooting issues and optimizing database performance, fostering a vibrant and active community for ongoing development and support.

SOFTWARE TOOLS FOR TASK 3: Analytics and Reporting

Tool	Excel	SAS	Tableau
Cost	0 US\$	10000 US\$	900 US\$
Training Days	5	30	15
Functionality	60	80	70

Tool (Normalized)	Excel	SAS	Tableau
Cost	0	100.0	0.09
Training Days	16.7	100.0	50
Functionality	75	100.0	87.5

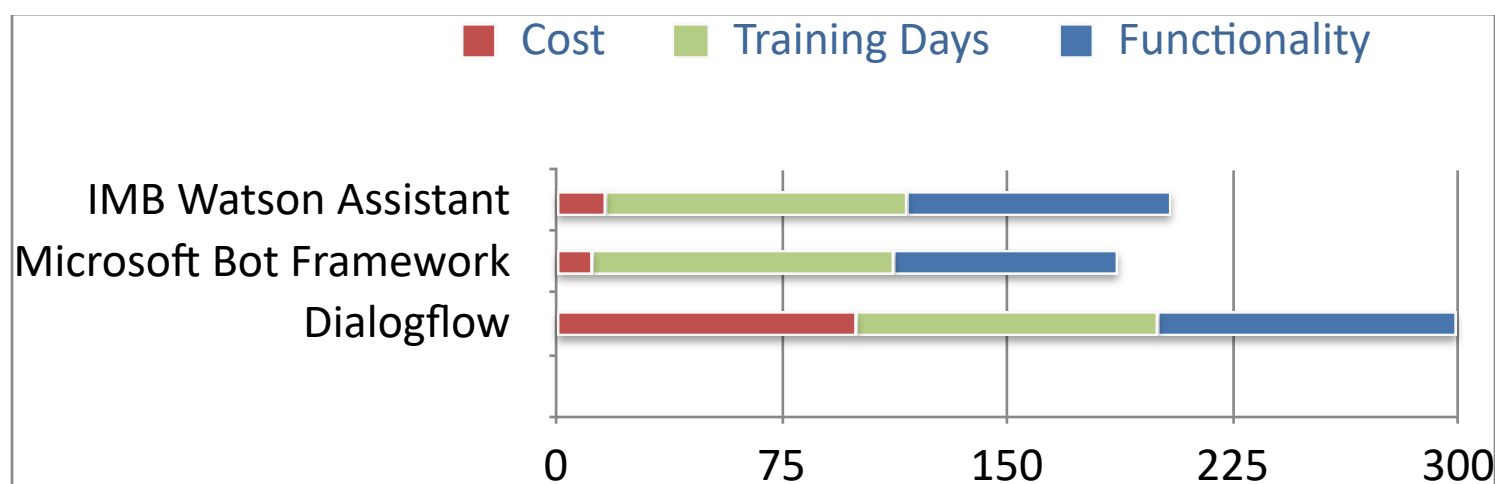


We selected Tableau. It offers a user-friendly interface for creating interactive dashboards and visualizations, benefiting healthcare professionals and administrators without extensive technical expertise in data analysis. Tableau provides a diverse range of charts and maps that simplify the comprehension of complex data. This is particularly convenient for us given our extensive database. Tableau integrates with various data sources, consolidating healthcare data into a single analytics platform, offering a comprehensive view of medication usage, patient outcomes, and trends. Tableau is scalable and can handle large amounts of data and concurrent users, making it suitable for healthcare organizations of all sizes, from small clinics to large hospitals. Tableau's advanced analytics capabilities, including predictive modeling and machine learning integration, provide insights into healthcare data, enabling proactive interventions and personalized treatment plans. Tableau offers a robust user community, comprehensive training resources, and documentation to help users maximize the platform's capabilities for healthcare analytics, regardless of experience level.

SOFTWARE TOOLS FOR TASK 4: Live Support

Tool	IMB Watson Assistant	Microsoft Bot Framework	Dialogflow
Cost	1680 US\$	1188 US\$	10000 US\$
Training Days	20	20	20
Functionality	70	60	80

Tool (Normalized)	IMB Watson Assistant	Microsoft Bot Framework	Dialogflow
Cost	16,80	11,88	100.0
Training Days	100.0	100.0	100.0
Functionality	87.5	75	100.0



We selected Dialogflow because it has a user-friendly interface, seamless web integration with Google's other products and as the health sector is critical, it offers the best response to the user. Due to its simple design and abundance of resources, Dialogflow is an ideal platform for beginners to quickly and easily make progress. Dialogflow employs advanced NLP technology to interpret user inputs, enabling live support systems to effectively process and respond to queries, even in colloquial or grammatical errors. Dialogflow provides you to design and deploy virtual assistants that can engage with users in real-time, answering questions, providing information, and guiding users through various tasks related to medication usage and healthcare queries. Dialogflow has supports on different platforms. Dialogflow facilitates seamless integration with third-party systems, allowing for the extension of live support system functionality and access to relevant healthcare applications, databases, and services. Dialogflow, a live support system, is built on Google Cloud Platform, ensuring high scalability and reliability for handling large user requests and concurrent interactions. Dialogflow offers valuable analytics for chatbot performance, enabling monitoring, identifying issues, and optimizing responses to enhance efficiency and effectiveness.