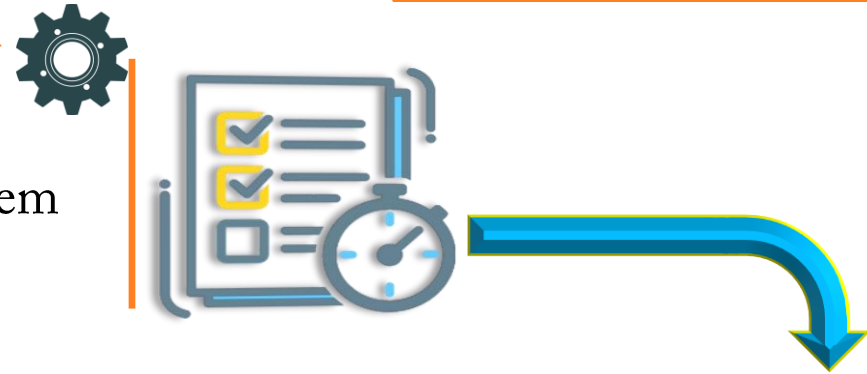# What is **SDLC**?

Process of creating software in the shortest time with the highest quality at a lower cost

Rose Usun Ajang (BB 17110620)
Rose Mary Robert (BB17110443)
Steffa Isle Gauhin (BB17110577)
Jasson Jack Jailani (BB17110633)
Thre Nor Afiza Binti Sawir (BB17110491)
Sharon David Gau (BB17110221)
Nurhayati Binti Mad Kampong (BB17110431)

Stages of SDLC

1 *Planning*

- Feasibility Assessment
- Process of identifying the need to developed a system
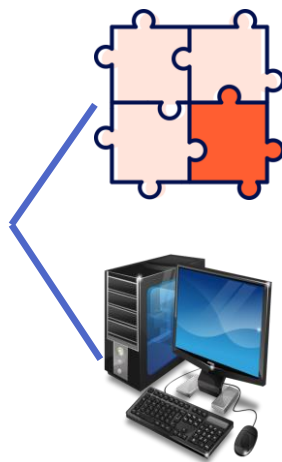- Decide the complexity of solution and problem

2 *Analysis*

- Detailed analysis to understanding business needs
- Process of identifying the need to developed a system
- The design system must be able to solve business requirement

3 *Design*

Design Phase divide into **Logical** and **Physical** Design

- Help to outline key business process and goals
- **can be operate in many ways following the terms of technology**
- it can make organization focusing more on the business process, policies and procedures instead of on technology
- Determine the hardware, software option including requirements
- Finding the right vendors to obtain system software

3 Choice : Do nothing, Change HR business process or Implement business process with new technology.

4 *Implementation*

- Test is done to ensure the system can function optimally
- implementation is a necessary step to turn a strategic plan into an action in achieving the goals of an organization

- This phase is also known as the spread level
- This level is done before sending software to production
- Iimplementation Strategies:
a) Conversion b) Immediate c) Gradual d) Pioneer

5 *Maintenance*

- help to ensure the organizations goals was achieved through monitoring the new implemented software system whether its functioning well
- Maintenance phase are crucial for this four main purposes: 1) Corrective Maintenance 2) Adaptive Maintenance 3) Perfective Maintenance 4) Preventative Maintenance

References

- Stackify. (2020, April, 07). What is SDLC? Understand the Software Development Life Cycle. Retrieved from stackify.com/what-is-sdlc/
- Rebecca Bernstein. (2017, March, 17). 5 System Develoment Life Cycle Phases. Retrieved from online.concordia.edu/computer-science/system-development-life-cycle-phases/
- Usha Rani, S. B. A. S. (2017). A detailed study of Software Development Life Cycle (SDLC) Models. International Journal of Engineering and Computer Science, 6(7).
- John G. Burch, Fritz H. Grupe. A System Approach to Software Maintenance. Retrieved from http://www.ittoday.info/AIMS/Information_Management/4-05-10.pdf