**Content**  
  
**LLD**  
 [Concept && Coding - by Shrayansh](https://www.youtube.com/@ConceptandCoding)[3 weeks ago](https://www.youtube.com/post/UgkxXwo7HHDw-aMYEgCG_648VyqlZj8BCN8H)

1. Notes missing

2. Strategy pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa012aEQ2aTMyaTFVY0FUY3hwOVJ1bGR2bzZid3xBQ3Jtc0tsQVR2THVhcTFlQ2JkTHRhQjRaUGc4LWFycV9zbS1ROF9VWHZ5Y1dibDNPSWlqRk41MUp1N1pMTm1TV3JRdFg5QUxTNTN6eTVfZk9YWDdrY3UxRTVXeHBRM3BSaDFzazRVeWoxczFERDVlWGxyTmZWNA&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietvc07e6ecf28d7409286145c16e623f9ed)

3. Observer pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbXNpR3pmdVdNdzBQS1Z5Y2t0Mk1yOVJiVVViZ3xBQ3Jtc0ttaU9wZjlBVFI1dXN3cEpmVjBMaTJua2hYN3Fic0NZenhYUzN5bWtVNWs4V1hNTm9OYk9UdVI3TzhtMU50OU12NV9nX2JvNkRPRm5qNHpxc3RPOThJY3BhQUVoZmNxS1A5YnQ4X0Z6NHcwYTB3c21zTQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietvc07e6ecf28d7409286145c16e623f9ed)

4. Decorator Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbkpmRjMyM3EzQVBkSUZYS3RDcWU3NERYRmpVd3xBQ3Jtc0tsMmo2Q2l5Zkx1ckxjWjQzZ3dVUlNwaThSVF9KM2hQaFhRYmZiQVdPUmE5NU5PZVhTQUN3d2RzRW1CS1dOMHpjXzd6ZkE2dl9vSmtVdTkwdFE1WW92akdocTBWeGZEcUNTMzAzYVdQWF9yNURvZTgxMA&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo33c5b7060d544b1c986e519dd3ba4d1b)

5. Factory and Abstract Factory: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqazBpdVFVdFRqOHg5RDI0aE1MU0hfTUdUZUhEd3xBQ3Jtc0tscDRUU25aUkNHUEFKMHZOamtpZUdnMkVPb0VHV0dfSWNhaHBrVmUyc2pKZHhfU1FpN0haUzdHVlphRFNTY19hTHNiOEVINDJqS2ZBbHJTZzM4bms4eUpqcUZLdzFvMjFIN1AyVTdaLWxnSWFNY09rbw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Fblob%2Fmain%2Fsrc%2FLowLevelDesign%2FAll_Creational_Pattern-1_Screenshot.png) and [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbThzd3o0Q1JyMlNfWTVwRjVzWGhNSFFac3VVd3xBQ3Jtc0trU3lFRlY0bThvRHBOR0pYWU9xaFh4a3dFMF8xb1RmS0dGYTJoMEZ4akc5ZGRuM1VveDM3TTF6cm5NczY2aEZrcFFYZDJFTjc5dVFwa0Fyd1d0Q2ZzOUFMd1Bxa2NrTnJoeTFYa3d1TWJTRzdZZExuYw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Fblob%2Fmain%2Fsrc%2FLowLevelDesign%2FAll_Creational_Pattern_-_2nd_Screenshot.png)

6. Interview question

7. Design Tic Tac Toe gam: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbl9mN1JtVmFHeFRSLU9JQW5VU2poNzJveHczd3xBQ3Jtc0ttTGFyN2xfN2tEazZaLWpjYU81WmNobzZRT0VDVllIMG5NQ3ZpUU9uRjJ6S1F6eEFWSUI1NXNtMkxhaWo4MlB4VmJlcV9GTklZQjVxVnZMel9nMUZQLXp3cmRpekd2YWdFNkdVOFBJcmtPZ1FlWnJldw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLLDTicTacToe)

