SE 216 – SOFTWARE PROJECT MANAGEMENT
SOFTWARE TOOLS DOCUMENT

PROJECT NAME: MOVIE NIGHT

GROUP MEMBERS: BUKET AYGÜN – SERRA ÖĞÜTCEN – BAHAR YARDIM

TASK #	PROJECT TASKS WHICH REQUIRE SOFTWARE TOOL SUPPORT
1	Implementation
2	Testing
3	Database Algorithm

SOFTWARE TOOLS FOR TASK 1: Implementation

Tool Cost/Training/Functionality Data

Tool	IntellijIDEA	Eclipse	Visual Studio	NetBeans
Cost/per month	49$	Free	45$	Free
Training Hours	2	1	3	2
Functionality	80	40	70	60

Normalized Cost/Training/Functionality Data

	IntellijIDEA	Eclipse	Visual Studio	NetBeans
Cost/per month	100	0	91	0
Training Hours	66	33	100	66
Functionality	100	50	87,5	75

Normalized Tool Graph
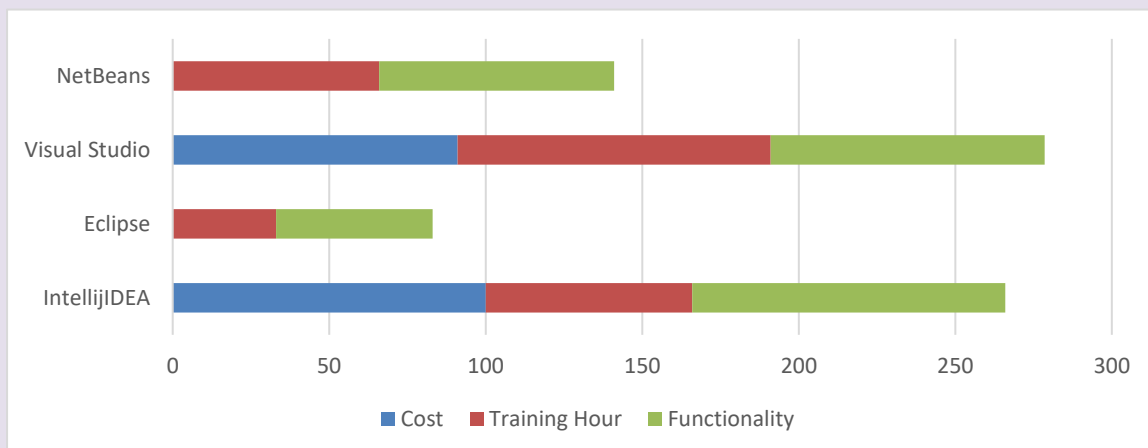
Which tool has been selected? Why?
We chose IntellijIDEA because; IntellijIDEA is the most efficient coding tool. We are a team which has not have a strict budget, but we definitely have time limitation. Also, we would like to have advanced functionalities. Considering those circumstances, IntellijIDEA seemed to have optimal training time, yet lots of functionalities and it is still affordable.

