

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

**PROJECT NAME:** SeatTracker

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TASK #	PROJECT TASKS WHICH REQUIRE SOFTWARE TOOL SUPPORT
1	User Interface (UI) Design
2	Integrated Development Environment (IDE)
3	Collaboration and Communication

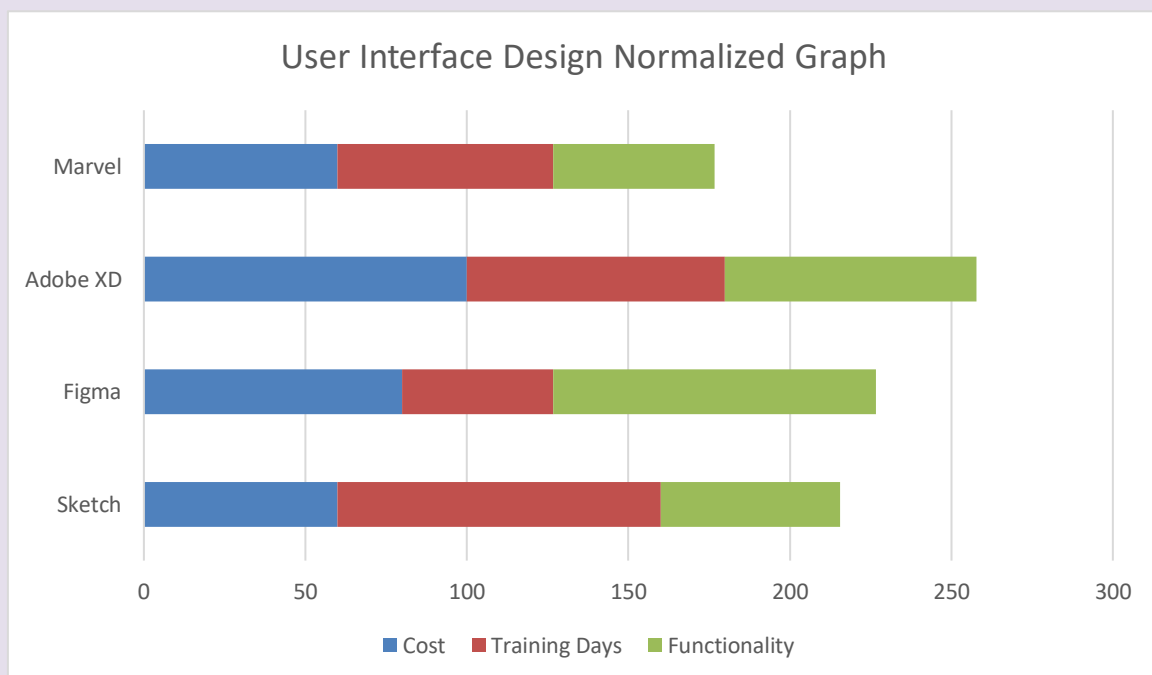
**SOFTWARE TOOLS FOR TASK 1: User Interface (UI) Design**

**Tool Cost/Training/Functionality Data**

Tool	Sketch	Figma	Adobe XD	Marvel
Cost	9\$ / month	12\$ / month	14.99\$ / month	9\$ / month
Training Days	15 days	7 days	12 days	10 days
Functionality	50	90	70	45

**Normalized Cost/Training/Functionality Data**

Tool	Sketch	Figma	Adobe XD	Marvel
Cost	60	80	99.93	60
Training Days	100	46.66	80	66.66
Functionality	55.55	100	77.77	50



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

After considering the chart, we decided to use Figma because it is the most functional tool that can be learned in the shortest amount of time. Although it is not cheap, however, we believe that the usability and functionality of Figma make it worth the investment. Therefore, we have decided to go with Figma for our user interface design needs.

