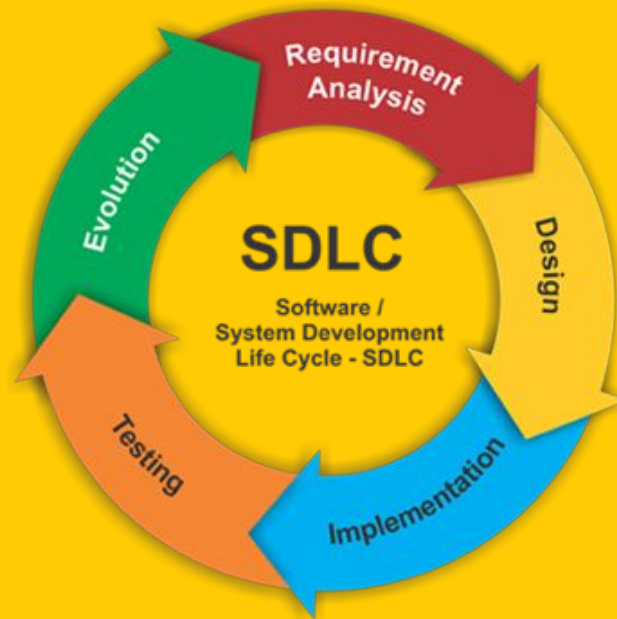


Software Development Life Cycle

Agenda

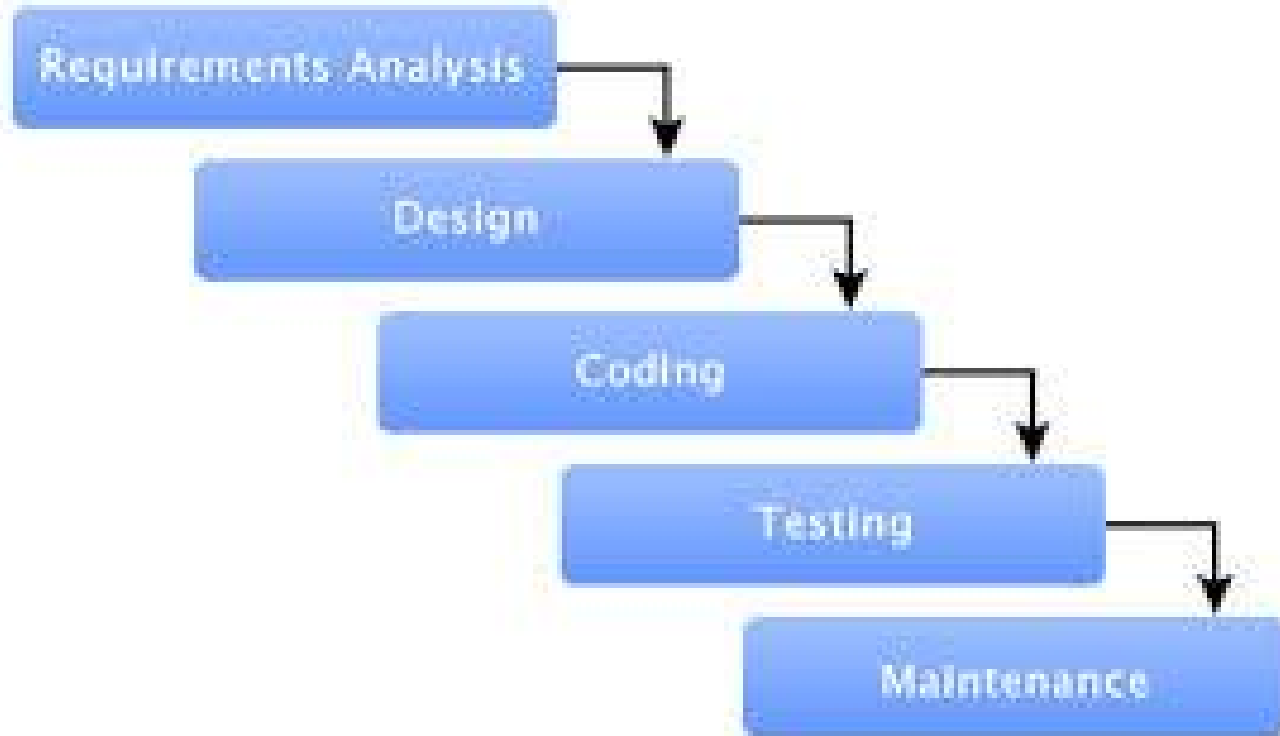
- What is SDLC
- SDLC Methodologies
- Project Planning Phases
- Wrap Up

What is the SDLC?



