Requirements Gathering • In this phase, overall planning of the project is done about the requirements of the development, this is done by senior members. Defining • Planned requirements are now written in a structured manner in a document known as Software Requirement Specification (SRS). Design • Based on the requirement given in SRS, multiple design for the project are proposed and documented in Design Document Specification (DDS). • DDC is reviewed and best design is considered for the project. Testing • In this phase, the product is tested for bugs or desired results using methods like unit testing and integrating testing. Deployment • The product passed successfully from all previous phases and now ready for deployment in Interconnectedness of Phases The SDLC phases are not linear and iterative. Information and feedback from later phases can influence earlier phases. For example, during testing, if a bug is found, it may be necessary to go back to the design or implementation phase to fix it.