**Write a summary report representing your own understanding on the following topics and cover the requested points:**A- Software Development Life cycle:  
1- State all the SDLC phases: explain each phase, its role in software development and its input & output  
2- state all the roles / titles that you know in the SDLC, their responsibilities and tools that they used if any  
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B- Agile and Scrum  
1- explain the agile methodology of working and its purposes  
2- compare between agile and waterfall models : advantage, disadvantage, when to use it, best practice of both  
3- state all the frameworks that you know are used for implementing agile  
4- explain in detail the scrum framework for agile : timing, meetings, roles  
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C- web development stacks  
1- state all the web application parts and services  
2- state all the web stacks that you know and compare between them : where to use, when to use, features  
3- state all the tools of development that are used in .Net stack  
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D- Git version control  
1- explain in detail the git version control system explaining why and when we use it and all the related terms  
2- mention all the cloud repositories that uses git version control and compare between them  
3- state all the commands that you know with the explaining of each function of them

<https://fullstacknetd-ao37639.slack.com/archives/C08EX3P6VM0/p1740981671954189>

<https://github.com/ByteByteGoHq/system-design-101>

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