8. Elevator System,: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbjE3anNaT2sxVzJ1eEQySkhOT1l4SVUzNUZKd3xBQ3Jtc0tsZGs1LVlMaThLQkJya0pfNjhmaDc0VlBrNEpsMF9YSVZWaFJzM3lmZUROMEhhVXQ1dWxNZ1RNSS1wWm4xdzdhQzg2aTBQeTlldmdaU3NFM3dTcXhFQ2EzcEcwSjhHYncyMlJHUXFlMGlWemJaMzlaRQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FLLDElevatorDesign%3Fref_type%3Dheads)

9. LLD of Car Rental System: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbmhVcGlBZzdNbUlqVEpYRldWSmdxSkVQd2Jsd3xBQ3Jtc0tsZFFyN0VsbWo0aFI4NEQtZDRFenRKTGF2WWswMkR6MEpYT1RubExCVFFnVEtnYmY4b0puZVpnQ20zZFRZeUpPd2ZGdjZEMFJScVdlcU9RREJYQV9aQWVJVWdJLURieEFmNG5uRFNyOFZCZkM2VFlBQQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FLLDCarRentalSystem%3Fref_type%3Dheads)

10. Chain of Responsibility: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqblZ3OVdIZFM3ZlRLR1RjZnNoRV9OMEdmdjd6UXxBQ3Jtc0ttTEpqV2dtMTRIQ2RuaWVnMDdMQ1NYX1ktdDlRNXBuOEtzZUlLY0dPZ2FLMU9VVHRKZFlleXpUdUw1MjUtWmF4Vko1RVZ2bGZna19UT3ZOaURHUWlXUmtTWXpMM214bllBdzM1am14NWU1a0tvZlBzbw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignPatterns%2FLLDChainResponsibilityDesignPattern) and [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa3RaZ3VGOWFwRTlVRHVVeHhWc0FZZHN3VmRwUXxBQ3Jtc0tubGRWcWprZU1QV1MtYlFKN3Z1dXhVVmt6TmJPazlXNk9JanYxNXpfeWlEalFfN3ZfcGpKNXZETk5JRlA1MElTb0czakgzLUdqWm5FXzgxbDItNEJxV3JLaDdabUVXdFB2Y3p3UTViYnlUeWJnVUFXVQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietvc07e6ecf28d7409286145c16e623f9ed)

11. LLD of Snake and Ladder game: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbE5UbXNpVUszRXZVMmRUSGJxOGp3Rkh6TFRwUXxBQ3Jtc0ttVVI1NGlfMWp5NlFfaWg2dDhJbnVKX1Q4Y2hwUGh6Tk1LckxacUxmRHkzcnU3U0dPb1JKTFJaV1R3X2RxNU5KOW9mSTNMSFRYZG1ucml3WmZNZ1dPR0tmYUZmR2VQbVQzMzk0NTYzazVDaXFFYzI4Zw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FLLDSnakeLadder)

12. Hashmap Internal Implementation in java: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbE96cG84N0VNaXQ4bUdnczRtLTZWaWswYXM3UXxBQ3Jtc0tsU0tKRmt2OGhIS2g2cnF1amVXSm43QkxWelVvWlBENVpINnFaaVFtZ0lFUThES2tRVHhBZkJ6Um5KcFJOVHNaRWx5UXRDWm11S0lXM2pWSWRBMmpqXzdKbHZXWG5zSXlJTHZ5TU9XSGRKOGFydTdiRQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Fblob%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignDataStructures%2FMyHashMap.java)

13. Proxy Design Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbEF4MWEtc29mbU1hRFY4YXAwdF96c3Z3YklOZ3xBQ3Jtc0ttR0ZTY2E4M1hFNDhqU3ZQUDlId21IaUstbWIxeUxteS1CbFpuRjBCTVpzaWRHNkJTLVhFYVVDN1oyVGtyaWg3MEFFU0xXdmdrcnJxRkluRk5KWkpibzRjdU1md1l0enNVVkxBWnZMQXpVSlNwOTVmaw&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo33c5b7060d544b1c986e519dd3ba4d1b)

14. LLD of BookMyShow: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbVM5VTA1Y192bTgwN2s2X08zQS1mT19MUGhXZ3xBQ3Jtc0ttUmk1MGpNSXNROE41RWNfaEsyWWdwZVRsZlJRWUowRHFQbG42SUdaOG9oSFZjZWFQSUt5NW5lenJTZ0VwekdER294UTlDaVMzQm1KeVE3eVFscjBUbC1FTTZNYnhnQ2lRNGhRNjVWOWd6ZmcwczFoSQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignBookMyShow)

