SE 216 – SOFTWARE PROJECT MANAGEMENT
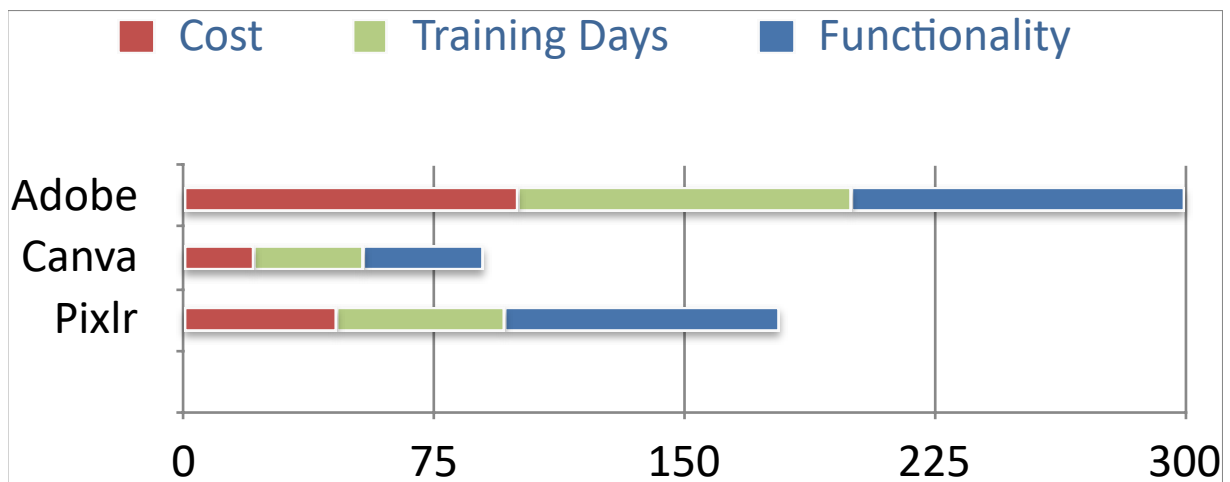## SOFTWARE TOOLS DOCUMENT
PROJECT NAME: MediShare
GROUP NUMBER and MEMBERS: Bartu ERDEM, Batuhan CAN, Emin Buğra AKSOY, Erkan Efe YEŞİLÇİMEN, Hüseyin Atacan AKGÜN, Samet Tolga ESEN

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

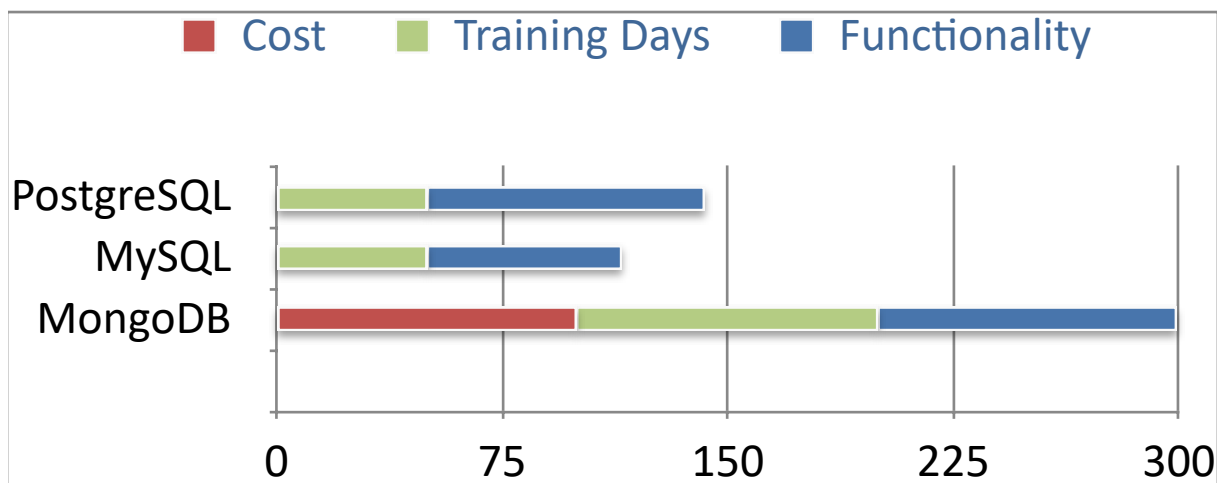| Tool	Adobe Photoshop	Canva	Pixlr
Cost	130 US$	27 US$	60 US$
Training Days	30	10	15
Functionality	85	30	70
Tool (Normalized)	**Adobe Photoshop**	**Canva**	**Pixlr**
Cost	**100.0**	20.8	46.2
Training Days	**100.0**	33.3	50
Functionality	**100.0**	35.3	82

