### **Report**

### **1.Introduction**

### **2.Review of computers/tools/solutions**

### **3.Justification and recommendations**

### **4.Conclusion**

### **5.Links: Google doc, GitHub**

### **6.Reference List**

### **Introduction**

### 5 people is needed for to build a new mobile application

1.Product/project manager Lenovo IdeaPad 3

2.IOS/Android developer

3.UI/UX developer

4.Backend Developer

5.QA engineer

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### **Review of computers/tools/solutions**

### **1.Project/Product manager**

**Table 1.1: Hardware Set A “Basic”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Product and Project Manager** |  |  |  |  |
| Lenovo IdeaPad 3  **Price:** $745.02 | CPU: 2.4 GHz AMD Pyzen 53500U  Display: 14-inch FHD IPS (1920 x 1080)  RAM: 8GB (can be changed)  Battery: 4-5 hours  GPU:vIntegrated AMD Radeon Vega 8 | Lenovo IdeaPad 3 review demonstrates that a laptop does not have to be attractive to be a good choice. This is the device worth investing if you like compact size, smart technology and also strong chipsets | Prise is good  Sturdier build  Vibrant display  Secured web cam  Longer battery life (lasts over 9 hours)  Comfortable keyboard |  |

**Table 1.2: Hardware Set B “Premium”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Product and Project Manager** |  |  |  |  |
| Lenovo ThinkPad X1 Yoga Gen 6 (Core I7)  **Price:** 1852.13$ | Display: 16:10 14-inch FHD+ (1920+1200)IPS  Touchscreen  RAM: 16GB  Hard Drive: 512 GB SSD  Processor: 2.8 GHz core i7 family  Average Battery Live: 20 hours  Chipset Brand: Intel  Graphics Coprocessor: Intel Iris Xe Graphics  Card Description: Integrated  Wireless Type: Bluetooth | This is a 2-in-1 business laptop which you can use it as tablet. It is 360 degrees movable and wider Touchpad | Touchable screen  360 degrees movable  Fantastic 16:10 display  Outstanding Performance  Garaged stylus  Excellent battery Life | Expensive  Rather plain design  No SD card slot |

**Table 1.3: Software Set A “Basic”**

| **Name and Price** | **Minimum system requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Product and Project Manager** |  |  |  |  |
| [Sopheon](https://www.sopheon.com/)  **Price:** Free | CPU  GPU  Memory  Free storage space |  |  |  |

**Table 1.4: Software Set B “Premium”**

| **Name and Price** | **Minimum system requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Product and Project Manager** |  |  |  |  |
| [Basecamp.com](https://basecamp.com/)  **Price:** $11/month/user | Microsoft Windows 7 (32, 64-bit Windows)  RAM - 4GB  Intel Core I3-10510U  CPU - 1.6 GHz | Basecamp is a better way to work than just a project management tool. Basecamp users have more structured and productive teams. They demand fewer meetings and communicate more efficiently. They are also a great deal more effective than they were. Here is how Basecamps goes about doing it. | Snappy Interface  30-day free trial  Easy to use and learn  Can be downloaded both Mac or PC  Unlimited Projects  Priority support 24/7/365  500 GB storage space  Lots of features  Complimentary classes(regular free classes to whole team)  Advanced client access  Data Backup | Pricing  Real time value is not showing  No time tracking  Limited chat Management  Lack of advanced features  Limited Customization |

**Table 1.5: Software Set C “Premium”**

| **Name and Price** | **Minimum system requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Product and Project Manager** |  |  |  |  |
| Jira  **Price:** $11/month/user |  |  |  |  |

**2.IOS/Android Developer**

**Table 2.1: Hardware Set A “Basic”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **IOS/Android Developer** |  |  |  |  |
|  |  |  |  |  |

**Table 2.2: Hardware Set B “Premium”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **IOS/Android Developer** |  |  |  |  |
|  |  |  |  |  |

**Table 2.3: Software Set A “Basic”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **IOS/Android Developer** |  |  |  |  |
|  |  |  |  |  |

**Table 2.4: Software Set B “Premium”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **IOS/Android Developer** |  |  |  |  |
|  |  |  |  |  |