15. Notes Missing

16. Design Vending Machine: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbXo2VDMwRVhyM3d4QnhHM0hCTUtEVzg1bjk1d3xBQ3Jtc0trekVrYXgxaUtXbExOMWpqcHRPQ3U5X3NpdUR2UTRnNEw3ZE1ZeUZ0RDV4dWJ3UHpHaTN2S3VyRXhUWEEwR2s4U3QzcEUtNWFnbVhlMTlKajJubFFvY1ZoV3l1d2FzMHhwTGdrd2xLOVBwcElVUW51SQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignVendingMachine) and [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbUFlWHRIaDI5UWxMRGprUXVZeGFTMFhhMkRSUXxBQ3Jtc0tuU0VjTnJJMnJsdVRIVlNJdFFoeDh3OC1HbEtySHNKaUxUSk9YTVp2RGdxcFJmOV9uQ2xMVzJIZWpORjg4c2xXeEVTdkVTSmozVElRQXBBTnRkcXRQR3czZGl3Yjh6R1ZZWFV3b0RJTWtLOGJrckF1VQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietvc07e6ecf28d7409286145c16e623f9ed)

17. LLD of ATM: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa2V3Y0hlc3NjUlRlOU1TaFktQjFRUXpsZlZOQXxBQ3Jtc0tuRlMzQ3FkY3Q5RzNOVTZqR3pkZnFqbDE1S1dCaTlydG1VeVZucy1ERE10ZDhPd0tKR0cycG0wei1rODVPVWp5VzlJN1hwQWhFOTdfb1czYkh3eTUxRzdheGNiSXpEUE5oV204YzRYa3g5cnowaWVyYw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignATM)

18. Not applicable

19. Design File System using Composite Design Pattern: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbEtldlkzcDE2M0w3RVZyRXJLMGp5YUlYNV9VUXxBQ3Jtc0tsMkdUS2cyN1pZMFFSdldCWWpJOUJnTWl1eWNFdGZzX3Z4TWozVUtVY2dlVGg1bTdJZFZ5RGNvX1dhWlZldmNjcXZhNTNsd1U4clNrVG1ISkhUOTRCQTRVd011RDFkMkNPNExBWDdVNk9UZ25iVTdwOA&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignPatterns%2FCompositeDesignPattern) and [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa3d2UFlvNTFGcjNmN0hMOTFUM2ticEk2RVB2d3xBQ3Jtc0traHZ0Vzg1YkRISWZ0SlN5cFdvWWJJVUo1NlFiaW5nVFBtaHR2STJHWE9rdmdteDREV0pXVVEzZU1FSnY3REY5ZGQwUUtNNWlaYjlPRGFHOGh4X0gxS1JSX2xhZDUwQmdmTlBIdmdGS3R1YS1jcFVQNA&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo33c5b7060d544b1c986e519dd3ba4d1b)

20. Adapter Design Pattern with Examples: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa1BldzB0RjRxS3RFR0piVTk5cDVPY0F4NkQyZ3xBQ3Jtc0tuSFRvOWZTdE4tWFJrb245VmpHYmM4M184SGZGMDl4SkRYNk02QTduZktkaHVra3JNUFZ2RjNNb3otZUFFSmZYbmt5Q2NSTXh1ODFGYVZiaV9MQUdCUkxEU1ExV1FXc2trcDFkUXc2UHFUNXVhSmxlaw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignPatterns%2FAdapterDesignPattern) and [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa1BmMGhhaVJmWjFnd0VCUnNZcUdhLUI3RG9tQXxBQ3Jtc0tueHUxNWxWWE01MGtTeFo3bmEwelRMblVxX0gxTHo5NkxHMGNyRW1KTFQtR0xXdWh2WWZoZ3dKaWdsWF9TWl9HLWZVTm55UVhZNGs1c1JOQWp5UktCSXJkcGNnc2VfamJjUHFTaHR0NXFuVTZ6eWV5Zw&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo33c5b7060d544b1c986e519dd3ba4d1b)