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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 to 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.
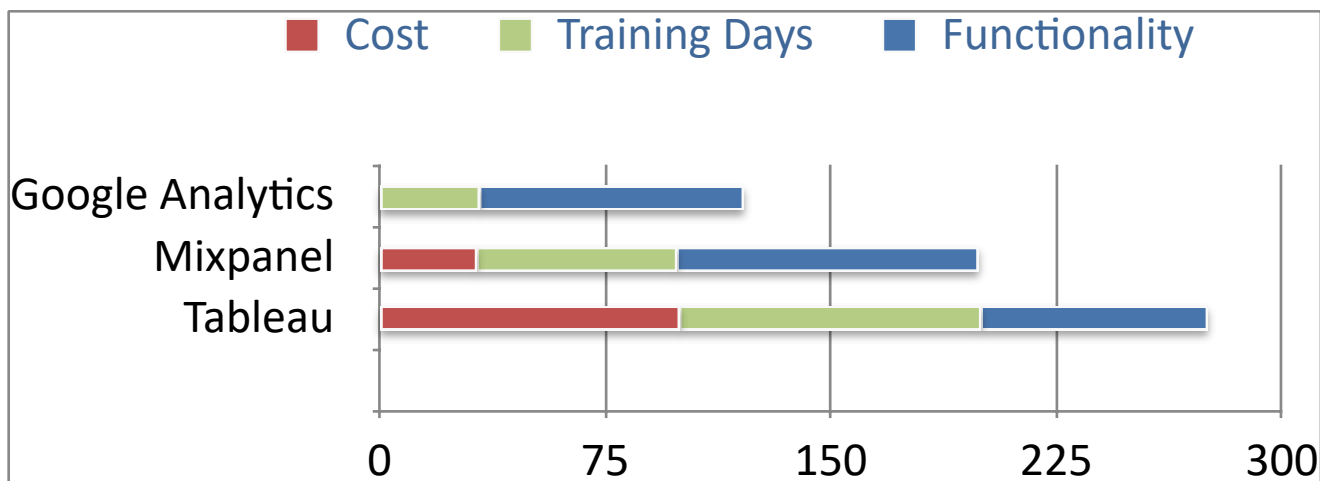
SOFTWARE TOOLS FOR TASK 3: Analytics and Reporting

Tool	Google Analytics	Mixpanel	Tableau
Cost	0 US$	288 US$	900 US$
Training Days	5	10	15
Functionality	70	80	60

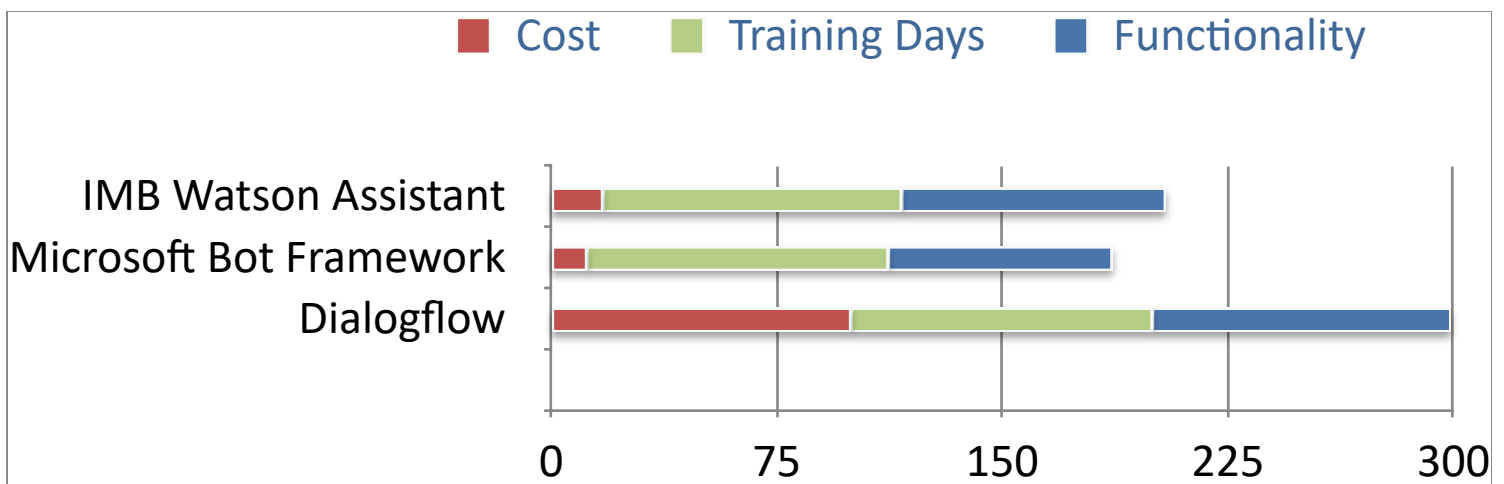| Tool (Normalized)	Google Analytics	Mixpanel	Tableau
Cost	0	32	**100.0**
Training Days	33.3	66.7	**100.0**
Functionality	87.5	**100.0**	75

We selected Google Analytics because it has a user-friendly interface, a vast database, seamless web integration with Google's other products, is free of charge, easy to use, and has an open API that enables integration with other tools.

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	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. Dialogflow can be used to help patients get information about drug interactions and side effects. This can help prevent medication errors.