#### SOFTWARE TOOLS FOR TASK 2: Integrated Development Environment (IDE)

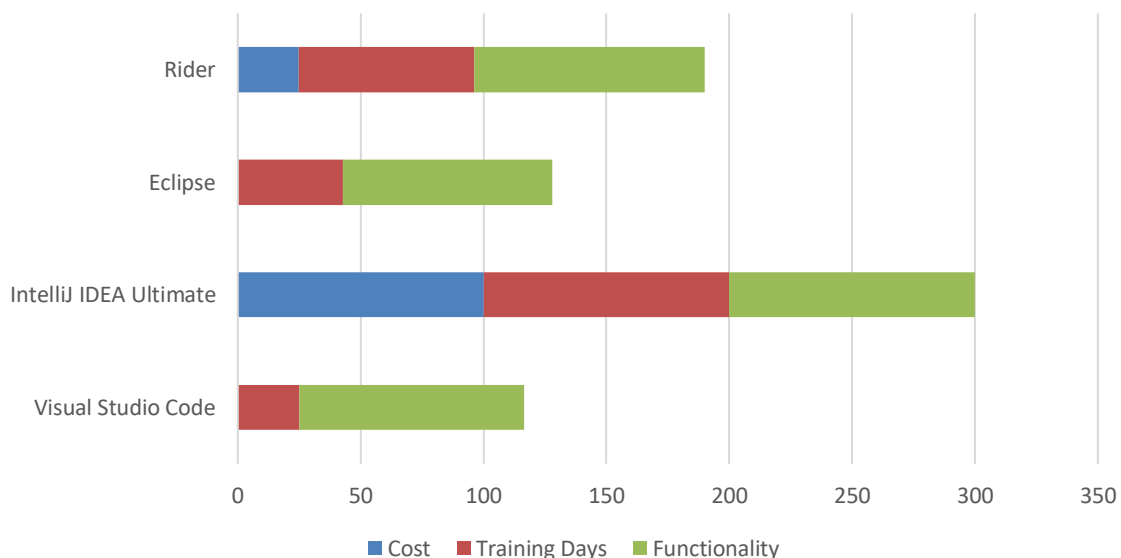
##### Tool Cost/Training/Functionality Data

Tool	Visual Studio Code	IntelliJ IDEA Ultimate	Eclipse	Rider
Cost	0\$ / month	59.90\$ / month	0\$ / month	14.90\$ / month
Training Days	7 days	28 days	12 days	20 days
Functionality	86	94	80	88

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

Tool	Visual Studio Code	IntelliJ IDEA Ultimate	Eclipse	Rider
Cost	0	100	0	24.87
Training Days	25	100	42.86	71.43
Functionality	91.49	100	85.11	93.62

Integrated Development Environment Normalized Graph



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

We chose Visual Studio Code because our team has prior experience in coding and developing applications using this IDE. It is easy to learn and has comparable performance to other IDEs. We decided on this IDE as our familiarity with it will save us the cost of learning a new one and any potential monthly fees associated with it.

#### SOFTWARE TOOLS FOR TASK 3: Collaboration and Communication

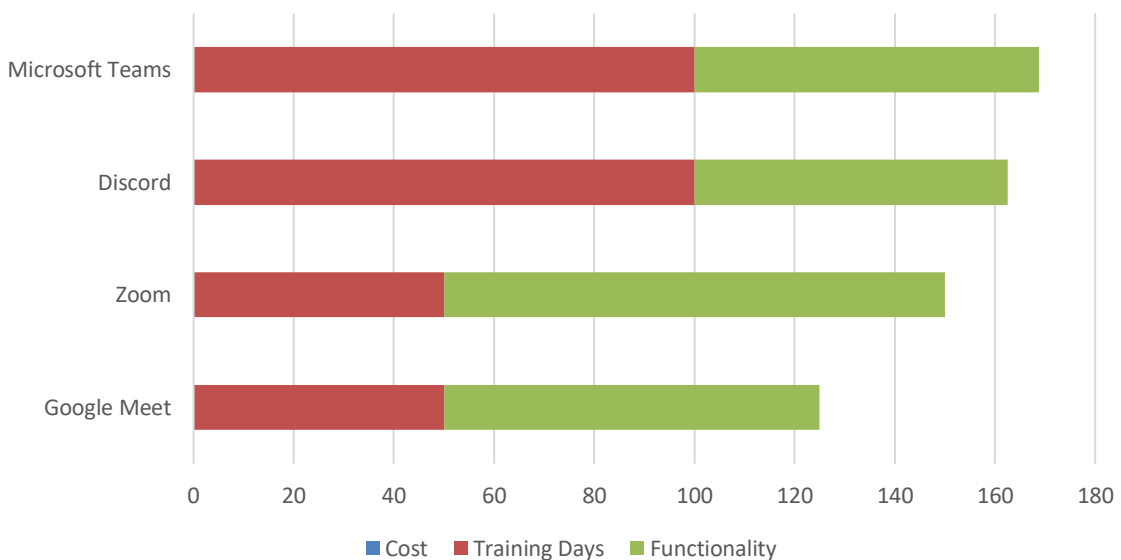
##### Tool Cost/Training/Functionality Data

Tool	Google Meet	Zoom	Discord	Microsoft Teams
Cost	0\$ / month	0\$ / month	0\$ / month	0\$ / month
Training	1	1	2	2
Functionality	60	80	50	55

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

Tool	Google Meet	Zoom	Discord	Microsoft Teams
Cost	0	0	0	0
Training Days	50	50	100	100
Functionality	75	100	62.5	68.75

Collaboration and Communication Normalized Graph



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**Which tool has been selected? Why?**

We have agreed to use Discord, although there may be better and easier alternatives. However, our team is quite familiar with using this app as everyone has at least 2 years of experience with Discord. Despite its minimal functionality, our knowledge of Discord is sufficient to bridge this gap. Additionally, using a new collaboration and communication application would incur a time cost, which we can avoid by sticking with Discord.