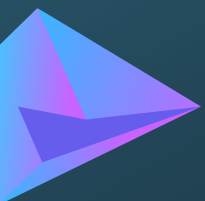


Devstringx Technologies



About Us

Devstringx technologies is a software development company. provides software development services in India. Our headquarter is located in Noida, & another branch is in DE, USA. We started our journey in 2014, Now we have 200+ quality & certified engineers team to test & develop your product. Our services will help to reduce the cost and reduce the capital investment at the outset.

What is SDLC?

SDLC is a process followed for a software project, within a software organization. It consists of a detailed plan describing how to develop, maintain, replace and alter or enhance specific software. The life cycle defines a methodology for improving the quality of software and the overall development process.



How was the SDLC created?

In the 1950s and 1960s, computer science progressed rapidly. This swift evolution sparked the beginnings of a production framework that eventually grew into the SDLC we know today.

Prior to the 1950s, computing was not elaborate enough to necessitate a detailed approach like the SDLC. As the complexity and scale of programming grew, the concept of structured programming emerged. Over time, structured programming demanded more tactical development models, thus sparking the beginnings of the SDLC.



A typical Software Development Life Cycle consists of the following stages

Stage 1: Planning and Requirement Analysis

Stage 2: Defining Requirements

Stage 3: Designing the Product Architecture

Stage 4: Building or Developing the Product

Stage 5: Testing the Product

Stage 6: Deployment in the Market and Maintenance



Planning and Requirement Analysis

Requirement analysis is the most important and fundamental stage in SDLC. It is performed by the senior members of the team with inputs from the customer, the sales department, market surveys and domain experts in the industry. This information is then used to plan the basic project approach and to conduct product feasibility study in the economical, operational and technical areas.

Planning for the quality assurance requirements and identification of the risks associated with the project is also done in the planning stage. The outcome of the technical feasibility study is to define the various technical approaches that can be followed to implement the project successfully with minimum risks.



Defining Requirements

Once the requirement analysis is done the next step is to clearly define and document the product requirements and get them approved from the customer or the market analysts. This is done through an SRS (Software Requirement Specification) document which consists of all the product requirements to be designed and developed during the project life cycle.



Designing the Product Architecture

A horizontal bar with a gradient from cyan to purple to pink.

SRS is the reference for product architects to come out with the best architecture for the product to be developed. Based on the requirements specified in SRS, usually more than one design approach for the product architecture is proposed and documented in a DDS - Design Document Specification.

This DDS is reviewed by all the important stakeholders and based on various parameters as risk assessment, product robustness, design modularity, budget and time constraints, the best design approach is selected for the product.

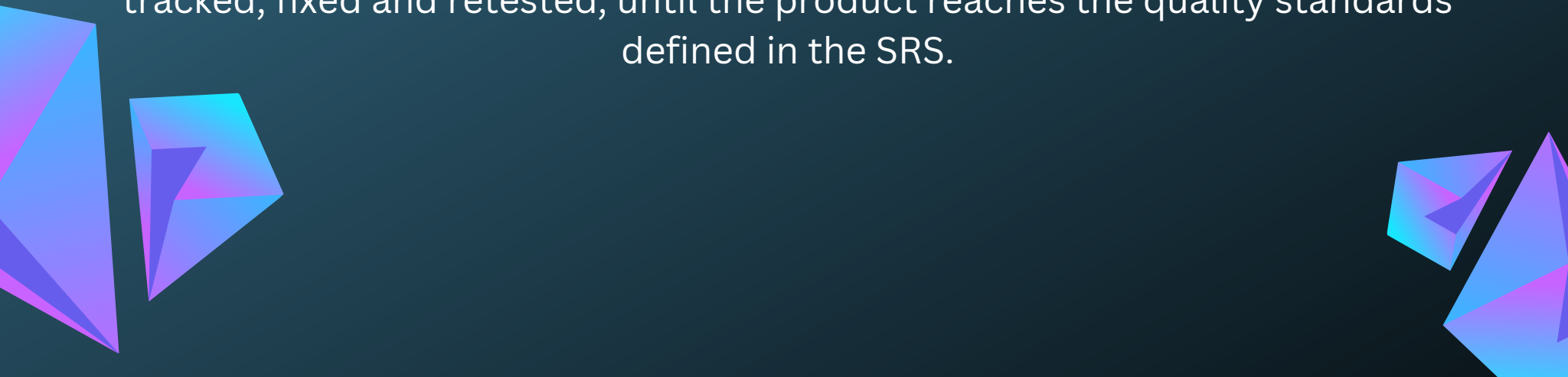


Building or Developing the Product

In this stage of SDLC the actual development starts and the product is built. The programming code is generated as per DDS during this stage. If the design is performed in a detailed and organized manner, code generation can be accomplished without much hassle.

Testing the Product

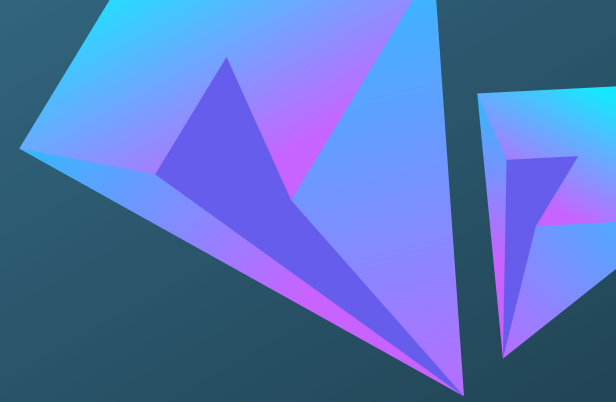
This stage is usually a subset of all the stages as in the modern SDLC models, the testing activities are mostly involved in all the stages of SDLC. However, this stage refers to the testing only stage of the product where product defects are reported, tracked, fixed and retested, until the product reaches the quality standards defined in the SRS.

Decorative geometric shapes in shades of blue and purple are located in the bottom-left and bottom-right corners of the slide.

Deployment in the Market and Maintenance

Once the product is tested and ready to be deployed it is released formally in the appropriate market. Sometimes product deployment happens in stages as per the business strategy of that organization. The product may first be released in a limited segment and tested in the real business environment (UAT- User acceptance testing).





Contact Us



www.devstringx.com



+1 650 209 7815



16192, Coastal Highway, Lewes,
Delaware - 19958, USA

Thank You