SE 216 – SOFTWARE PROJECT MANAGEMENT
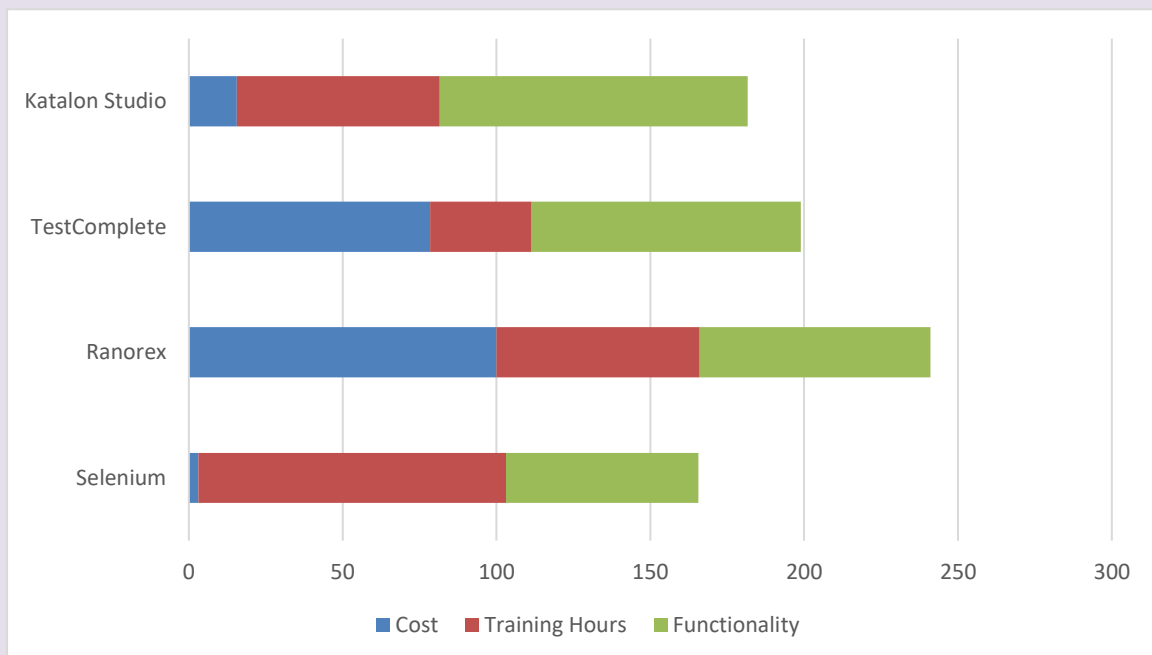# SOFTWARE TOOLS DOCUMENT

SOFTWARE TOOLS FOR TASK 2: Testing

Tool Cost/Training/Functionality Data

Tool	Selenium	Ranorex	TestComplete	Katalon Studio
Cost/per year	178$	5750$	4505$	899$
Training Hours	3	2	2	1
Functionality	50	60	70	80

Normalized Cost/Training/Functionality Data

	Selenium	Ranorex	TestComplete	Katalon Studio
Cost/per year	3,1	100	78,4	15,6
Training Hours	100	66	33	66
Functionality	62,5	75	87,5	100

Normalized Tool Graph

Which tool has been selected? Why?
We chose Katalon Studio because; Selenium might look affordable but it turned out it has lots of in-app purchases. Katalon has both lower training hours and costs, furthermore, it brings lots of functionalities. It meets our needs regarding functionalities in the most affordable way.

SE 216 – SOFTWARE PROJECT MANAGEMENT
# SOFTWARE TOOLS DOCUMENT

SOFTWARE TOOLS FOR TASK 3: Database Algorithm

Tool Cost/Training/Functionality Data

Tool	MySQL	Oracle	SQuirrel	Microsoft SQL
Cost/per year	649$	3850$	Free	3590$
Training Hours	1	2	2	3
Functionality	80	70	60	75

Normalized Cost/Training/Functionality Data

	MySQL	Oracle	SQuirrel	Microsoft SQL
Cost/per year	16,9	100	0	93,2
Training Hours	33	66	66	100
Functionality	100	87,5	70	78,75

Normalized Tool Graph
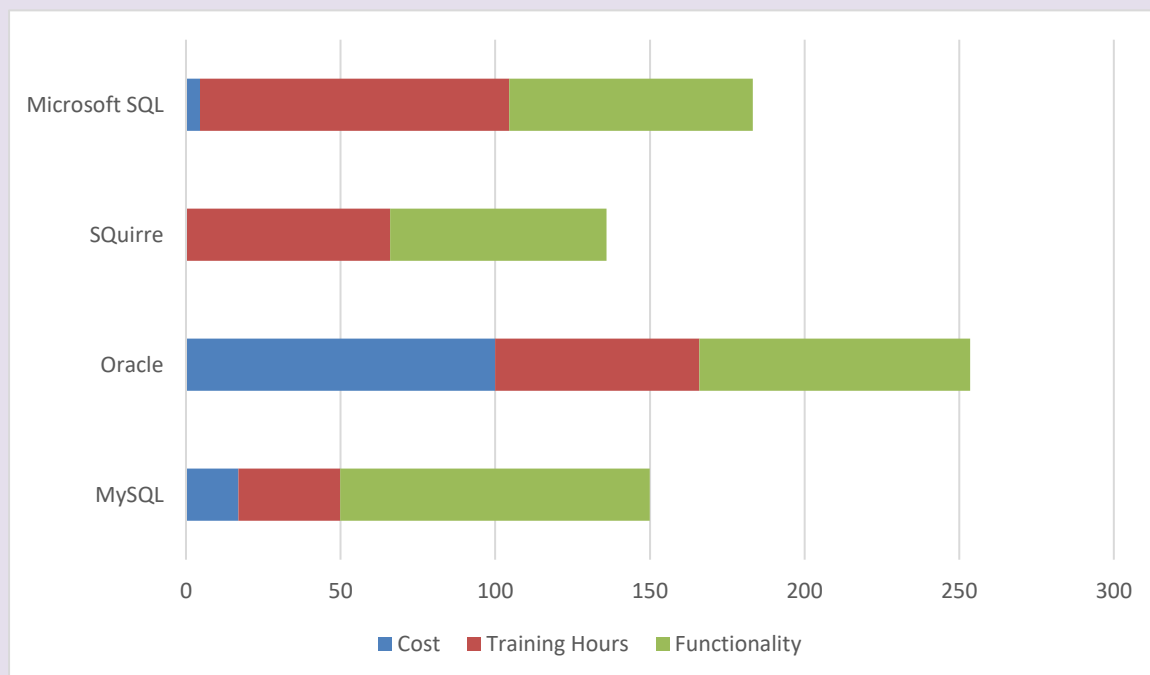
Which tool has been selected? Why?
We chose MySQL because; MySQL's cost is an affordable price and it is the best for fast learning. Its functionality is the most efficient and satisfying SQL tool for us.