21. LLD of Splitwise: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbjN4Q24wZFo5NHFIODZOckttYXU5YmotREhoQXxBQ3Jtc0ttV0R2RFFrc3ZWd1FrTVRMbTJzWHo1VkQ0SUVQTUxKR3VrWk1kR3k1dzBhS01qeVJpbmFZTXdqb3E5eDY2M2hNRXVIUXgtR2RReExsbks3UkpBTFkwdG5ESWlvTTA1TWVJRXBtenRsNWc4bnR5elllTQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignSplitwise)

22. Not Applicable

23. Builder Design Pattern: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa3Q1Z0FLdWsycV9qandSdTltWGU3Rnl0VF96UXxBQ3Jtc0ttVGZnUlVnYWI4TFFhbndxZjVwZ2o2TkpTYnYxdUtrLXNqSV9kRWUzSExWMUltMkhCcURqQ3hvMWgtcUc2VzQtRXhVMXpyTUtOXzZLcTVQNktwQjFOdFV6aVZoX0ZXbGt4NVJEVHhDYkswRGpGSHotUQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignPatterns%2FBuilderDesignPattern) and [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbnFhb3A5ZUxScFM3dzRjYWlJNmMyQWF5S3V1UXxBQ3Jtc0tsSm9rVC00bEdNcVJ2MXZIYnVsNUpaS2RkUkpDVVEyb0JBdklMbC15OXBTNUxaV05iSm9QdjhwU3BGckdOcHpxTWZra0lkeElSQmNISnNVSVR6ZjJQbTBnN1Y5UXJIUU1Vc3dLUHpKbTk0SHJZRkg2aw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Fblob%2Fmain%2Fsrc%2FLowLevelDesign%2FAll_Creational_Pattern-1_Screenshot.png) and [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa3pXYWtONkZtVDhDLWpiZnFPdFdYaGg0NTViQXxBQ3Jtc0ttOEVmLTY0dktNbDU2N1Z6QUxXR3RpZ0RocVdZMkIxbzVNZnlmT3NITjdLZGZJT0xaeWZBU0dzNHRxdVhLazR3YmlrMllxVEc2b09ZZmYta3N3RU5hSlZveV8zMnlZZk1iUDQydFBUdmluSENKd0lKbw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Fblob%2Fmain%2Fsrc%2FLowLevelDesign%2FAll_Creational_Pattern_-_2nd_Screenshot.png)

24. LLD of Cricbuzz: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqazJ5RVdPQ0doYm9SVnlGbGlwUWpjdXlmYkpzUXxBQ3Jtc0tuUTRCWDdHTG9xMmduUUFZMkRnemtiaTdoajk3LTRWSC0xRzJtamxWVWladXVIRk9oSFlrOS0yeEpDZllWRUE3c25tZUNLdnkzWkpDV3JHRFpUTXBNU3FJRjYyaUJjRkptNVBnUEFHcU5PVEhBWUpXYw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FLLDCricbuzz)

25. Facade design pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbVRaTFJMdXg1cEl3TXE1NzBFaVVQSkp2ZUpqQXxBQ3Jtc0trNGtkd1BQdlNfN002YkFZYXdsTXM2Ul9UX2lyMEcxUDhoN1B4ZTBIZVBKMUFlaE04eUlJOG1EVjJra1J0TWp3NFhUcGVtTFNuLW9SWnVJbzd2MnJEemt4Yjk4VDNNWTVuOG00eVBVeFQ1OXV0d3NoQQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo33c5b7060d544b1c986e519dd3ba4d1b)

26. Bridge design pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa3llWDFuQS1jV0VvQkVzekxnajAyMDkzUlZMZ3xBQ3Jtc0trQWgxVWJzTTVUcDJLaHFxdldiaFA2eHFHdUExM2hRV25nTlNuclAwZnRmRmZuZUZZNjRqQl80U0s2Z2xINW9HV0pQTHRZakZ5bUdjWERvQXVmdHZyNXVSNDV2VVhsaHhjcVBCWEZzYVUwbnpTWjNZTQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo33c5b7060d544b1c986e519dd3ba4d1b)

