SE 216 – SOFTWARE PROJECT MANAGEMENT
SOFTWARE TOOLS DOCUMENT

PROJECT NAME:IR-SEE

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TASK #	PROJECT TASKS WHICH REQUIRE SOFTWARE TOOL SUPPORT
1	USER AUTHENTICATION SYSTEM
2	DATABASE FOR USER DATA AND PROGRESS
3	UI/UX DESIGN

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SOFTWARE TOOLS FOR TASK 1:

Tool Cost/Training/Functionality Data

Tool	OKTA	AUTH0	Azure Active Directory	Firebase Authentication
Cost	$4000	$1400	$0	$0
Training Days	14	10	16	7
Functionality	90	80	75	65

Normalized Cost/Training/Functionality Data

Tool	OKTA	AUTH0	Azure Active Directory	Firebase Authentication
Cost	100	35	0	0
Training Days	87.5	62.5	100	43.75
Functionality	100	88.8	83.3	72.2

Normalized Tool Graph
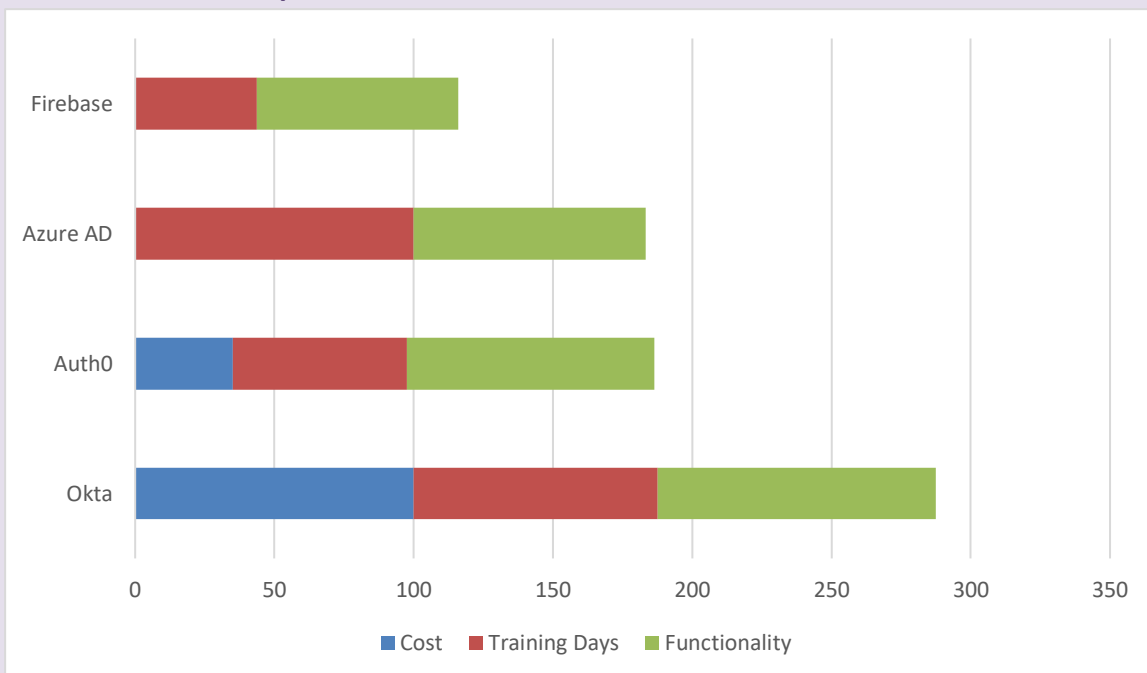
Which tool has been selected? Why?

We stayed between Firebase and Azure because there is a huge price difference compared to their competitors. We preferred Firebase because the training period is shorter and it is an ecosystem we know from the database task . In addition, the ease of use and reliability offered by Google was effective to sustain our project.

SOFTWARE TOOLS FOR TASK 2:

Tool Cost/Training/Functionality Data

Tool	AWS	MySQL	Firebase Realtime Database	Azure
Cost	400$	150$	350$	600$
Training Days	23	10	14	21
Functionality	80	60	75	85

Normalized Cost/Training/Functionality Data

Tool	AWS	MySQL	Firebase Realtime Database	Azure
Cost	67.7	25	58.3	100
Training Days	100	41.6	60.8	91.3
Functionality	94.1	70.6	88.2	100