**3.UI/UX Developer**

**Table 3.1: Hardware Set A “Basic”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **UI/UX Designer** |  |  |  |  |
| Acer Aspire 7 A717-71G-56EM  **Price:** $316.42 | Display: 17.3-inch FHD IPS(1920 x 1080)  RAM: 8GB  CPU: 2.5 GHz up to 3.5GHz Intel Core i5-7300HQ, 64-bit  Memory: 1TB (can be increased Micro SD, card microSD, microSDHC)  GPU: NVIDIA GeForce GTX1050 GDDR5  Battery: non-removable 3,220 mAh | The laptop is affordable and powered by core i5 processor. It easily supports the stable operations | Keyboard and touchpads are comfortable to use  Good price/performance ratio  Quiet and effective cooling system  Battery is good 6 hours and 49 minutes on a single charge | Camera is not available  Doesn’t support gaming and 3D rendering |

**Table 3.2: Hardware Set B “Premium”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **UI/UX Designer** |  |  |  |  |
| MSI Leopard 10SDK-433 Core i7 -10750H  **Price:** $1,404.37 | Operating System: Windows 10  CPU: 144GHz Intel Core i7-10750H  Display: 15.6in (1920 x 1080)  GPU: 4-4 GB RTX1660TIVGA6  RAM: 16GB DDR4  Battery: 4400  Storage: 256-512 GB SSD  Graphics Card Ram Size: 6GB  Weight: 2.4 kg | This laptop has the latest 12th generation Intel Core i7 processor. It is god especially for gaming and working with graphic design interfaces and also for 3D modelling and 3D rendering. Because of the wide screen and best RAM UI/UX designers can easily d their work. | Sound and Keyboard  HD IPS screen  The best and latest version of RTX  Accidental Damage Protection  RAM and Super fast responsive screen frequency | Bulky Design  High Price  Mediocre battery life  Issues with heating  Support Service |

**Table 3.3: Software Set A “Basic”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **UI/UX Designer** |  |  |  |  |
|  |  |  |  |  |

**Table 3.4: Software Set B “Premium”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **UI/UX Designer** |  |  |  |  |
| [Sketch](https://www.sketch.com/)  **Price:** $9/month/user | Cloud Based SaaS Solution  4-8 GB RAM  Graphics Card: **NVIDIA GeForce**  Chrome 86+, Safari 14+, Microsoft Edge 86+ | Sketch is the tool where all the other necessary tools are gathered in one place. The most important thing is collaborative design process. You can create your own artwork, prototype from 0 in sketch | Free for education  Easy to use  High fidelity  30 days free trial  The all-in-one designer’s tool  Real-time collaboration  Lots of features  Can design graphics and wireframes, also good in prototyping | Only available app for Apple computers  Keyboard shortcuts  Image editing  Plugins are compulsory  Branching/versioning |

**Table 3.5: Software Set C “Premium”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **UI/UX Designer** |  |  |  |  |
| [Figma](https://www.figma.com/)  **Price:** $11.99/month/user | OS: Windows 7+ (XP also supports)  At least 1 GB  CPU: Intel Inside, Pentium, AMD  Space: 1 GB free space for better performance | Figma is a vector-based design and prototyping tool for professionals. Figma, when used as apart of a larger design workflow, allows for the creation of everything from single design elements to entire compositions. FIGMA is used by designers to create the front of web-sites logos, patterns, and icons. | All in one design prototyping, hand-offs  Easy to use  Online collaboration  30 days free trial  Quick and easy sharing files  Free Plan | Always must be online  Low user purchasing power  Issues with copyright  Lack of visibility |

**4.Backend Developer**

**Table 4.1: Hardware Set A “Basic”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Backend Developer** |  |  |  |  |
|  |  |  |  |  |

**Table 4.2: Hardware Set B “Premium”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Backend Developer** |  |  |  |  |
|  |  |  |  |  |

**Table 4.3: Software Set A “Basic”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Backend Developer** |  |  |  |  |
|  |  |  |  |  |

**Table 4.4: Software Set B “Premium”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **Backend Developer** |  |  |  |  |
|  |  |  |  |  |

**5.QA Engineer**

**Table 5.1: Hardware Set A “Basic”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **QA Engineer** |  |  |  |  |
|  |  |  |  |  |

**Table 5.2: Hardware Set B “Premium”**

| **Name and Price** | **Computer configuration** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **QA Engineer** |  |  |  |  |
|  |  |  |  |  |

**Table 5.3: Software Set A “Basic”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **QA Engineer** |  |  |  |  |
|  |  |  |  |  |

**Table 5.4: Software Set B “Premium”**

| **Name and Price** | **Minimum System requirements** | **Short description** | **Benefits** | **Limitations** |
| --- | --- | --- | --- | --- |
| **QA Engineer** |  |  |  |  |
|  |  |  |  |  |

***Reference List***

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