SDLC Methodologies

Waterfall Model



Agile Model



Project Planning Phases

Planning



Analysis



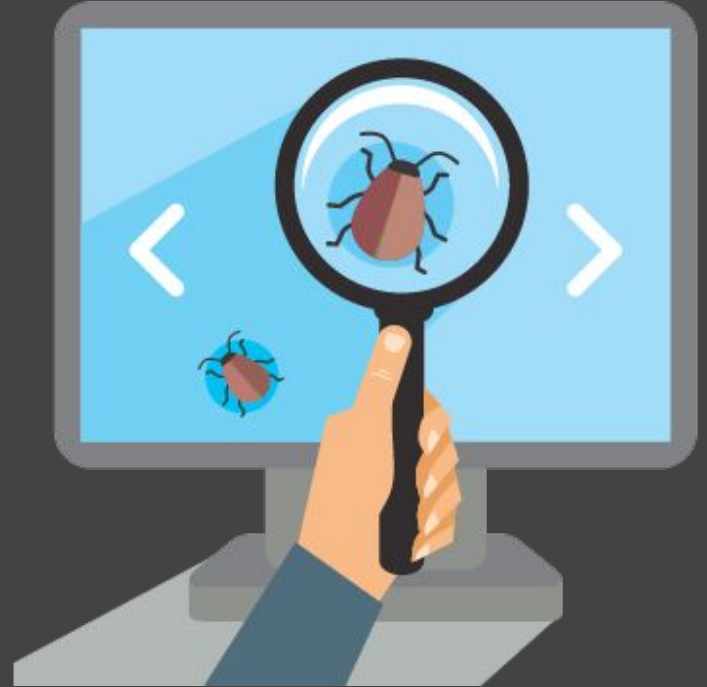
Design



Development



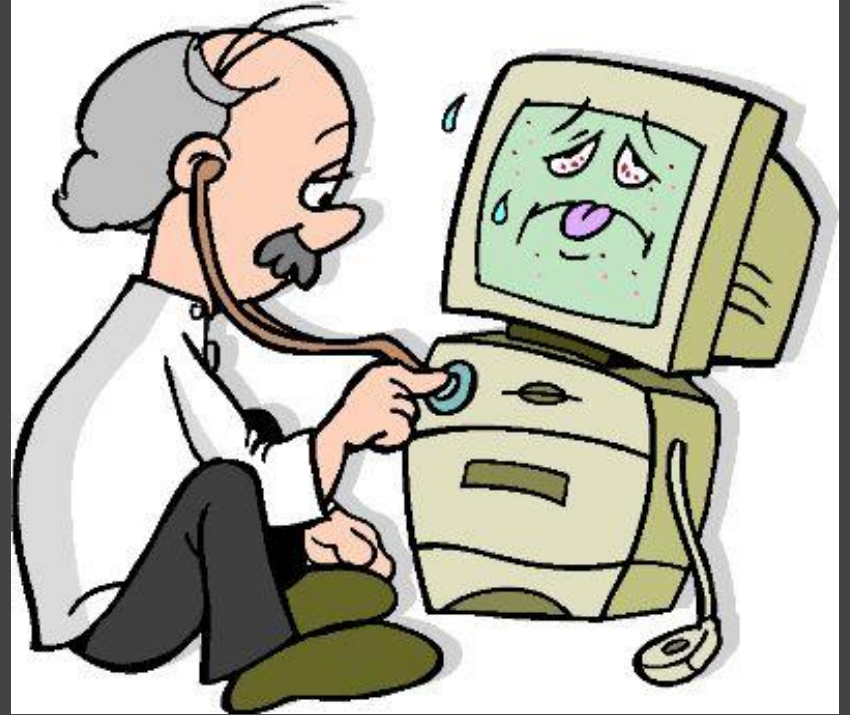
Testing



Implementation



Maintenance



Importance of Project Planning

Partner Discussion

Think of a long term project you've worked on.

- What are some of the roadblocks you might hit if there was no plan set up?
- What happens if you something doesn't go according to plan? What would you do?

Activity: Building a House



Instructions

- 1) Breakdown the steps of the Project Planning Phases on the whiteboard or large piece of paper into into columns.
- 2) Describe what would be done in each phase if you were building a house.

Sample Table

Investigate	Analyze	Design	Develop	Test	Documentation	Implementation	Maintenance

Investigate

- What kind of house is needed?
- How will the house be used (family, young couple, retired, young single)?
- How big is the plot of land?
- Does it have Gas, water electric?
- What rooms/levels are required?
- Likely cost to build the house
- Benefits of the House

Analyze

- Rooms
- Size of rooms
- Requirements in each rooms
- Type of building

Design

- House blueprint
- Materials needed
- What needs to be done in what order?

Testing

- Test wiring and electric
- Test plumbing
- Test heating
- Test appliances

Documentation

- Land registry documents
- Contracts

Implementation

- New owners move in

Maintenance

- Report any problems back to the builder
- Builder fixes problems

Discussion

- How does building a house directly relate to software development?
- What are the similarities?
- How would you go about designing a website for someone using a similar project planning method?

Wrap Up

We Covered:

- SDLC Definition
- SDLC Models
- Project Planning Phases

- Project Planning Value
- Activity

Thoughts and Questions?