27. All Creational Design Patterns: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa1FVOU1wTWtMUGhjcjRNdnJ5YVlYSmhCWW5NUXxBQ3Jtc0tuaWJNOHlGaUtjZzE0UkdmdGwzbk9fSVhOcHQ5UnhLa3F4LWVad1I0UkRuNGR2UWF0X290d3lZVm1vNmdoTFJtM3BiQVhBcnZzTFUwSkFBVWJDYlZVcXFEYTlfUHlCNGhrdENsckk3a25NQ0poT2drWQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Fblob%2Fmain%2Fsrc%2FLowLevelDesign%2FAll_Creational_Pattern-1_Screenshot.png) and [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbC1LdjVsUmdBZWxlV1FfdUJ5Y0tZMVljemljd3xBQ3Jtc0tuREo2aExnanlQM3J2OXBYUFZIS3RPb2M2N2xHU3hVa0UtMS1RMHJoWmlOVUNPd2RCODNFTWJodlNXdFBOeDBPZV8wTXpKZGZuVVJ5Y1VVSko4VG1CUkFSOWt4eDJQc3ROaUlDSjBWNXVsU0VGYTBCVQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Fblob%2Fmain%2Fsrc%2FLowLevelDesign%2FAll_Creational_Pattern_-_2nd_Screenshot.png)

28. Not applicable

29. LLD of Inventory Management System: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa3hFek1nbHdodi0ycmY4OFd2UnppeGJlQ0FrQXxBQ3Jtc0tuSVNlMmoxQmNHcnI4UnBwekt1SWZYMTZ1anR0WDBic1lFVmljdVhUUmZlTnBSWVBIUEc4NTFfZFJqaE1KX2NMZG5nTTZLTXZVdXN4Rkh3UnBpdjVXTFVfMzF6QldMSTY0bnRHR3ROTjFnU2R4cUdKYw&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignOrderManagementSystem) and [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa042cGFxX3drcEhRczA5cHV0UnpULVUyNUNEUXxBQ3Jtc0tsNG05SlAzWHd3RFF4Q0dwS2dtcXVuMDFBdUNMSW9lQXdTSE5kSG1KMzFUS09xZXE3M1BPVWlYU0ZLeFd5MjUwbjFLd0twczRod0s5X2x1RS1vSVl5MkVkSFViamEtR2cyVUZmOF9lMVZkOGVKQ3o4VQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Fblob%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignOrderManagementSystem%2FUML.png)

30. Design Word Processor using Flyweight Design Pattern: [https://gitlab.com/shrayansh8/intervi...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbUVVY2lJTFIwMTZ6eDY0YVRfY01JR3RRcGMtd3xBQ3Jtc0tuVFBtZ0VkdFM1SDFIUXRUUEs5STRrRzFWcWZOcktMSDhNcWs5N0RKeFhQVFlNUExVU2VETUo3bkl3UWFXSmN0a2ZwLUtmMDIyb3Bwa2pWTXZfemROV0dRZkJpQmdVNmdSd3FCZ29HUFBBc3l3VXRDTQ&q=https%3A%2F%2Fgitlab.com%2Fshrayansh8%2Finterviewcodingpractise%2F-%2Ftree%2Fmain%2Fsrc%2FLowLevelDesign%2FDesignPatterns%2FFlyWeightPattern) and [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbmtab2dhaUQwSm5TYU5JQU53YUJTcG0yR2RkZ3xBQ3Jtc0trVWNNY1FteW10NGlWaXNmRnZyb0VJNllPY0tBSmJQejdVbGluSkNscUFjWVVpZkhNMEZYWDd4clAwMlItM19VYWxkQ2F3VTV2RGdkV29WdlQza0I3SjJiUHg5NlRjYzNoemVmVlVMVzhYY2tWTVYyUQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo33c5b7060d544b1c986e519dd3ba4d1b)

