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| System Analysis and Design | |
| **SOURCE: 02** | **System Analysis and Design** | |
| 01 | [Introduction, Definition and Characteristics of System](https://www.youtube.com/watch?v=lGe74JlhG7I&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=1&pp=iAQB) | |
| 02 | [Elements of System with Notes](https://www.youtube.com/watch?v=3s2W5mrem_s&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=2&pp=iAQB) | |
| 03 | [Types of System with Notes](https://www.youtube.com/watch?v=PMNZKyZUtAY&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=3&pp=iAQB) | |
| 04 | [System Analyst Skills and Responsibilities with Notes](https://www.youtube.com/watch?v=PpDxxd7-Vl8&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=4&pp=iAQB) | |
| 05 | [System Development Life Cycle SDLC with Notes](https://www.youtube.com/watch?v=CtNXNfxvpIM&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=5&pp=iAQB) | |
| 06 | [Requirement Analysis with Notes](https://www.youtube.com/watch?v=l3KLo9dZYf8&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=6&pp=iAQB) | |
| 07 | [Feasibility Study with Notes](https://www.youtube.com/watch?v=x7Lg0v2Q9gs&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=7&pp=iAQB) | |
| 08 | [Information Gathering Tools Part-1](https://www.youtube.com/watch?v=TQoYSjYXK7I&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=8&pp=iAQB) | |
| 09 | [Information Gathering Tools Part-2](https://www.youtube.com/watch?v=XGEcM6LsZV0&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=9&pp=iAQB) | |
| 10 | [Cost Benefit Analysis with Notes](https://www.youtube.com/watch?v=9Iw83T9lguc&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=10&pp=iAQB) | |
| 11 | [Input Design](https://www.youtube.com/watch?v=MxzxfLDuvCc&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=11&pp=iAQB) | |
| 12 | [Output Design](https://www.youtube.com/watch?v=NNP8t9Mbpq4&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=12&pp=iAQB) | |
| 13 | [Introduction to Modular and Structural Design](https://www.youtube.com/watch?v=JZRbU68_r-o&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=13&pp=iAQB) | |
| 14 | [Top Down, Bottom Up Approach, Module Attributes and Types](https://www.youtube.com/watch?v=LRSVAOKI0T8&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=14&pp=iAQB) | |
| 15 | [Tools for Structured Design](https://www.youtube.com/watch?v=1VN5NJwC6o0&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=15&pp=iAQB) | |
| 16 | [Design Considerations](https://www.youtube.com/watch?v=DaDkZGmKqEM&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=16&pp=iAQB) | |
| 17 | [Coupling and Its Types](https://www.youtube.com/watch?v=CyAo5yqVQ1g&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=17&pp=iAQB) | |
| 18 | [Coupling](https://www.youtube.com/watch?v=XzKUHmmVa9c&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=18&pp=iAQB) | |
| 19 | [Cohesion](https://www.youtube.com/watch?v=6zqRGe7r-6A&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=19&pp=iAQB) | |
| 20 | [Relationship Between Coupling and Cohesion](https://www.youtube.com/watch?v=NO5t3UDKBuU&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=20&pp=iAQB) | |
| 21 | [Introduction to Testing](https://www.youtube.com/watch?v=CqOgG3sYlCs&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=21&pp=iAQB) | |
| 22 | [Types of Testing Part-1](https://www.youtube.com/watch?v=aLPBHdUhvvU&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=22&pp=iAQB) | |
| 23 | [Types of Testing – Functional Testing](https://www.youtube.com/watch?v=vTMawO88AKQ&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=23&pp=iAQB) | |
| 24 | [Types of Testing – Non-Functional Testing](https://www.youtube.com/watch?v=UztWCIMtkto&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=24&pp=iAQB) | |
| 25 | [System Testing](https://www.youtube.com/watch?v=C78mYypf45I&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=25&pp=iAQB) | |
| 26 | [System Implementation](https://www.youtube.com/watch?v=QgAUHwE2Cf0&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=26&pp=iAQB) | |
| 27 | [Quality Assurance](https://www.youtube.com/watch?v=GkIv-kU20fs&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=27&pp=iAQB) | |
| 28 | [Documentation](https://www.youtube.com/watch?v=xebw9ytLmIQ&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=28&pp=iAQB) | |
| 29 | [Concept, Importance and Types of System Maintenance](https://www.youtube.com/watch?v=6lJYGoFflbM&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=29&pp=iAQB) | |
| 30 | [System Flow Chart](https://www.youtube.com/watch?v=_4d6hTC0kBQ&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=30&pp=iAQB) | |
| 31 | [Data Flow Diagram (DFD)](https://www.youtube.com/watch?v=P9BmrP70Jqc&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=31&pp=iAQB) | |
| 32 | [Data Dictionary](https://www.youtube.com/watch?v=0mT6wegAFfc&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=32&pp=iAQB) | |
| 33 | [Decision Tree](https://www.youtube.com/watch?v=v7X9EVrseAw&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=33&pp=iAQB) | |
