

SE 216 – SOFTWARE PROJECT MANAGEMENT

SOFTWARE TOOLS DOCUMENT

PROJECT NAME: MallTrails

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TASK #	PROJECT TASKS WHICH REQUIRE SOFTWARE TOOL SUPPORT
1	Development (IDE)
2	Design (UX/UI)
3	Documentation

SOFTWARE TOOLS FOR TASK 1: Development tools (IDE)

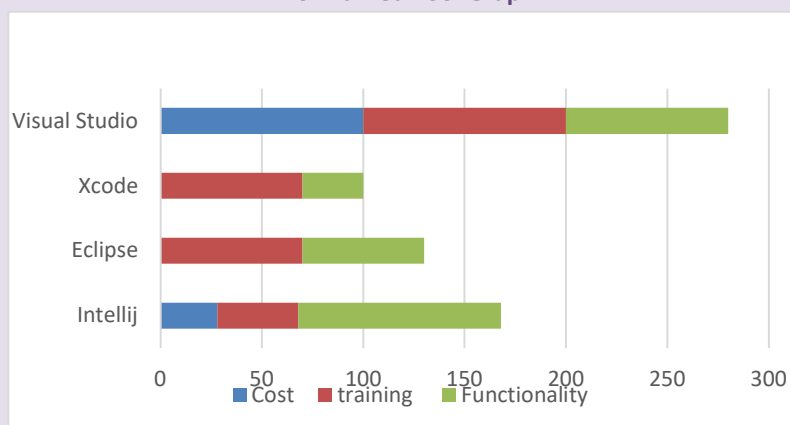
Tool Cost/Training/Functionality Data

Tool	IntelliJ IDEA	Eclipse	Xcode	Visual Studio
Cost	\$70.00 per month	Open Source \$0	Needs Mac, \$0	\$250 per month
Training Days	4	7	7	10
Functionality	100	60	30	80

Normalized Cost/Training/Functionality Data

Tool	IntelliJ IDEA	Eclipse	Xcode	Visual Studio
Cost	28	0	0	100
Training Days	40	70	70	100
Functionality	100	60	30	80

Normalized Tool Graph



Which tool has been selected? Why?

IntelliJ IDEA is selected because it can be used between cross-platform, with a steep learning curve and better package and extension support compared to the other IDEs. Moreover, it requires less training hours than the other IDEs.

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SOFTWARE TOOLS FOR TASK 2: Design Tools

Tool Cost/Training/Functionality Data

Tool	Adobe XD	UXPin	Figma	InVision Studio
Cost	\$9.99/month	\$19/month	\$12/month	\$13/month
Training Days	1	1	4	1
Functionality	70	40	85	50

Normalized Cost/Training/Functionality Data

Tool	Adobe XD	UXPin	Figma	InVision Studio
Cost	52.6	100	63.2	68.4
Training Days	25	25	100	25
Functionality	70.6	76.5	100	47.1

Normalized Tool Graph



Which tool has been selected? Why? Figma has been selected. There were several reasons for that. First, Figma is free for students. Second, Figma has good accessibility because it runs in the browser. Third, Figma uses vector-based graphics allows it to accommodate to different screen sizes and resolutions.

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SOFTWARE TOOLS FOR TASK 3: Documentation Tools

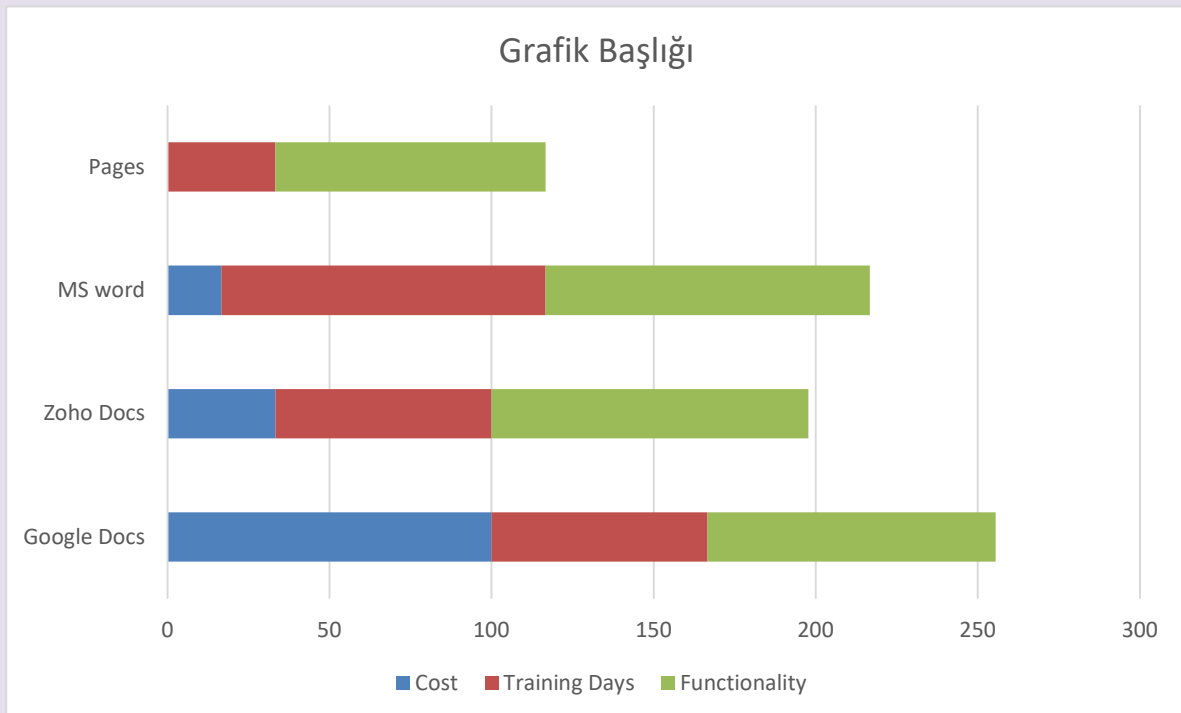
Tool Cost/Training/Functionality Data

Tool	Google Docs	Zoho Docs	MS word	Pages
Cost	\$60/month	\$20/month	\$9.99/month	\$0
Training Days	2	2	3	1
Functionality	80	88	90	75

Normalized Cost/Training/Functionality Data

Tool	Google Docs	Zoho Docs	MS word	Pages
Cost	100	33.33	16.65	Needs Mac, \$0
Training Days	66.66	66.66	100	33.33
Functionality	88.88	97.77	100	83.33

Normalized Tool Graph



Which tool has been selected? Why? Microsoft word has been selected.

Although we need more hours to get comfortable with the basic functionalities of MS word, it has cheap subscription fee and also it has better functionality than its competitors