

Case scenario

A start-up specializing in making mobile applications (both Android and IOS) aims to equip itself with relevant hardware and software tools. The start-up contacts an IT consultancy company to explore its options. On behalf of an IT consultancy company, you are required to explore relevant computers (desktop/laptop/server) and software solutions/tools to aid the development process (e.g. design and prototyping, development, project management, testing) and summarize your findings in the report. While compiling the list, you have to differentiate between the needs of various development team members, i.e. developer, designer, project manager, tester and make appropriate choice of both hardware and software further supported with justification.

1. Introduction
2. Review of hardware and solutions
3. Justification and recommendations
4. Conclusion
5. References

Software Design and Prototyping Tools				
Name and price	OS/browsers support/	Short Description	Benefits	Limitations

Useful info

You need to consider 3 different software+hardware sets: 1) on premise, 2) cloud based, 3) hybrid. On-premise set should include details about hardware and software that will be used by the team, if the team decides to use the software that has to be installed on computers. Consider purchasing a server. Cloud-based set should include details about hardware and software that will be used by the team, if the team decides to mostly rely on cloud based solutions. Most likely they will need to use the cloud based server services. For cloud server services check out

<https://cloud.google.com/solutions/mobile>

https://aws.amazon.com/products/?pg=WICC-N&tile=learn_more and others and choose relevant services. Other applications that will be used by the team will also be mostly cloud based whenever possible. Hybrid set should be a set that includes the mixture of cloud tools and software and hardware that needs to be purchased. Based on the findings (advantages and disadvantages) you should provide appropriate recommendations

<https://xbsoftware.com/blog/website-development-process-full-guide/>

<https://www.g2crowd.com/>

<https://alternativeto.net>

<https://www.capterra.com>