

SE 216 – SOFTWARE PROJECT MANAGEMENT

SOFTWARE TOOLS DOCUMENT

PROJECT NAME:

GROUP MEMBERS:

TASK #	PROJECT TASKS WHICH REQUIRE SOFTWARE TOOL SUPPORT
1	System arrangement
2	Designing user interface
3	Development Process

SOFTWARE TOOLS FOR TASK 1: System arrangement

Tool Cost/Training/Functionality Data

Tool	Github	Google Cloud Source Repositories	Bitbucket	Gitlab
Cost	40 \$ / year	Free	60 \$ / year	228 \$ / year
Training Days	8	5	10	12
Functionality	30	20	60	70

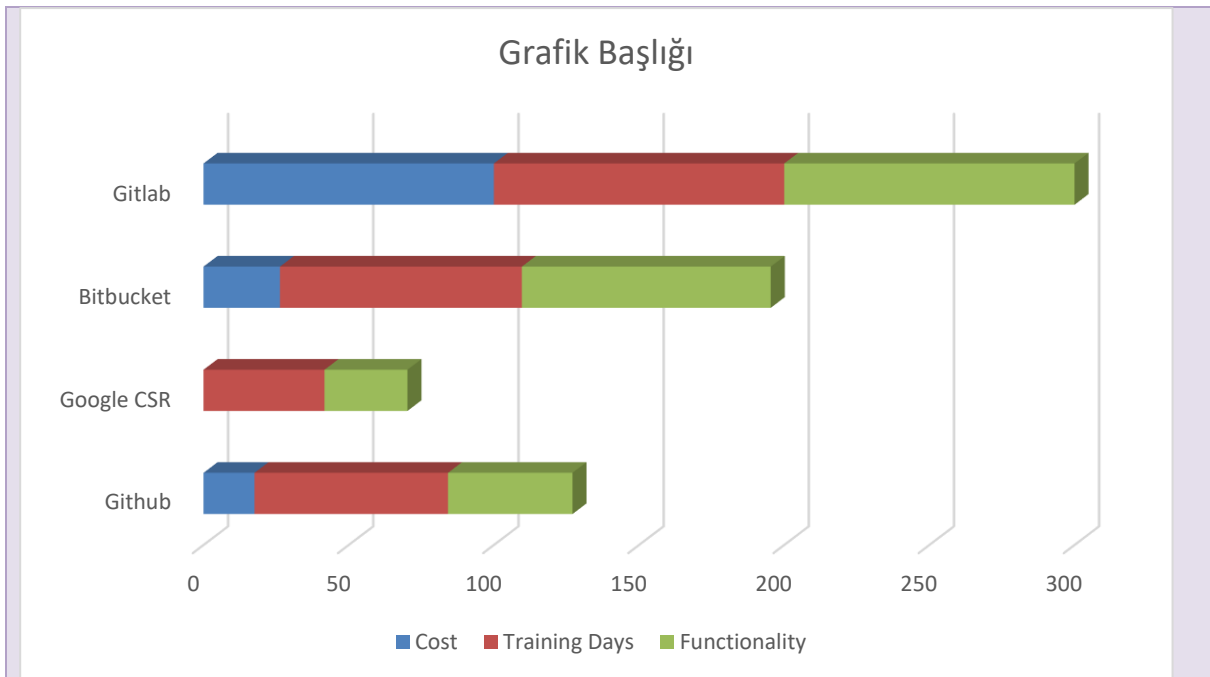
Normalized Cost/Training/Functionality Data

Tool	Github	Google Cloud Source Repositories	Bitbucket	Gitlab
Cost	17,5438	0	26,3157	100
Training Days	66,6666	41,6666	83,3333	100
Functionality	42,8571	28,5714	85,7142	100

Normalized Tool Graph

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Which tool has been selected? Why?

We chose BitBucket because it has many advantages, more flexible for wider range of version control systems than the other tools. Furthermore, it's learning time is not too long.

SOFTWARE TOOLS FOR TASK 2: Designing user interface

Tool Cost/Training/Functionality Data

Tool	Axure	Adobe XD	Sketch	inVision Studio
Cost	50 \$ /month	10 \$ /month	9 \$ /month	8 \$ /month
Training Days	20	14	10	7
Functionality	80	60	35	30

