CMSC 128 Introduction to Software Engineering 2nd Semester AY 2016 – 2017 03 – Software Development Team



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CMSC 128

Introduction to Software Engineering



CMSC 128 Introduction to SE

- Software Development Team
- References
- Credits

Software Development

Team



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



- Project ManagerDeveloper
- Team LeaderDesigner
- Business AnalystQuality

Assurance/Tester



CHALLENGE!

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

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



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



Project Manager (PM) (2/2)

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



Project Manager (PM)





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.



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.



Team Leader (TL)





Business Analyst (1/2)

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



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



Business Analyst





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



Developer (2/3)

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



Developer (3/3)

Known as Software Developer,Programmer, etc.



Programmer (noun.)

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



Developer





Designer (1/2)

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

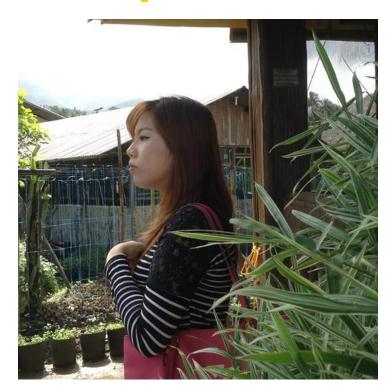


Designer (2/2)

 Create mock ups for review by the team



Designer





Tester (1/2)

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



Tester (2/2)

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



Tester





Sometimes, you would hear some of these terms:

- Full Stack Developer
- UX Designer
- SME



Full Stack Developer

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



UX Designer

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



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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3 — Credits



Thanks!

Any questions?

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

- Presentation template by <u>SlidesCarnival</u>
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