

CMSC 128

Introduction to Software Engineering

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03 – Software Development Team



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CMSC 128

Introduction to Software Engineering



CMSC 128 **Introduction to SE**

- **Software Development Team**
- **References**
- **Credits**



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Software Development Team



Software Development Team

- A software development team is typically composed of the following people:



Software Development Team

- ◉ Project Manager
- ◉ Team Leader
- ◉ Business Analyst
- ◉ Developer
- ◉ Designer
- ◉ Quality Assurance/Tester



Software Development Team

CHALLENGE!

Match the roles mentioned in the previous slide with these individuals:

Mam Kei, Mam Kat, Mam Berna, Mam Dja, Sir Clinton, Sir Reg



Software Development Team

Project Manager (PM) (1/2)

- ◉ **Setup administrative direction for the project**
- ◉ **Lays out the initial scheduling and project goals**
- ◉ **Listens to feedback from end users and Business Analyst**



Software Development Team

Project Manager (PM) (2/2)

- ◉ Setup project meetings and resources
- ◉ Determines project scope
- ◉ Responsible for documents such as SRS



Software Development Team

Project Manager (PM)





Software Development Team

Team Leader (TL) (1/2)

- Leads the developer in creating a module, software or application.
- Coordinates in other team leaders and with the project manager.



Software Development Team

Team Leader (TL) (2/2)

- Key point personnel in the managing the pacing of the team in terms of development.
- Suggests and/or decides on the implementation to be used as well as the choice of technology.



Software Development Team

Team Leader (TL)





Software Development Team

Business Analyst (1/2)

- Examines the existing or ideal organization and design of systems including businesses, departments and organizations



Software Development Team

Business Analyst (2/2)

- May conduct a gap analysis
- Advises on areas that might be optimized or improved
- Begins to work out a project strategy



Software Development Team

Business Analyst





Software Development Team

Developer (1/3)

- Creates and implements a set of programs needed for the software.
- Programs are created based the agreed architecture and design by the team



Software Development Team

Developer (2/3)

- Creates strategies in the implementation of solutions at different levels of system abstraction and technology used.



Software Development Team

Developer (3/3)

- Known as Software Developer, Programmer, etc.



Software Development Team

Programmer (noun.)

A person who fixed a problem that you
don't know you have, in a way you
don't understand



Software Development Team

Developer





Software Development Team

Designer (1/2)

- **Responsible for the look and feel of the application based on the team feedback**



Software Development Team

Designer (2/2)

- Create mock ups for review by the team



Software Development Team

Designer





Software Development Team

Tester (1/2)

- Ensures that the application/software behaves properly on a combination of input and scenarios.



Software Development Team

Tester (2/2)

- **Provides test cases to mimic realistic usage of the software.**
- **Provides comments for improvements**



Software Development Team

Tester





Software Development Team

Sometimes, you would hear some of these terms:

- Full Stack Developer
- UX Designer
- SME



Software Development Team

Full Stack Developer

- Knowledgeable in various levels of implementation (i.e., business logic, server, network, interface)



Software Development Team

UX Designer

- Responsible for enhancing user experience and satisfaction through improved usability, aesthetics, accessibility, and performance of a piece of software



Software Development Team

SME

- Subject Matter Expert
- A person with in-depth knowledge from both a business and IT perspective that when shared with others, significantly enhances performance within the organization.

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Credits



Thanks!

Any **questions** ?

You can find me at

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Credits

Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by [SlidesCarnival](#)
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