| 34 | [Decision Table](https://www.youtube.com/watch?v=-pAMeaWG7Ac&list=PLi81x6d2Os_8Sa8HifiFruWK6wmgG3Wrg&index=34&pp=iAQB) | |
| **SOURCE: 03** | **System Analysis and Design** | |
| 01 | [What is System Analysis | What is System Design](https://www.youtube.com/watch?v=kuy3lj2zGfI&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=1&pp=iAQB) | |
| 02 | [What is System | Elements of System](https://www.youtube.com/watch?v=zHORyOGONU8&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=2&pp=iAQB) | |
| 03 | [What is System | Types of System in SAD](https://www.youtube.com/watch?v=oTN3CqknqIw&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=3&pp=iAQB) | |
| 04 | [Who is System Analyst | His Qualities, Role and Responsibilities](https://www.youtube.com/watch?v=aM0V8FiCyws&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=4&pp=iAQB) | |
| 05 | [What is SDLC | Phases of SDLC | Importance of SDLC](https://www.youtube.com/watch?v=LmN7m4bERtM&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=5&pp=iAQB) | |
| 06 | [What is Feasibility Study | Types of Feasibility Study](https://www.youtube.com/watch?v=bgOKpmtff3k&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=6&pp=iAQB) | |
| 07 | [What is SRS Document | Feature or Characteristics of a Good SRS](https://www.youtube.com/watch?v=jxLDCNRvBu4&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=7&pp=iAQB) | |
| 08 | [What is Structured Analysis | What is Structured Design](https://www.youtube.com/watch?v=YM_mrcvQbFA&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=8&pp=iAQB) | |
| 09 | [What is Data Flow Diagram (DFD) | Types of DFD | Levels of DFD](https://www.youtube.com/watch?v=Y7S3sKB--5Q&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=9&pp=iAQB) | |
| 10 | [What is Data Dictionary | Types of Data Dictionary and Advantages](https://www.youtube.com/watch?v=YflikN1VJ50&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=10&pp=iAQB) | |
| 11 | [What is Entity Relationship Diagram (ERD) | What is ER-Model](https://www.youtube.com/watch?v=YsNnDPjmAPs&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=11&pp=iAQB) | |
| 12 | [SDLC Models | What is Waterfall Model | Advantages and Disadvantages](https://www.youtube.com/watch?v=OUXfAls-P1Q&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=12&pp=iAQB) | |
| 13 | [What is Iterative Model | When to Use | Advantage and Disadvantage](https://www.youtube.com/watch?v=Eu1Sq3ekxW8&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=13&pp=iAQB) | |
| 14 | [What is Prototype Model | When to Use | Advantage and Disadvantage](https://www.youtube.com/watch?v=vrjfPY98bak&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=14&pp=iAQB) | |
| 15 | [What is Spiral Model | When to Use | Advantage and Disadvantage](https://www.youtube.com/watch?v=xXfKCIYufMY&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=15&pp=iAQB) | |
| 16 | [What are Information Gathering Tools](https://www.youtube.com/watch?v=DvLpWvxa35c&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=16&pp=iAQB) | |
| 17 | [Cost Benefit Analysis | Perform Cost Benefit Analysis](https://www.youtube.com/watch?v=534lEmL6CtM&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=17&pp=iAQB) | |
| 18 | [Decision Tree | Decision Table](https://www.youtube.com/watch?v=c7np18s7H8Y&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=18&pp=iAQB) | |
| 19 | [Software Testing | Need of Software Testing and Importance](https://www.youtube.com/watch?v=u19Sjj4hLeg&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=19&pp=iAQB) | |
| 20 | [Types of Software Testing | White Box Testing | Black Box Testing](https://www.youtube.com/watch?v=609XMG51VZQ&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=20&pp=iAQB) | |
| 21 | [Functional Testing | Non-Functional Testing](https://www.youtube.com/watch?v=dHMY-7pSZ3Y&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=21&pp=iAQB) | |
| 22 | [What is Software Design | Basic Principle of Software Design](https://www.youtube.com/watch?v=1-Lo0127nyI&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=22&pp=iAQB) | |
| 23 | [Coupling and Cohesion](https://www.youtube.com/watch?v=Sku73xdulG0&list=PLWxTHN2c_6cbuRXdCpsYYMxy0N4SSfIX9&index=23&pp=iAQB) | |
| **SOURCE: 01** | **System Analysis and Design** | |
| 01 | [Project Initiation](https://www.youtube.com/watch?v=G8ZfiO0hj5A&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=1&pp=iAQB) | |
| 02 | [Feasibility Analysis](https://www.youtube.com/watch?v=47ssXvPjIuY&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=2&pp=iAQB) | |
| 03 | [Project Selection](https://www.youtube.com/watch?v=x_sh0l1hAa8&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=3&pp=iAQB) | |
| 04 | [Development Methodologies](https://www.youtube.com/watch?v=6-GbY4Asgf8&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=4&pp=iAQB) | |
| 05 | [Project Management](https://www.youtube.com/watch?v=y8fNhliftV4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=5&pp=iAQB) | |
