

WELCOME TO OUR FIRST SOFTWARE DEVELOPMENT LIFE CYCLE CLASS

CONTENTS -SDLC

- -SDLC TEAM
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TECHPRO

Hardware y Software

Hardware:















Microsoft



Power Point



Microsoft Excel



Microsoft Access



Microsoft Word





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SOFTWARE DEVELOPMENT LIFE CYCLE



SDLC TEAM

- Project manager (PM)
- Business Analyst (BA)
- Developer (Dev)
- Quality Analyst (QA)



PROJECT MANAGER (PM)

- The project manager is accountable for ensuring that everyone on the team knows and executes his or her role, feels empowered and supported in the role, knows the roles of the other team members and acts upon the belief that those roles will be performed Responsibilities:
- Developing the project plan
- Managing the project stakeholders
- Managing Communication
- Managing the project team
- Managing the project risk
- Managing the project schedule
- Managing the project budget
- Managing the project conflicts
- Managing the project delivery



BUSINESS ANALYST (BA)

• A Business Analyst is someone who analyzes an organization (real or hypothetical) and designs its processes and systems, assessing the business model and its integration with technology.

Responsibilities:

- A bridge between the business problems and the technology solutions.
- Requirements management and communication.
- Translating and simplifying requirements.
- Creates Business Requirement Document (BRD) what must be delivered to provide value.
- Create Functional Requirement Document (FRD) defines a function of a system or its component.
- Creates use cases after gathering and validating a set of functional requirements.
- Creates flow chart of the processes.

DEVELOPER (DEV)



• Developer is a person who writes computer software. As we understand they develop the codes.

Responsibilities:

- ► Gather customer software requirements and develop related software applications and programs.
- Develop and write high quality coding that meets customer requirements.
- Create software documentation and update existing documentation.

QUALITY ANALYST (QA)



- A software quality analyst is responsible for applying the principles and practices of software quality assurance throughout the software development life cycle.
- A quality analyst helps ensure that an organization's products or services meet its quality standards.
- ► The quality analyst (QA) is in charge of ensuring that the application is built according to the plan.
- ► The analyst is in charge of testing the applications to ensure that the application will work according to the expectation of users and businesses.
- The errors in the application should be found by the analyst so that software developers could work on the errors until the application works without any difficulty.
- Aside from testing if the application is actually working, the quality analyst should also ensure that stages in developing the application are followed.
- Testing is used to detect errors in a product.

QUALITY ANALYST (QA)

Roles and Responsibilities:

- Analyzing client requirements
- Understand the software application being tested
- Prepare test plan and test strategy
- Preparing test scenarios / test cases
- Preparing test data (used for test cases)
- Executing the test cases
- Defect tracking
- Perform necessary retesting
- Providing defect information (for developers)
- Preparing report summaries
- Conducting review meetings within the team

Dealing With Bugs



GLOSSARY

- SDLC => Software Development Life Cycle
- PM => Project Manager
- BA => Business Analyst
- Dev => Developer
- QA => Quality Analyst
- BRD => Business Requirement Document
- ► FRD => Functional Requirement Document