31. Design Undo, Redo feature with Command Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbE11aENoTWpTbmhUNGRYSDl4b2c4eHZyVEJtQXxBQ3Jtc0ttLUFUY3pPZzhTczhLWGtVblhmVkZYVVFvV2JMcWhKVzRUblE3Mk9UcVZ4SmM2azZMU0FtMGg0cm42NWh6NEtYMTJSbG5vWFkteDFlb2VfakJucGRobktZRmZoSGRuWTBwR3poZ0UwZWY5S29CNnZiVQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fu3i1s7022b343ebda42819272312415abb520)

32. All Structural Design Patterns: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbGkyaVdyUGxGejRqX0FpWjJzMWF0bDVHbWhOd3xBQ3Jtc0tsc2hfeE05WTJ6Z3Jxa183aF9SdFZBUFNtY0NPRmc1eEdZT29RblpvemlWWlByRVA1SVJrUDNNX1NHZkh1b0doNjI4NUZvOFh5bkphMEtIN3ZaUlo3S0VValV5ZU5UT19NaW9MZnN4Y1BydTczNXFDTQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo33c5b7060d544b1c986e519dd3ba4d1b)

33. Iterator Design Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbnp1aW1DWXptQmNpNmE2cXlpcEh4cWM3R2REZ3xBQ3Jtc0ttWFVnZ3Y5aEZKVV9UcEtvOGFJemhCblJMWUlxcVN5bFVnMnNKemZXU0V5d1lia3ktY0wyUFdxSEtrM2hwTm9VdlpNR2NIS1h2U3FtMjRwYW1MckhzR2FaU0hGdmg5ajVsSzFGR1pvZmZJQjBhVnNmQQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdoc98e8bf3884241e4ba22312a925a6db2)

34. Mediator Pattern : [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbFZBR29Lczd6bXlKa0tNWDVjRGgxMVN4SGZFQXxBQ3Jtc0tteEZLMFdYOE5iS0VtMk1ONlRMdVdZY2EyamVCcVhHZGpHS0ZqQUJYNXhrTnU5Rm1iT3B0bjIwWjdyelRVaVdDYzVWbnAxWkhRUnM0RGtINFA4MDVkMHgxeGVBT0RNQmVvWVByQXJkMm9SYUN1RHRoTQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietvc07e6ecf28d7409286145c16e623f9ed)

35. Not applciable - Interview question

36. Visitor Design Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbkNFc1ZXV08teEtoMFRfNnNGZExacnJIM3pZQXxBQ3Jtc0tuaXBvRi1leUpUQll3dTdhdFhobXR6WEZLdks1THVjcEtTT2NLV2Z6Y2lqanl0azl0UmdPNW40SHltaEdKQ1NwU01ianlLOV9oazF3OWV3eTZ3UHRPangtRkVTOHVQNnlETlRfTnA4dUthVGQ2WngwTQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo7a52b1936e404254ab8825d8c12a0487)

37. Notes missing

38. Memento Design Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbGRGMEFXMkFqYlA3YnprdjcwYjA5bzV4ZW11Z3xBQ3Jtc0tteWpwa3oyellJWlExQUNqOGFoLUZTY2VxdkRKcGtEakU5N0pTaFlNTzRucXNoLVZxYUFoMHNHeURFLTBmcEJKVlVUV2JxX0YtNl9qTXVqZ3prc1NwMjE2SU5CbzZWZVBXRTJJVTg4T25DQy1DWVJfZw&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo731a02767be840f4a81c55515cc3c8f0)

39. Template Method Design Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbTNCaWZFU3lkY3ktb1RwUTk2Szl0eEt0X2tiZ3xBQ3Jtc0treFpwUG1qWl9vd1NDV283bVFQbUxoU1ZkaTAtVmhSa0R3dkF5V3VZLXhyVjF6YWpqZ3cyLVI5Si1NUzFRWms0NmloSk9tWEhLRmVPYjdjMEJBMzlZQ2ZkaUYwMzRXbkhxWVJiZHAyV3l6Zm0yMGJkWQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo42f55986906f4882b69fb64c628ae209)