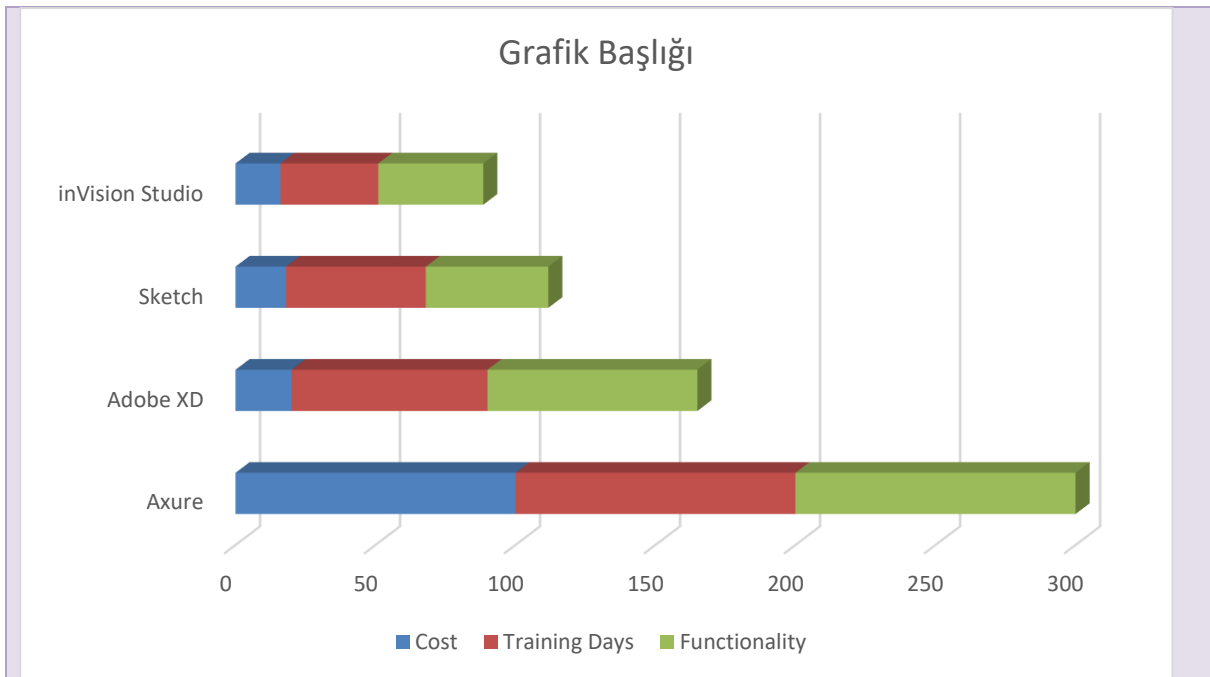
Normalized Cost/Training/Functionality Data

Tool	Axure	Adobe XD	Sketch	inVision Studio
Cost	100	20	18	16
Training Days	100	70	50	35
Functionality	100	75	43,75	37,5

Normalized Tool Graph

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Which tool has been selected? Why?

Cost effective, high functionality and average learning time are the main reasons for us to choose Adobe. In addition, it offers multiple pages in one design file for a quick inspection and note taking.

SOFTWARE TOOLS FOR TASK 3: Development Process

Tool Cost/Training/Functionality Data

Tool	Atom	IntelliJ	NetBeans	Visual Code Studio
Cost	80 \$ / month	50 \$ / moth	free	45 \$ / month
Training Days	8	6	3	5
Functionality	75	60	10	50

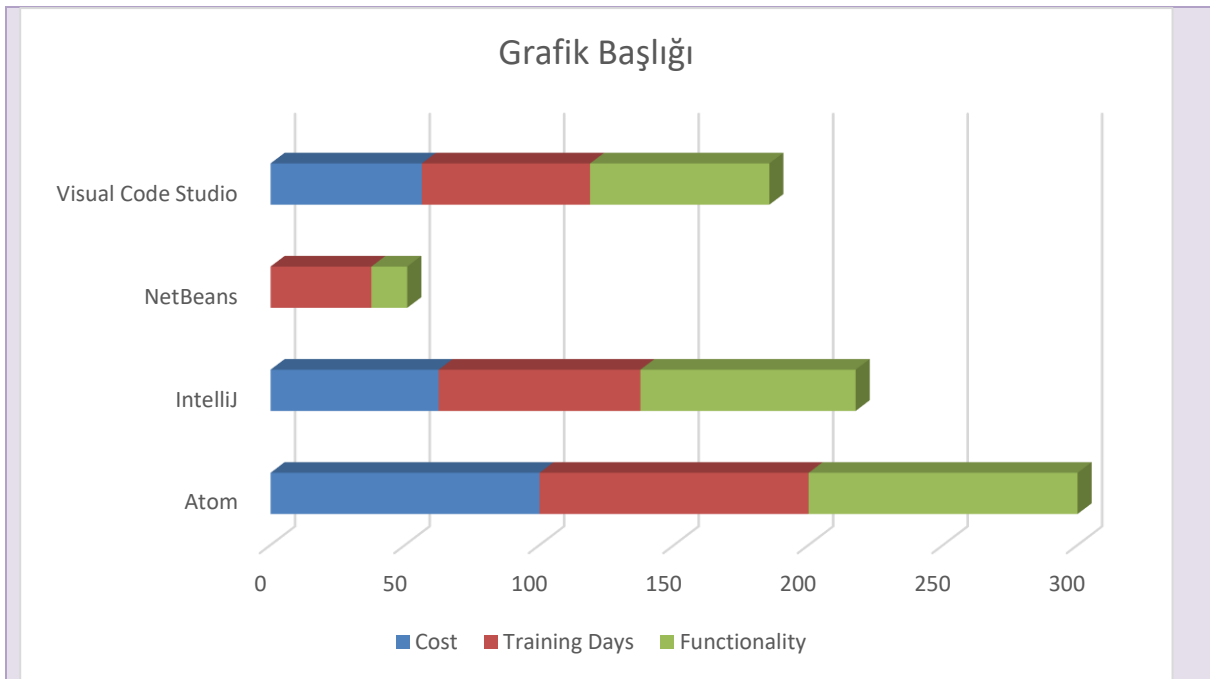
Normalized Cost/Training/Functionality Data

Tool	Atom	IntelliJ	NetBeans	Visual Code Studio
Cost	100	62,5	0	56,25
Training Days	100	75	37,5	62,5
Functionality	100	80	13,3333	66,6666

Normalized Tool Graph

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Which tool has been selected? Why?

IntelliJ IDEA enables developers to work more efficiently. They can write better code with consistent style, fewer bugs and exceptions, better referencing of the existing code base, better structure and also it costs affordable and learning time is convenient.