

Day 3 SDLC Overview

[Youtube Link](#)

Six Phases of the SDLC Life Cycle:

1. **Initiate-** Initiation of the project in which high level business and IT teams discuss the need for the product that needs to be developed to address an issue within the organization and/or affect the bottom line.

Input:

- Problem faced by the organization
- Strategic value added to the bottom line

Output:

- Green signal for the project
- Development of Charter Document or Scope & Plan Document

Who is involved:

- Senior level Business and IT personnel

2. **Define-** The Business Analyst will gather requirements from subject matter experts and use them to define the product.

Input:

- Charter Document or Scope & Plan Document

Output:

- Requirement Document
- Project Plan
- Test Plan

Who is involved:

- Business Analyst
- Project Manager
- QA Lead
- Development Team
- Subject Matter Experts (SME's)

3. **Design-** Designing the solution through use case modeling and visual modeling of the defined product requirements.

Input:

- Requirement Document
- Project Plan
- Test Plan

Output:

- Design Document
- Functional Design Document
- Technical Design Document
- Updated Project Plan
- Updated Test Plan

Who is involved:

- Business Analyst
- Project Manager
- QA Lead
- Development Team

4. **Build-** Coding of the software based on the technical design specifications. The Development Team develops the product and the QA Team creates test cases which gives step by step instructions about how to test particular features of the product.

Input:

- Functional Design Document
- Technical Design Document

Output:

- Product
- Unit Testing Results

Who is involved:

- Development Team
- QA Team

- 5. Test-** Testing of the product by the QA Team using the test cases that were built during the build stage to test the operational features of the product. User Acceptance Testing (UAT) will also happen in this phase, where selected end users test the product by going through various user flows to confirm that the product features are operational.

Input:

- Test Cases

Output:

- Unit Testing Results

Who is involved:

- Development Team
- QA Team

- 6. Deployment-** The tested product is moved into a production environment to be used by end users. If there are any issues they will be captured accordingly by the Business Analyst, updated or fixed by the Development Team, tested by the QA Team and deployed back into production.

Input:

- Unit Testing Results

Output:

- Deployed Product into the Production Environment

Who is involved:

- Infrastructure Team
- Project Manager