40. Interpreter Design Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa3AwNU15WjFBUGNTSkk4OU1qd1F5eUNTUkxDQXxBQ3Jtc0ttMUYyc0ZiUm9BMnJWa2JoaWR4TWNMZktLSTVMNjFRVUIwa3BoY1k2bE9ybHlVcUxKdUZOQWw5aEtFN3NDbXFkVXgwZ2FyblVKSnI0U2pNN0h5U1RrcGNvVjFpMXBBRkRoMGNtbk5rZTBmVHRSUFoyNA&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo9c0a25404d6d49a5b679cfe90ed19d48)

41. LLD of Payment Gateway: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa3owWUtpUDlzZ3VNYzRqcjlIYWtaeGJRUW9GZ3xBQ3Jtc0trUUUwb1VjRVh2b2ZSbmpTNm1Db2ZtaWF3Y285ektjQl9tVVA0TUdRcGpzXzIzN3l0QXFueUQwNGtJQUtEOS1XbEJqZTI3TVVlX2dQdGs5aW55WVFXRjBVTnNsR0dSSHFucS01em51MmFNY3hZS2htbw&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietv6993f5a023ec4e9f89436149ac3ed2f7)

42. Object Pool Design Pattern: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbkczVGstMmV4cDJZeElzN2QxYjFtamxFd2VTd3xBQ3Jtc0ttakJCeDBWNXhScGYyU0ZVTVJWa0k5S0NVVjZnMkJWR2FpQ2ZKazF6V1c1b1kwaWdOTXpyM1d4WTV5cEdzWF9BSWtWSTRhMnhYOV9xd3NsRlBDSEVtNmNyOHJfVDZlNHhwWTlRNmNhUUs1QWtjZ3YySQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fdcr5za494c035adb441818e2bc20485b4de58)

45. All behavioral pattern

https://notebook.zohopublic.in/public/notes/bietvc07e6ecf28d7409286145c16e623f9ed

**HLD**

1. Notes missing

2. Notes missing

3. Notes missing

4. Notes missing

5. Notes missing

6. Notes missing

7. Notes missing

8. Notes missing

9. Notes missing

10. Notes missing

11. Notes missing

12. Notes missing

13. Notes missing

14. Notes missing

15. Notes missing

16. Distributed Messaging Queue: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbG8xeElSM2ZhY3JudGF1RHZhN2tJemxTd3NjZ3xBQ3Jtc0tudzFqbjF6S0k3VUdHcmYtVEpWN0dpSTdQZkZ3Z0dIa21kSXpYUFNtUWdDQzdrTWVLdTV2ejBBVFNUb0ZNbFgxRU5MUDlEc0xTeFZFTlQyUllWSWl4WUpfb1dkTEh4VzJZYXd6QWNUcTA2QUxWSi1nQQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fu3i1s522a981ed32d48bcbb0b940ee3d58f22)

17. Proxy vs Reverse Proxy: Notes missing

18. Load Balancer & Different Algorithms: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbHhyckRGQ3R2RGprVkpENm4xRG9HS2Fhemgxd3xBQ3Jtc0tseHljNl9qNnFEU2FBLU9DallESVBJcjYtVEd3QW9VaXRqM3FOVGRleTBwNHNGeVdWaG80Qzh5YTJ5WFFFNk5Cd3BQelQ5TzJlbS0wWUpzdUJGeEZldUtSUjktSjNIaXF2SzQtSGZKc3FFSTllTjR4Zw&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fu3i1s15cb99da63b248e6a87bbbaaaef17751)

19. Distributed Cache and Caching Strategies: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbVJrTjE5a3N5WXhidDJMck9RUWFBN0UtdElxZ3xBQ3Jtc0tscG9mZWd1cDZyNGNmbHhSS0FrY3FrWFpZYjl0a280LTJLTUhlR2FDUWFjWEZRSlVJWXlqaEVOVlZIRlB5cFJ0VnV6NGM4NWVYUURhd2FBWlZ4NFZnZDZMTzdYUVFwX05aNFV4Y054UGxBMFR4Y29pOA&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fu3i1s6d12db6764b94cff9ad7f4ddef5b5348)

