

**SE 216 – SOFTWARE PROJECT MANAGEMENT**  
**SOFTWARE TOOLS DOCUMENT**

**PROJECT NAME:** Recipe Bank

**GROUP NUMBER and MEMBERS:** Atakan Acaroğlu, Hasan Efe Ünal, İdil Sanem Gürsoy, Fulya Aydın, Mert Can Erdoğan, Barış Özdemir

TASK #	PROJECT TASKS WHICH REQUIRE SOFTWARE TOOL SUPPORT
1	Database
2	Cloud Services
3	IDEs

**SOFTWARE TOOLS FOR TASK 1:**

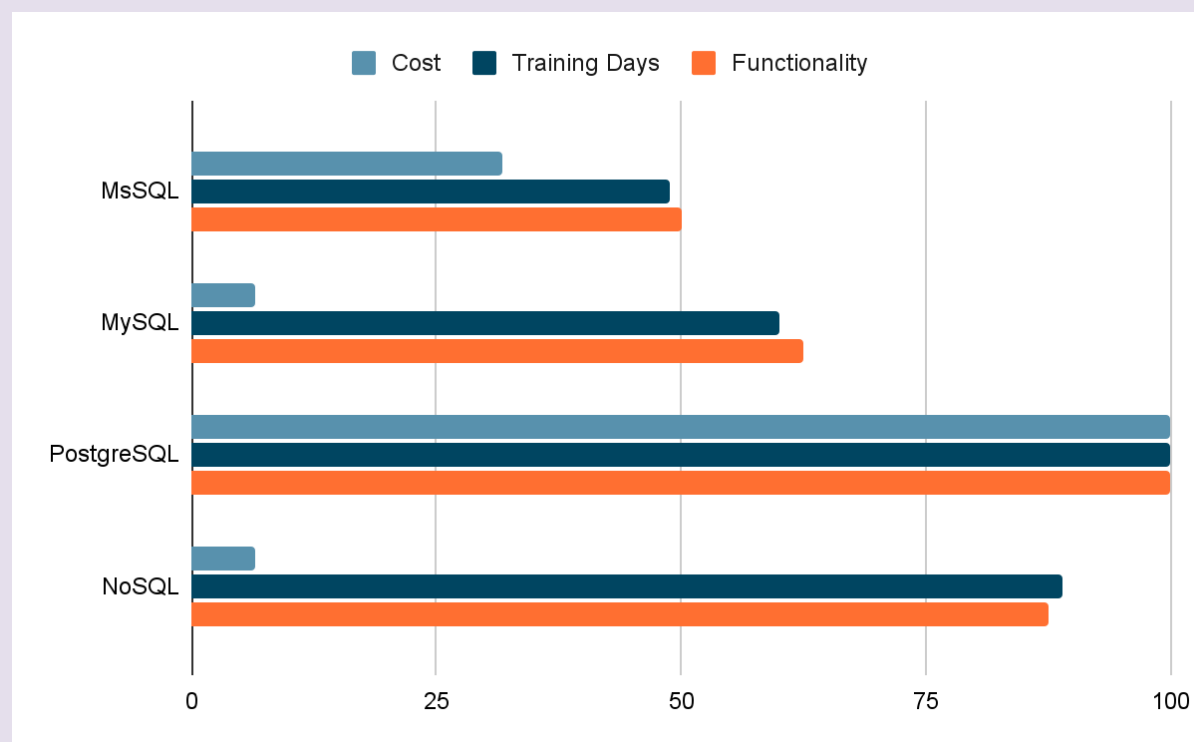
**Tool Cost/Training/Functionality Data**

Tool	MsSQL	MySQL	PostgreSQL	NoSQL
Cost	14,256 \$	5000\$/Year	47,500 \$	5,000 \$/Year
Training Days	22	27	45	40
Functionality	40	50	80	70

**Normalized Cost/Training/Functionality Data**

Tool	MsSQL	MySQL	PostgreSQL	NoSQL
Cost	31.8	6.6	100	6.6
Training Days	48.9	60	100	88.9
Functionality	50	62.5	100	87.5

**Normalized Tool Graph**



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Which tool has been selected? Why?

With a sizable user and development community, MySQL is user-friendly. Large data sets can be managed and stored with MySQL, which is also strong and scalable.