| 06 | [Managing the Schedule](https://www.youtube.com/watch?v=kgI4Cq3bKOo&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=6&pp=iAQB) | |
| 07 | [Managing Scope and Risk](https://www.youtube.com/watch?v=hAVZMLbXCog&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=7&pp=iAQB) | |
| 08 | [Managing Team Work](https://www.youtube.com/watch?v=VMnjOk0VO_s&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=8&pp=iAQB) | |
| 09 | [Analysis Phase](https://www.youtube.com/watch?v=7vKuE38Djhc&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=9&pp=iAQB) | |
| 10 | [Requirement Types and Documentation](https://www.youtube.com/watch?v=qoke10y2QKA&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=10&pp=iAQB) | |
| 11 | [Requirement Gathering Techniques](https://www.youtube.com/watch?v=NxUDV0ShSvQ&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=11&pp=iAQB) | |
| 12 | [Requirement Analysis Strategies](https://www.youtube.com/watch?v=IZxmQ5YnAtI&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=12&pp=iAQB) | |
| 13 | [What is a Use Case](https://www.youtube.com/watch?v=vf5qn-tNU4A&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=13&pp=iAQB) | |
| 14 | [Approaching Use Case Analysis](https://www.youtube.com/watch?v=dAre_rDohAc&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=14&pp=iAQB) | |
| 15 | [Use Case Elements and Styles with an Example](https://www.youtube.com/watch?v=KRBqeRZnvAk&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=15&pp=iAQB) | |
| 16 | [Vision for Data Flow Diagrams and ER-Diagram](https://www.youtube.com/watch?v=n67FF0_Fsno&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=16&pp=iAQB) | |
| 17 | [Elements of a DFD](https://www.youtube.com/watch?v=StwBh8iQkEs&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=17&pp=iAQB) | |
| 18 | [DFD Levels and Checking Quality](https://www.youtube.com/watch?v=SNPqm59WPkk&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=18&pp=iAQB) | |
| 19 | [Design Phase Overview](https://www.youtube.com/watch?v=m9BM-rK7GZ8&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=19&pp=iAQB) | |
| 20 | [Acquisition Tools](https://www.youtube.com/watch?v=7bRMC_r7u-w&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=20&pp=iAQB) | |
| 21 | [Acquisition Strategies](https://www.youtube.com/watch?v=dOy-GLXCdwg&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=21&pp=iAQB) | |
| 22 | [Architecture Design](https://www.youtube.com/watch?v=4ZZVo2YPkIg&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=22&pp=iAQB) | |
| 23 | [Non-Functional Requirements Revisited](https://www.youtube.com/watch?v=Fy0y9Ui7MA4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=23&pp=iAQB) | |
| 24 | [HW-SW Specification](https://www.youtube.com/watch?v=-N7p7L2e7A8&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=24&pp=iAQB) | |
| 25 | [UI Principles](https://www.youtube.com/watch?v=4ZKu48s6AOw&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=25&pp=iAQB) | |
| 26 | [UI Design Process](https://www.youtube.com/watch?v=21KVMEGK328&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=26&pp=iAQB) | |
| 27 | [Navigation Mechanism](https://www.youtube.com/watch?v=mOdcVyxvAI4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=27&pp=iAQB) | |
| 28 | [Input Output Mechanisms](https://www.youtube.com/watch?v=DMPxxijmG7M&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=28&pp=iAQB) | |
| 29 | [Logical To Physical](https://www.youtube.com/watch?v=ztlQvpS4QHk&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=29&pp=iAQB) | |
| 30 | [Program Design](https://www.youtube.com/watch?v=czBFiEsvAPM&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=30&pp=iAQB) | |
| 31 | [Moving to Implementation](https://www.youtube.com/watch?v=6j_coDIgrTw&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=31&pp=iAQB) | |
| 32 | [Managing The Programming Process](https://www.youtube.com/watch?v=HzuWd-zgAc4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=32&pp=iAQB) | |
| 33 | [Software Testing](https://www.youtube.com/watch?v=SSqiAAvAYbA&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=33&pp=iAQB) | |
| 34 | [Documentation](https://www.youtube.com/watch?v=dP4nvxZ3eZ4&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=34&pp=iAQB) | |
| 35 | [Post-Implementation](https://www.youtube.com/watch?v=T7ltS5lgayA&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=35&pp=iAQB) | |
| 36 | [Migration](https://www.youtube.com/watch?v=xEyYm6WU_Wg&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=36&pp=iAQB) | |
| 37 | [Conversion Strategies](https://www.youtube.com/watch?v=oaQHAPzuqLQ&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=37&pp=iAQB) | |
| 38 | [Change Management](https://www.youtube.com/watch?v=E3IGuGcKTtg&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=38&pp=iAQB) | |
| 39 | [Characteristics of the OO Approach](https://www.youtube.com/watch?v=i--fs4l9U_M&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=39&pp=iAQB) | |
| 40 | [UML](https://www.youtube.com/watch?v=fkmW2w4-_lE&list=PLCLbf8d2YbrUMKdKR9QLsTvx4_hwrZeNS&index=40&pp=iAQB) | |