20. Handle Distributed Transactions: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbjJ2MFJYblV5ckt2TjJud0ctNlkyNm45bmdRQXxBQ3Jtc0ttbkp4VWtuYnpGU3Bwa2tkNWxiNmsxeWtrRXlkR2R5VG9XdEh1STJ5bVdnbEMxbGJGMG14U0g4MFJVRTh4MEVKQmIzZTFSVk9LRG5rd1ZBU21sNVltMzZXUHdKVU9Zb1otNmxBY1JQQTNabVlwS2ZwVQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fu3i1sc0949c83b482441887cc4eba8031560e)

21. Database Indexing: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbjRSRnRDcTE3Q0VZcmtSbGxVanVyRFNrQnFMQXxBQ3Jtc0ttWTNWZi0yRE1wT2toNmI5QkZ3VEl1cjV0dzVSTXNFRFk2UFdVTnBCN29SWUZlSVlaLWpxdVJvNHZ6V3Bfb0poOG1ER0Q0VDBPTGIxYmxmbWNqa3ZReThxWnVaZGh1cWpUQnpIQlAzWkViYWE4dVRDbw&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdo7871dd86eb99414bb94d8737a8b73b84)

22. Concurrency Control in Distributed System: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqa1k5Zm81N0lKXzh3MEQxc1pBQ2hwcWNKdjZ0d3xBQ3Jtc0tuNjNWeGpYc1JCVmdpM2l1dHNidndmd0QyMEhndDQzQUNMOE0tSTlsd2JIcGlfeU44SXN1T3Y2YlMwcEJUTjB1d1dORHF5aXNlYUNJUUpWYmlWbGw0czZKaFNUQmctZ0h1MkE1aXRNNTRNMGRSX3pUTQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fu3i1s8441ef17edee467bb020cc6974b3d7f9)

23. Two Phase Locking (2PL): [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbjlKREVPSHY3bm05MVJCRmZKVWZOa3o3SjBBQXxBQ3Jtc0tsYjREaFQxbVBReDBla1ZUY3p6d0lGNHZ5XzdFNmo4cUQzVlFQZ0dMMERReW55WWd2akdkckpzOXFHLUJNdW4xSHhiTE9iTkROT2VDWFJPRV8taGNxbmE4NDFybVpDQllNcHBnb19vTW5zWm5HWFFaZw&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2F74tdoc7e4be4e091e4005916a9721b69ee7b3)

24. OAuth 2.0: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbDR4TWNSRHpZTXJXWDlhOUd6Z1Q0LTk1ellxd3xBQ3Jtc0tuS0tsUHM1X0x0UEs2OGxtUThzT19sanBuUEUtdzlLdjk2TkxLQ1JJZjRZU1FrWjJPM3V3N0ZaMk4yUTFFcjNfMnY4U0FqcFZlVThOTEJoaWtTeHIwSi1TMXJ0OFhnQ1FKVkRfdTJsdG1oaG4wSTFqbw&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietv949cfd82a5804e0ea1d18400d3ff6fa3)

25. Symmetric & Asymmetric Encryption: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbWEwRWtnbFBCTXVTRUxHUFZrU2dQWXpxMmVRd3xBQ3Jtc0traGQycE53UXNRMl9RRTFVajlUN2o0RUx0dzFEUzlYeW5OZk5oblFoWW9wR29jbDZUYWxEVEVFOEw3QlpDY3ZhcHJkTjVxcWJJWWRBQXJxR21mRnRReDlORnFUc0dISmxDUTNZWnd2VTlUa1g1Y3BMRQ&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietvf603d76e50a04c989bb3522c763be0ee)

26. JWT Explained: [https://notebook.zohopublic.in/public...](https://www.youtube.com/redirect?event=backstage_event&redir_token=QUFFLUhqbWJibzY0bGdQaVlxb3luWHZBd0dUS2hUaW5FQXxBQ3Jtc0tsQmZua3pqMHQxeHFNM3F1OEVVcmhxQjVRQy0yTm16aUZTY3R0dEJMNmhScnFMLUZYdDdkMXc1eHd2aGxqcVBibUNHTG56S3pGaXBSeVNrMDFFOG5fM0JLWjNqT3h4eTBtb0tVRHZfRWc3dVBsdTBHOA&q=https%3A%2F%2Fnotebook.zohopublic.in%2Fpublic%2Fnotes%2Fbietvcd2cffdd8c7d449c839c007fecf8d562)