#### SOFTWARE TOOLS FOR TASK 2:

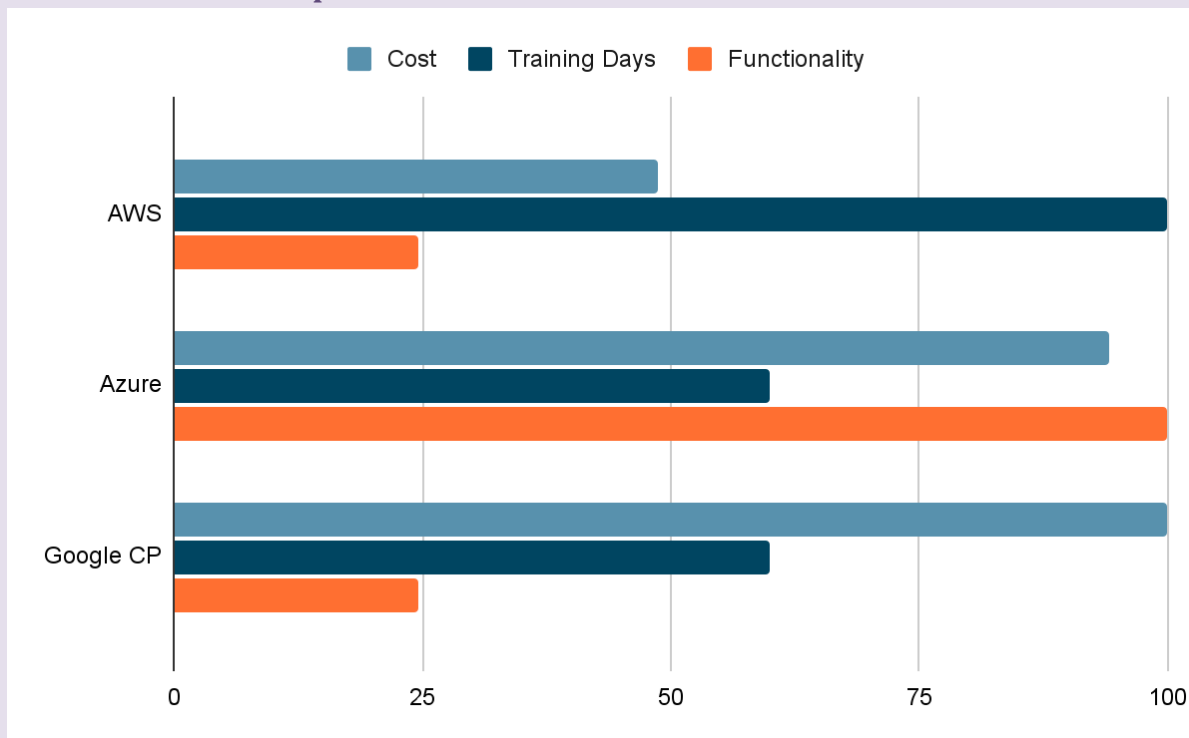
##### Tool Cost/Training/Functionality Data

Tool	AWS	Azure	Google CP
Cost	60\$	116\$	123.4\$
Training Days	50	30	30
Functionality	120	490	120

##### Normalized Cost/Training/Functionality Data

Tool	AWS	Azure	Google CP
Cost	48.6	94	100
Training Days	100	60	60
Functionality	24.5	100	24.5

##### Normalized Tool Graph



Which tool has been selected? Why?

Azure has been chosen due to its superior functionality coupled with the optimal utilization of training resources, thereby minimizing the required learning curve.

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#### SOFTWARE TOOLS FOR TASK 3:

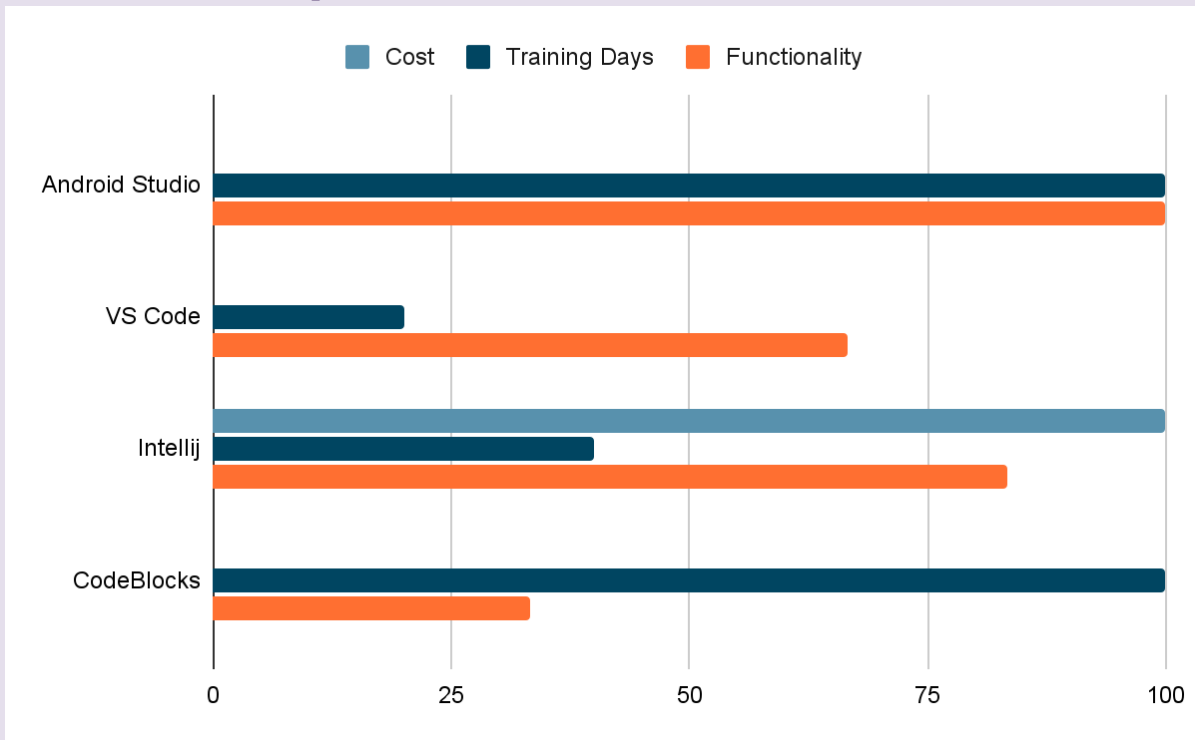
##### Tool Cost/Training/Functionality Data

Tool	Android Studio	VS Code	Intellij	CodeBlocks
Cost	0	0	599\$	0
Training Days	30	6	12	30
Functionality	90	60	75	30

##### Normalized Cost/Training/Functionality Data

Tool	Android Studio	VS Code	Intellij	CodeBlocks
Cost	0	0	100	0
Training Days	100	20	40	100
Functionality	100	66.7	83.3	33.3

##### Normalized Tool Graph



##### Which tool has been selected? Why?

Android Studio was chosen because it provides an emulator and many other services for mobile applications and it also integrates automatically with VSCode. Therefore, this lightens the workload and saves time.