**PROJECT NAME:**

**GROUP NUMBER and MEMBERS:**

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| TASK # | PROJECT TASKS WHICH REQUIRE SOFTWARE TOOL SUPPORT |
| 1 | Application interface. |
| 2 | Data analysis and visualizing collected data. |
| 3 | Storing and managing user data. |

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| SOFTWARE TOOLS FOR TASK 1: |
| Tool Cost/Training/Functionality Data   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Tool | Marvel | InVision | Adobe XD | Figma | | Cost | 48$ | 99$ | 89$ | 75$ | | Training Days | 5 | 15 | 12 | 10 | | Functionality | 25 | 70 | 50 | 45 |   Normalized Cost/Training/Functionality Data   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Tool | Marvel | InVision | Adobe XD | Figma | | Cost | 48 | 100 | 89 | 75 | | Training Days | 33 | 100 | 80 | 66 | | Functionality | 36 | 100 | **72** | 65 |   Normalized Tool Graph |
| Which tool has been selected? Why?  During the development of a VitalBand-like health band, we put Figma at the top of the queue due to its suitability in streamlining the design process and fostering collaboration. Our decision was driven by Figma's user interface, its design for seamless integration with external software and services to incorporate real sensor data, and its compatibility with development tools. Ultimately, we chose Figma for its real-time collaboration features, ability to create interactive prototypes, and cost-effectiveness. |

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| SOFTWARE TOOLS FOR TASK 2: |
| Tool Cost/Training/Functionality Data   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Tool | Rapid Miner | Tableau | DiscoverText | Minitab | | Cost | 10$ | 75$ | 99$ | 154$ | | Training Days | 10 | 8 | 15 | 20 | | Functionality | 25 | 40 | 55 | 80 |   Normalized Cost/Training/Functionality Data   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Tool | Rapid Miner | Taleau | DiscoverText | Minitab | | Cost | 6 | 48 | **64** | 100 | | Training Days | 50 | 40 | **75** | 100 | | Functionality | 31 | 50 | 68 | 100 |   Normalized Tool Graph |
| Which tool has been selected? Why?  Tableau is preferred for data analysis and visualization projects due to its user-friendly interface and powerful visualization capabilities. It allows users to easily explore data, create interactive dashboards, and make informed decisions based on real-time analysis. |

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| SOFTWARE TOOLS FOR TASK 3: |
| Tool Cost/Training/Functionality Data   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Tool | MySQL | Amazon RDS | Azure | Firebase | | Cost | 8190$ | 18220$ | 17400$ | 99800$ | | Training Days | 3 | 16 | 10 | 25 | | Functionality | 18 | 50 | 45 | 90 |   Normalized Cost/Training/Functionality Data   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Tool | MySQL | Amazon RDS | Azure | Firebase | | Cost | 8 | 18 | **17** | 100 | | Training Days | 12 | 64 | **40** | 100 | | Functionality | 20 | 55 | **50** | 100 |   Normalized Tool Graph |
| Which tool has been selected? Why?  Amazon RDS is a managed cloud-based relational database service and offers benefits such as scalability, backup, and security. In this way, we can focus on the data and make data management easier with the services Amazon offers. |