Normalized Tool Graph
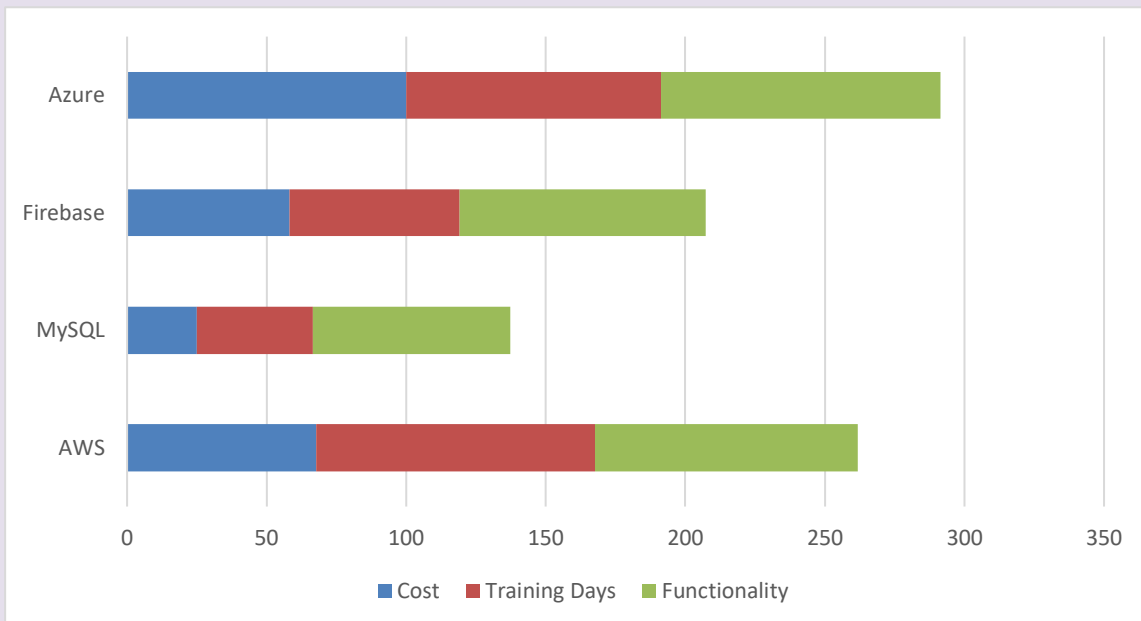
Which tool has been selected? Why?

The fact that it can be learned in a short time compared to other options , it offers a high functionality compared to its price and we know the ecosystem from authentication task caused us to prefer Firebase. In addition, as a Google-backed platform, it offers reliability and continuous innovation. While other cloud services such as Microsoft Azure and Amazon Web Services (AWS) offer a wide range of features, Firebase's ease of use and tools specifically designed for mobile/web-focused projects made it a more logical choice for us.

SOFTWARE TOOLS FOR TASK 3:
Tool Cost/Training/Functionality Data

Tool	Figma	Adobe XD	Sketch	InVision Studio
Cost	60$	58.4$	99$	60$
Training Days	3	4	2	4
Functionality	94	82	78	86

Normalized Cost/Training/Functionality Data

Tool	Figma	Adobe XD	Sketch	InVision Studio
Cost	60.6	58.98	100	60.6
Training Days	75	100	50	100
Functionality	100	87.2	82.9	91.4

Normalized Tool Graph
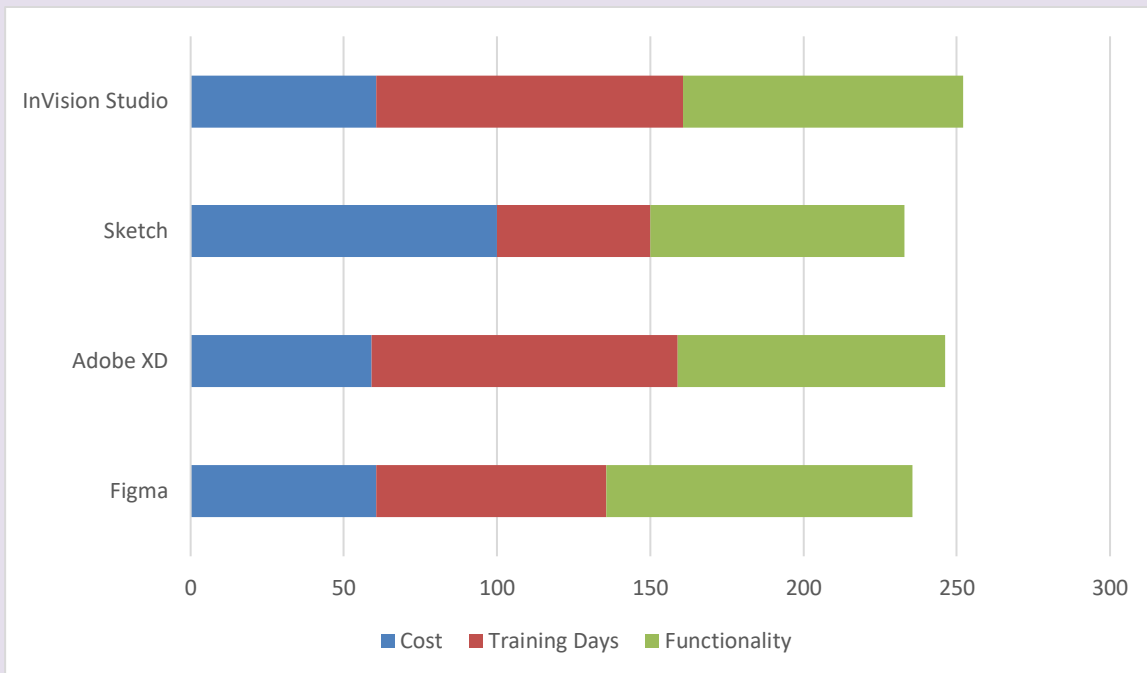
Which tool has been selected? Why?

With its user-friendly interface, powerful collaboration features and web-based structure, Figma is an ideal choice for both UX and UI design. It is also accessible on any platform and updates are provided automatically, making the design process efficient and easy, and in terms of price performance, Figma was the ideal choice for our project.